



MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION

**INVITATION TO REGISTER INTEREST AND SUBMIT A DRAFT UNIVERSAL
SERVICE PLAN**

AS A

**UNIVERSAL SERVICE PROVIDER
UNDER THE COMMUNICATIONS AND MULTIMEDIA
(UNIVERSAL SERVICE PROVISION) REGULATIONS 2002, AS AMENDED**

**FOR THE INSTALLATION AND DEPLOYMENT OF NETWORK FACILITIES AND
NETWORK SERVICE FOR THE PROVISIONING OF BROADBAND ACCESS
SERVICE DELIVERY THROUGH SATELLITE CONNECTIVITY
AT THE UNIVERSAL SERVICE TARGETS
UNDER THE USP INITIATIVE**

Ref: MCMC/USPD/PDUD(01)/BROADBAND_2021/TC/03/2021(03)

Date: 15 March 2021

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ABBREVIATIONS

AC	-	Alternating Current
Act	-	Communications and Multimedia Act 1998
ASP(C)	-	Applications Service Provider Class Licensee
BOQ	-	Bill of Quantity
CAPEX	-	Capital Expenditure
DUSP	-	Designated Universal Service Provider
ID	-	Identification
LAT	-	Latitude
LONG	-	Longitude
NFP(I)	-	Network Facilities Provider Individual Licensee
NSP(I)	-	Network Service Provider Individual Licensee
OPEX	-	Operational Expenditure
Ref	-	Reference
SEB	-	Sarawak Energy Berhad
SESB	-	Sabah Electricity Sdn Bhd
TNB	-	Tenaga Nasional Berhad
USP	-	Universal Service Provision
USP Fund	-	Universal Service Provision Fund
UST	-	Universal Service Target
VSAT	-	Very Small Aperture Terminal

INTERPRETATION

Any terms or words used in this Invitation shall, unless expressly stated or if the context otherwise requires, have the same meaning as provided in the Act, all subsidiary legislation and instrument issued, made or given by the Minister or the Commission.

- a) “Approved Universal Service Plan” means a Draft Universal Service Plan that has been approved by the Commission as specified under regulation 8 of the USP Regulations.
- b) “Applications Service Provider Class Licensee” means a person who is registered with the Commission to provide an application service in accordance with the Act and Communications and Multimedia (Licensing) Regulations 2000, as amended.
- c) “Bill of Quantity or BOQ” means a customised document proposed by the Interested Licensee to the Commission in which materials, parts, equipment and cost of labour are itemised. The BOQ is to be priced in Ringgit Malaysia and shall be inclusive of any applicable tax imposed by the Government of Malaysia. The sum of the amount shown in the BOQ shall represent the total cost for each site in every cluster.
- d) “Broadband access infrastructure and its ancillaries” shall consist of passive infrastructure elements that are necessary to support the operations and provisioning of services such as the earth station, radiocommunications transmitters and links, site concrete base, concrete plinth, pole, basic grounding and earthing system, where applicable.
- e) “Broadband access services” means Internet access delivery to the end user at an average speed of 35Mbps in each UST specified in this Invitation.
- f) “Commission” means the Malaysian Communications and Multimedia Commission established under the Malaysian Communications and Multimedia Commission Act 1998 [(Act 589)].
- g) “Completion Date” means the date(s) on which the Designated Universal Service Provider has completed the scope of work(s) pursuant to the project milestones stipulated in the claim schedule in **Appendix 6** of this Invitation.

- h) “Completion Report” means a report to be compiled and maintained by the Designated Universal Service Provider on the date of declaration of the services going “on air¹” at a particular site, in the specified location to the Commission, for the whole tenure of the Project (as long as claims are made from the USP Fund).
- i) “Declaration” means a self-declaration made by the Chief Executive Officer or a person who holds an equivalent designation in the Designated Universal Service Provider that the scope of work for each stage as stipulated in the claim schedule in **Appendix 6** of this Invitation, has been delivered in accordance to the Approved Universal Service Plan and that all representations and information furnished to the Commission in the self-declaration are accurate and true.
- j) “Designated Universal Service Provider” means any Interested Licensee (as defined herein) designated by the Commission under regulation 9 of the USP Regulations pursuant to this Invitation.
- k) “Draft Universal Service Plan” means a draft of the Universal Service Plan submitted by a Licensee as specified under subregulation 6(2) of the USP Regulations.
- l) “Internet access service” means an applications service whereby a person is able to access Internet services and applications.
- m) “Interested Licensee” means any person who holds a valid NFP(I) licence, a NSP(I) licence and an ASP(C) licence respectively under the Act, meets the eligibility criteria set under subregulation 5(2) (ga) of the USP Regulations, and registers its interest to respond to this Invitation.
- n) “Licensee” means a person who holds an individual or class licence under the Act.
- o) “Network service equipment” consists of active infrastructure elements that are necessary to support the operations and provisioning of services such as the access point, low-noise block downconverter, encoder, decoder, modulator, low-noise amplifier, high power amplifier, rectifier system, battery backup, alarm intruder system, outdoor equipment cabinet, antenna system, and AC main distribution board system, where applicable.

¹ Service availability for the provisioning of broadband access services at the site

- p) “Notification of Approval” means a notification issued by the Commission to the Designated Universal Service Provider pursuant to regulation 9 of the USP Regulations.
- q) “Relevant authorities” includes, but is not limited to the Department of Orang Asli Development (JAKOA), the Fire and Rescue Department of Malaysia (BOMBA), the Civil Aviation Authority of Malaysia (CAAM), the power supply providers (for example SEB, SESB and TNB), the Department of Survey and Mapping Malaysia, the Forestry Department and local authorities.
- r) “Site” in the context of this Invitation means the location where the VSAT network facilities and network service equipment is installed as specified in **Appendix 1** of this Invitation, for the provisioning of broadband access services.
- s) “Sustainable energy” means the usage of sources of energy that are clean and renewable, with no or minimal adverse impact on the environment.
- t) “Universal Service Target or UST” means an underserved area and/or an underserved group within the community.
- u) “USP Regulations” means the Communications and Multimedia (Universal Service Provision) Regulations 2002.
- v) “Work” means the entire scope of work to be undertaken and completed by the Designated Universal Service Provider pursuant to the Approved Universal Service Plan and the Notification of Approval issued by the Commission.

SECTION I INTRODUCTION

1. BACKGROUND

- 1.1 This USP initiative is part of the Commission's efforts to plan and implement universal service provision in Malaysia, in accordance with the objectives as specified in subregulation 3(1) of the USP Regulations.
- 1.2 The Commission has pursuant to subregulation 4(1) of the USP Regulations, specified Universal Service Targets under Notification Ref. No: NT/USP/2/02, Ref. No: NT/USP/1/04, Ref. No: NT/USP/08/01, and Ref. No: NT/USP/01/11.
- 1.3 This Invitation is made pursuant to subregulations 3(1), 5(1), 5 (2) and 19(2) of the USP Regulations ("Invitation") to invite Interested and eligible Licensees to register their interest to be the universal service provider for the provisioning of broadband access services ("Project") for the locations specified in **Appendix 1** of this Invitation. No change of location(s) is permissible under this Invitation.
- 1.4 This Project is meant to specifically expand broadband coverage and address service provisioning requirements in areas which are very remote, have very low population density, and where fibre and terrestrial connectivity is not available and is challenging to deploy and sustain.
- 1.5 The provisioning of services here is meant as an interim solution (for a period of two years) for people at the underserved areas to have an expedient means of access to connectivity, given the COVID-19 pandemic and associated changes in the undertaking of socio-economic activities. This project is meant to provide data services to end-users as an interim measure, while a planning for a sustainable long-term measure if feasible is undertaken by the Commission.
- 1.6 The latitude(s) and longitude(s) provided in **Appendix 1** of this Invitation are meant to serve as reference points only to enable the Interested Licensee to identify the **said locations** in the relevant USTs [please see the column with the title '**Specified Location in the UST**' in the tables for each location in **Appendix 1**].

- 1.7 The Interested Licensee is required to propose to the Commission the best network design to serve the locations. As such, the Interested Licensee shall be required to optimise the network design and the installations for this purpose to be as cost effective as possible.
- 1.8 The locations identified are underserved areas in the Notification(s) published by the Commission, as stated in subparagraph 1.2 above.

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SECTION II DESCRIPTION OF SCOPE OF WORK

2. GENERAL DESCRIPTION OF THE FACILITIES AND SERVICES TO BE PROVIDED

2.1 The network facilities and network services to be provided under this Invitation are as follows:

2.1.1 To design, supply and install the relevant broadband access delivery infrastructure and its ancillary setup requirements for the provisioning of internet access service;

2.1.2 To design, supply, install, test, commission and operate network service equipment and services related to the provisioning of internet access service through Wi-Fi connectivity; and

2.1.3 The Interested Licensee shall develop and propose a fair usage policy and enforcement mechanism for the population at each location that benefits from this free Wi-Fi service. This proposal must be substantiated with data on the population numbers, usage patterns and population distribution.

3. SCOPE OF WORK

3.1 This scope of work describes the requirements, timeline, documents and reports for the Designated Universal Service Provider. The Interested Licensee shall understand, comply with and fulfil all obligations specified here.

A. Technical Specifications

3.2 In preparing a comprehensive technical proposal for this Project, the Interested Licensee shall study, undertake site surveys and site evaluations for the purposes of installing network facilities and deploying network services to cost effectively provide coverage at the specified locations(s) in the UST, by taking into consideration the population coverage and distribution at all locations.

3.3 The Interested Licensee shall be required to submit the following information in its Draft Universal Service Plan:

- 3.3.1 The exact latitude and longitude for each broadband access infrastructure and its ancillaries that is proposed to be deployed;
 - 3.3.2 The population coverage and distribution within the identified UST that will be served by the broadband access infrastructure and its ancillaries;
 - 3.3.3 The source of power supply to be utilised shall be through commercial power supply or any other energy sources. The Interested Licensee is strongly encouraged to utilise sustainable energy source(s); and
 - 3.3.4 Comprehensive information on the site(s) and what is required for service provisioning at the location(s), such as the distance to the access road, land title and ownership details, relevant local authority requirements, and site(s) accessibility information.
- 3.4 The Interested Licensee shall propose to the Commission the most optimal network design to provide coverage to the population (by specifically taking into consideration the population distribution) at all the locations, as specified in **Appendix 1** of this Invitation.
 - 3.5 The Interested Licensee shall customise the BOQ for each location in every cluster by offering cost effective, competitively priced, technologically and environmentally sustainable solutions that improve the efficiency of the investments made via the USP Fund. Customisation shall include, but be not necessarily limited to the structure type, antenna size, choice of building materials used, and the site layout, taking into consideration the population density, capacity and coverage requirements of a particular site, and the specifications provided in this Invitation.

B. Detailed Scope of Work

- 3.6 The Designated Universal Service Provider shall be responsible for, but not limited to the following:

No	Detailed scope of work
1.	Conduct actual site surveys and site evaluations for finalisation of all sites and specification(s).
2.	Site acquisition and completion of tenancy agreement with the relevant landowner(s) for all sites.
3.	Obtain all the necessary approvals from the local authority or other relevant authorities before commencing the Project.

No	Detailed scope of work
4.	Installation of broadband access delivery infrastructure and its ancillaries in accordance with the Approved Universal Service Plan.
5.	Application and installation of uninterrupted power supply including installation of necessary infrastructure (example poles and cables) to ensure availability of services at all times (twenty-four (24) hours per day, seven (7) days a week).
6.	The network and transmission shall be designed to support the required capacity for broadband access services.
7.	Installation of network service equipment.
8.	Testing and commissioning of the entire network.
9.	The Completion Report shall be submitted by the Designated Universal Service Provider upon request by the Commission. When a particular site is declared to be “on air”, the Designated Universal Service Provider shall furnish the Commission with a self-declaration signed by its Chief Executive Officer or a person who holds an equivalent designation in the Designated Universal Service Provider in the form and format as specified by the Commission, for the completion of work for every project milestone for CAPEX and OPEX, as shown in Appendix 6 of this Invitation.
10.	Undertake operations and maintenance for two (2) years (“Operational Period”) when a particular site is declared to be “on air”.

3.7 The Interested Licensee shall provide a detailed design for broadband access delivery that shall include, but is not necessary limited to the following:

3.7.1 Provisioning of internet access service solutions with an average speed of 35Mbps to the end user at each location;

3.7.2 Ensure that the bandwidth capacity dimensioning is sufficient for the usage of the population at the said location(s) for 24 hours per day, 7 days a week. The Interested Licensees shall be required to propose and implement a fair usage policy for the population at each location that benefits from this free Wi-Fi service in the draft plans, to ensure the continuous availability of internet access services;

3.7.3 Support specifications, protocols, and relevant services currently being used and offered by internet access service providers;

- 3.7.4 Ensure that the usage of the spectrum for the provisioning of internet access service through Wi-Fi connectivity and the use of spectrum for backhaul transmission is undertaken only after the issuance of the requisite the requisite Apparatus Assignment and/or Spectrum Assignment in accordance with the Act, the Communications and Multimedia (Spectrum) Regulations 2000 (“Spectrum Regulations”), the Spectrum Plan, the Standard Radio System Plan (“SRSP”) and any other relevant standards as and when issued by the Commission; and
- 3.7.5 Detailed description of the proposed solution which shall include the network diagram(s) for the backhaul transmission, control station(s), hub station(s) and the network monitoring system.
- 3.8 The Completion Report shall be submitted by the Designated Universal Service Provider upon request by the Commission. The Completion Report shall consist of the as built drawing(s) endorsed by a Professional Engineer (PE), soil investigation report(s) if relevant, cube test result(s), a copy of the relevant local authority approval and approvals from other related agencies, a copy of the tenancy agreement, the exact latitude and longitude for each site, technical site survey report, detailed backhaul information and relevant document(s), electrical and earthing system, power supply information, throughput test (open technology), coverage measurement and other relevant test(s) in accordance to the requirements stipulated in this Invitation, overall site photo(s) including equipment installed and a detailed BOQ for the relevant site.
- 3.9 The Designated Universal Service Provider shall provide uninterrupted permanent power supply from the power supply provider, i.e. SEB, SESB or TNB, which include installation of any necessary infrastructure to ensure availability of services at all times. In the event there is no permanent power supply, an alternative cost effective power supply must be installed to provide uninterrupted power supply and ensure availability of services at all times.
- 3.10 The Designated Universal Service Provider shall ensure continuous and uninterrupted internet access services for 24 hours per day, 7 days a week.
- 3.11 The Designated Universal Service Provider is required to submit all undertaking(s) or duly signed and stamped partnership agreements between the Designated Universal Service Provider and other applications service providers, for the provisioning of internet access service through Wi-Fi connectivity to end users. A certified true copy of the partnership agreements shall be furnished to the Commission within one hundred twenty (120) days from the commencement date of this Project.

- 3.12 The Designated Universal Service Provider shall make a written request to network facilities provider(s) and network service provider(s), to gain access to its network facilities or network service for the provisioning of internet access service through Wi-Fi connectivity to end users, where required.
- 3.13 Electronic equipment installation by the Designated Universal Service Provider shall be in accordance to the Approved Universal Service Plan.
- 3.14 The Designated Universal Service Provider shall be responsible to provide warranties and insurance for the items stipulated below:

Warranty

- a) The Designated Universal Service Provider shall be responsible to provide warranties for all the network facilities and network service equipment for the broadband access services for two (2) years from the date when a particular site is declared to be “on air” to the Commission, by the Designated Universal Service Provider.

Insurance

- b) The Designated Universal Service Provider is required to take the necessary measures to plan for contingencies at its own cost, such as the purchase and maintenance of all relevant insurances (including, but not limited to insuring all assets, and having adequate public liability insurance coverage).
- c) The relevant insurances must also be procured and maintained at all times by the Designated Universal Service Provider, both during implementation and subsequent to the completion of this Project. Failure on the part of the Designated Universal Service Provider to comply with this requirement shall result in the Designated Universal Service Provider being solely responsible for any liabilities and/or losses that may arise. The insurances taken must be comprehensive and provide adequate and sufficient coverage.
- 3.15 The Designated Universal Service Provider shall immediately repair or replace any faulty items during the warranty period. Thereafter, it shall be the responsibility of the Designated Universal Service Provider to manage and maintain all equipment at the sites.
- 3.16 In the event of vandalism, the Designated Universal Service Provider shall be responsible to rectify and/or replace all affected equipment at the sites.

C. Project Timeline

- 3.17 The maximum implementation period shall not exceed **four (4) months** from the commencement date issued by the Commission.
- 3.18 The Interested Licensee shall propose a detailed implementation timeline in its Draft Universal Service Plan outlining when the requisite implementation activities shall be completed in accordance to the scope of work. This will be the basis for the Commission to monitor the progress of work for this Project.

D. Report to the Commission

Project Implementation

- 3.19 During the Project implementation timeline, pursuant to regulation 13 of the USP Regulations, the Designated Universal Service Provider shall submit a report on the progress of the implementation of the Approved Universal Service Plan on a **weekly basis** to the Head of the Universal Service Provision Division ("USP Division"). The weekly report shall be furnished in the form and format specified by the Commission.

Operational Period

- 3.20 The Designated Universal Service Provider shall be responsible to provide operations and maintenance for two (2) years from the date when a particular site is declared to be "on air" ("Operational Period"), which includes:
- 3.20.1 Submit a report on the progress of the Operational Period on a **monthly basis** to the Head of USP Division in the form and format specified by the Commission; and
- 3.20.2 The Designated Universal Service Provider is required to submit an audited income and expense statement for the Project based on the International Standards on Auditing (ISA), on a yearly basis, within ninety (90) days from 31 December in every calendar year, for the entire Operational Period of five (5) years, to the Head of the USP Division for each site. The information shall include, but is not limited, to the following:
- a) Number of subscribers for each location;
 - b) Data usage/traffic information for each location; and
 - c) Detailed operational costs incurred for each location for service provisioning.

E. Ownership of the network facilities and network services

- 3.21 Pursuant to paragraph 18 of the Commission Determination on Universal Service Provision (Determination No. 6 of 2002), the ownership of network facilities and the network service equipment at the site vests with the Designated Universal Service Provider from the commencement of this Project, unless the designation as the Designated Universal Service Provider of the Project is revoked by the Commission pursuant to the USP Regulations.
- 3.22 The Designated Universal Service Provider shall hold valid NFP(I) and NSP(I) licences issued under the Act during the entire tenure of the Project (i.e. the Project Implementation and Operational Period as defined in the Invitation).
- 3.23 For the avoidance of doubt, the Commission shall revoke the designation of the Designated Universal Service Provider, in the event the Designated Universal Service Provider no longer holds the requisite licence(s) at any time during the tenure of the Project.

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SECTION III

REGISTRATION OF INTEREST AND SUBMISSION OF DRAFT UNIVERSAL SERVICE PLAN

4. REGISTRATION OF INTEREST REQUIREMENTS

4.1 The Interested Licensee which wishes to register its interest to become the Designated Universal Service Provider pursuant to this Invitation shall hold the requisite licences with a minimum validity of six (6) months from the closing date, as stated in this Invitation (or has submitted its licence renewal application pursuant to section 34 of the Act to the Commission) to enable it to carry out the scope of work under this Invitation. The Interested Licensees must also fulfil the following criteria:

4.1.1 The Interested Licensee is required to hold:

- a) Valid NFP(I) and NSP(I) licences issued under the Act. The NFP(I) licence held by the Interested Licensee must allow the holder of the licence to own or provide ALL of the following network facilities under regulation 19 of the Communications and Multimedia (Licensing) Regulations 2000, as amended:
 - i. Earth stations;
 - ii. Radiocommunications transmitters and links;
 - iii. Satellite hubs; and
 - iv. Towers, poles, ducts and pits to be used in conjunction with other network facilities.
- b) Valid ASP(C) licence issued under the Act. Alternatively, the Interested Licensee must be able to provide evidential substantiation of a partnership arrangement with an existing ASP(C) licensee that is licensed to provide internet access services to end users. This evidence must be submitted together with the draft plan submission.
- c) Other requirements:
 - i. The licensed area specified under both the NFP(I) licence shall be “Malaysia”;
 - ii. There shall be no last mile limitation specified in the NFP(I) licence; and
 - iii. The earth stations and satellite hubs must be located within the territorial limits of Malaysia.

4.1.2 The Interested Licensee shall meet the following eligibility requirements:

- a) Minimum two (2) years' experience in the installation of network facilities and/or the deployment of network services for the provisioning of broadband access services via satellite connectivity (data only);
- b) Have existing and extensive core networks to support the provisioning of broadband access service via satellite;
- c) Not owe any outstanding fees (licence, spectrum assignment and/or numbering assignment) to the Commission;
- d) Has duly submitted its Return of Net Revenue (RONR) forms to the Commission for each year without fail; and
- e) Has no outstanding USP Fund contribution².

Conduct of the Interested Licensee(s)

4.2 Interested Licensees are prohibited from directly or indirectly (via the use of third parties) attempting to improperly influence the outcome of this tender exercise by way of any written or oral communication(s) in any form. Examples of such conduct include, but are not limited to writing emails or letters, or furnishing letters of support from third parties.

4.3 The outcome of this tender exercise shall be based solely on the assessment criteria established for this purpose, and approved by the Commission, in accordance with the Act and the USP Regulations.

Disqualification of Interested Licensee(s)

4.4 The Commission shall have the right to disqualify the submission of the Interested Licensee, which has failed to comply with the requirements stated in subparagraph 4.1 and 4.2 above. In addition, the conduct described in paragraph 4.2 above can result in further action being taken against the parties concerned.

4.5 The Interested Licensee shall register its interest with the Commission by completing the form enclosed in **Appendix 2** of this Invitation i.e. the Registration of Interest Form.

² This is applicable for the licensees which are legally obliged to contribute to the USP Fund, whose total net revenue for the previous calendar year meets the minimum revenue threshold of RM2 million from the licensable activity

4.6 For the avoidance of the doubt, the Commission will not accept any Registration of Interest for part of a cluster, or any combination of clusters which includes two or more parts of different clusters. The Interested Licensee may register its interest for:

4.6.1 Any one cluster in its entirety; or

4.6.2 All clusters in entirety.

4.7 The submission of the duly completed Registration of Interest Form shall be made in accordance with subparagraph 7.1 of this Invitation.

5. SUBMISSION OF DRAFT UNIVERSAL SERVICE PLAN

5.1 The Interested Licensee shall submit a single document in a separate sealed envelope marked as "LICENSEE'S INFORMATION", which shall consist of the following:

5.1.1 Cover letter signed by the Chief Executive Officer or a person who holds an equivalent designation in the Interested Licensee; and

5.1.2 Information of the Interested Licensee and other essential documents as detailed out in **Appendix 3** of this Invitation.

5.2 The Interested Licensee shall submit the Draft Universal Service Plan, in separate binding for each cluster as specified in **Appendix 1** of this Invitation. The Draft Universal Service Plan submitted for each cluster(s) bid shall be divided into two (2) separate documents as follows:

5.2.1 Technical Proposal; and

5.2.2 Financial Proposal.

5.3 For the avoidance of the doubt, the Commission will not accept submission of Draft Universal Service Plan(s) for part of a cluster, or any combination of clusters which includes two or more parts of different clusters.

- 5.4 The Draft Universal Service Plan mentioned in subparagraph 5.1 above, shall be submitted and marked as follows:
- 5.4.1 One (1) hard copy submission to be marked “ORIGINAL”;
- 5.4.2 One (1) hard copy of the above submission to be marked “COPY”; and
- 5.4.3 **All pages of the “ORIGINAL” Financial Proposal of the Draft Universal Service Plan shall be duly initialled and affixed with a rubber stamp of the Interested Licensee.**
- 5.5 In the event of discrepancies, the document marked “ORIGINAL” shall prevail.
- 5.6 Pages for the Draft Universal Service Plan shall be numbered in the following format: (page number) of (total number of pages).
- 5.7 The submission of the Draft Universal Service Plan shall be enclosed in a separate sealed envelope(s) and super scribed as follows:
- 5.7.1 This Invitation’s reference **(INVITATION REF. NO.: MCMC/USPD/PDUD(01)/BROADBAND_2021/TC/03/2021(03))** at the top left hand corner of the envelope(s);
- 5.7.2 The description “SUBMISSION OF DRAFT UNIVERSAL SERVICE PLAN – (Cluster No. #) ” at the central position of the envelope(s);
- 5.7.3 The description “TECHNICAL PROPOSAL: (Cluster No.#)” or “FINANCIAL PROPOSAL: (Cluster No.#)”;
- 5.7.4 “SUBMITTED BY: (Name of Interested Licensee)” at the central bottom position of the envelope(s); and
- 5.7.5 In addition to the hardcopy, digital copies of the technical proposals and financial proposals shall be submitted in compact discs or thumb drives. The digital copy shall be in PDF format.
- 5.8 **The Interested Licensee is prohibited from displaying or including its name in the Technical Proposal. Failure to comply with this requirement may result in the disqualification of the Interested Licensee’s submission.**
- 5.9 All documents mentioned above, including any appendices annexed thereto, shall be taken as being mutually explanatory of each other.

- 5.10 The Interested Licensee shall be deemed to have examined and understood all information and documents set out in this Invitation.
- 5.11 All costs and expenses associated with and necessary for the preparation and submission of the Draft Universal Service Plan shall be borne by the Interested Licensee.
- 5.12 All corrections, changes, alterations and/or any other amendments whatsoever made in the Draft Universal Service Plan shall be initialled and affixed with the Interested Licensee's company stamp.
- 5.13 All documents, which form part of the Draft Universal Service Plan(s) shall be properly and securely bound.
- 5.14 Handbooks and any other literature, if any, shall be bound in separate covers.

6. SCOPE OF THE DRAFT UNIVERSAL SERVICE PLAN

- 6.1 The Draft Universal Service Plan to be submitted by the Interested Licensee shall contain information as specified in **Appendix 4** and **Appendix 5** of this Invitation.

7. CLOSING DATE

A. Registration of Interest

- 7.1 All Interested Licensees shall submit the duly completed Registration of Interest Form in scanned PDF copy format as enclosed in **Appendix 2** of this Invitation **on or before 12:00pm, 23 March 2021**, via email at bwa.roi@mcmc.gov.my.
- 7.2 The Interested Licensees shall make available the original Registration of Interest form, in hardcopy to the Commission, if required.
- 7.3 Proof of submission shall take the form of the issuance of an automatic acknowledgment email receipt to the sender from the same email address.
- 7.4 The Commission shall **NOT ACCEPT** any submission of the Registration of Interest form made by way of physical copy, fax, mail and/or any other means.

- 7.5 In the event that an Interested Licensee submits multiple forms for the Registration of Interest, the Interested Licensee shall be disqualified from participation in this Invitation.

B. Draft Universal Service Plan

- 7.6 An Interested Licensee shall submit the duly completed Draft Universal Service Plan **on or before 12:00pm, 15 April 2021** at:

**Malaysian Communications and Multimedia Commission
MCMC Centre of Excellence (CoE), Off Persiaran Multimedia
63000 Cyberjaya, Selangor
(Attention: Tender Secretariat)**

- 7.7 **In the event of travel restrictions imposed due to the Movement Control Order, the Commission will issue a public notice to advise all Interested Licensees which have submitted their Registration of Interest, on the locations where the Draft Universal Service Plan submissions are to be made.**

- 7.8 The Commission shall **NOT ACCEPT** any submission of Draft Universal Service Plan made by way of email, fax, mail and/or any other means.
- 7.9 Any submission of the Registration of Interest Form and/or Draft Universal Service Plan, including any amendments made thereto, received after the stipulated closing date and time, shall be rejected. In this respect, the Interested Licensee's proof of postage or other evidence of transmission shall not be accepted as a proof of receipt by the Commission.

8. MATTERS FOR CONSIDERATION IN APPROVING THE DRAFT UNIVERSAL SERVICE PLAN

- 8.1 The Commission will consider the matters specified in regulation 7 of the USP Regulations and all information included in the Draft Universal Service Plan in deciding whether or not to approve the Draft Universal Service Plan.

SECTION IV PAYMENT FROM THE USP FUND

9. CLAIMS FOR PAYMENT

- 9.1 The Designated Universal Service Provider is entitled to claim the costs undertaken i.e. CAPEX and OPEX in respect of this Project pursuant to subregulation 19(2) of the USP Regulations.
- 9.2 Details of the payment schedule, timeline, terms and conditions, and forms and format to submit the claims will be specified in the Notification of Approval issued to the Designated Universal Service Provider. The claim schedule for the Designated Universal Service Provider is specified in **Appendix 6** of this Invitation.

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SECTION V GENERAL TERMS & CONDITIONS

10. QUALITY OF SERVICE

- 10.1 The Designated Universal Provider shall ensure that the design and configuration of the network facilities, equipment and broadband access services provided to end users meet the relevant standards stipulated in the Notification of Approval(s), mandatory standards, consumer codes or other regulatory instruments for quality of services issued under the Act at all times during service provisioning to end users.
- 10.2 Any upgrading throughout the Operational Period to fulfil the above requirements shall be borne by the Designated Universal Service Provider at no additional cost to the Commission.
- 10.3 Notwithstanding subparagraph 10.1 above, the average speed for services provided pursuant to this Project at each location shall be 35Mbps.

11. TECHNICAL COMPLIANCE

- 11.1 The Designated Universal Service Provider shall be solely responsible for the correct design and configuration of the network facilities, equipment and services offered as per the submitted Draft Universal Service Plan.
- 11.2 If subsequent modifications or changes are necessary for the network facilities, equipment and services to function in accordance with the specifications, the Designated Universal Service Provider shall bear the additional cost involved in modifying the equipment and no such claims from the USP Fund shall be allowed.

12. SUPPLIED MATERIALS AND EQUIPMENT

- 12.1 All items to be used in the provision of universal service by the Designated Universal Service Provider in the UST shall be fit for the purpose which such items are intended and be free from defects arising out of faulty design, faulty and inferior material or faulty workmanship.
- 12.2 All items supplied shall be genuine, newly manufactured/factory fresh (i.e. not second hand, reconditioned and/or used items).

- 12.3 All equipment proposed must comply with the Malaysian Standards type approval.

13. APPROVAL FROM RELEVANT AUTHORITIES

- 13.1 The Designated Universal Service Provider shall be responsible to obtain the necessary approvals from the state authority, local authority, electrical authority and/or all other relevant authorities before the commencement of Work.
- 13.2 The Designated Universal Service Provider shall be solely responsible for any failure to obtain the necessary approvals including any additional costs to comply with the said authority's requirements.
- 13.3 The Designated Universal Service Provider will be responsible for any additional costs incurred to ensure infrastructure and services continue to be available in the event a change of site location is required as a result of the Designated Universal Service Provider's non-compliance to the said authority's requirements.

14. INSPECTION AND AUDIT

- 14.1 The Commission and/or appointed third party agent(s) shall have the right to inspect and verify that all obligations due from the Designated Universal Service Provider are fully complied with. The inspection and verification of the universal services provisioning may include:

14.1.1 Technical Audits

Conducting a physical inspection at the site to verify that the items and services are delivered according to the quantities, timelines and specifications as contained in the Approved Universal Service Plan.

14.1.2 Commercial Audits

Verifying all relevant supporting documents submitted by the Designated Universal Service Provider in its claims for net universal service costs.

15. SAFETY

15.1 The Designated Universal Service Provider shall:

15.1.1 Be responsible to ensure the safety of the sites, its employees and employees of its agents and/or vendors working at the sites at all times;

15.1.2 Enforce and take all reasonable steps to ensure compliance of all safety measures for workmen, contractors and all other persons at the site as stipulated in all relevant safety-at-work legislation and regulations; and

15.1.3 Indemnify and keep indemnified, protect and defend at its own cost and expense, the Commission and its authorised officers from and against all actions, claims and liabilities arising out of acts done, omission or breach of any conditions in this Invitation by the Designated Universal Service Provider, its employees or its agents.

15.2 The Designated Universal Service Provider shall be responsible for ensuring the structural integrity of the towers and its ancillaries at all times, and ensure compliance with all relevant laws and guidelines.

16. EXTENSION OF TIME

16.1 An extension of time may be given to the Designated Universal Service Provider solely at the discretion of the Commission, upon a written request by the Designated Universal Service Provider. An extension of time will generally be considered only due to force majeure as provided in subparagraph 19 of this Invitation,

PROVIDED ALWAYS that the Designated Universal Service Provider has taken all reasonable steps to avoid or reduce such delay and shall do all that may be reasonably required to proceed with the Work; and

PROVIDED THAT all such delays are not due to any negligence, default or breach of the terms and conditions in the Notification of Approval by the Designated Universal Service Provider.

17. EFFECT OF FORCE MAJEURE

17.1 An “Event of Force Majeure” is an event beyond the control of the Designated Universal Service provider, which results in the delay in the implementation timeline of this Invitation, which are:

17.1.1 War (whether declared or not), hostilities, invasion, act of foreign enemies;

17.1.2 Insurrection, revolution, rebellion, military, or usurped power, civil war, terrorism;

17.1.3 Natural catastrophe including but not limited to earthquakes, floods, subterranean spontaneous combustion or any operation of the forces of nature against which an experienced contractor could not reasonably have been expected to take precautions;

17.1.4 Nuclear explosion, radioactive or chemical contamination or radiation (unless caused by the negligence act, omission or default of the workmen, contractors and all other persons at all times during the execution of the Work);

17.1.5 Pressure waves caused by aircraft or other devices travelling at sonic or supersonic speeds; and

17.1.6 Riot, commotion or disorder, unless solely restricted to employees of the workmen, contractors and all other persons for the execution of the Work.

18. PERFORMANCE BOND

18.1 The Designated Universal Service Provider is required to submit a performance bond in the form of a Bank Guarantee issued by a local licensed financial institution under the Financial Services Act 2013 (“Performance Bond”) prior to the implementation of the Project.

18.2 The Performance Bond shall be twenty percent (20%) of the approved total cost of the Project. The Designated Universal Service Provider shall ensure that the Performance Bond is always maintained at the value of 20% of the total approved cost of the Project.

- 18.3 The Performance Bond shall be kept valid from the commencement date of the Project until the expiry of 12 months, from the date of Declaration of the site being “on air” and the service being available for use by the end-user(s) is received by the Commission.
- 18.4 Should the Designated Universal Service Provider require an extension of time to complete the Project, it shall be the responsibility of the Designated Universal Service Provider to renew the Performance Bond at least three (3) months prior to the expiry of the said Performance Bond.
- 18.5 In the event that the Designated Universal Service Provider is revoked pursuant to the USP Regulations, the said Performance Bond or any balance thereof shall be forfeited.

19. CLARIFICATION AND ENQUIRIES

- 19.1 It is inevitable that some matters may have to be clarified following the evaluation of the submission and during the early stages of installation of the equipment. In this respect, the Commission reserves the right to issue written clarifications on the specifications where necessary, to stipulate any requirements more clearly.
- 19.2 By registering its interest and submitting its Draft Universal Service Plan, the Interested Licensee is deemed to consent to the use of any of the information in the Draft Universal Service Plan or part thereof by the Commission for any purpose whatsoever.
- 19.3 Should there be a need to seek clarification and additional information regarding this Invitation, all enquiries shall be directed to Secretary of the Tender Committee via email at tender@mcmc.gov.my.
- 19.4 All relevant enquiries pertaining to this Invitation should reach the Commission on or before **12:00pm, 25 March 2021**.

20. OMISSIONS OR ERRORS

- 20.1 The Designated Universal Service Provider is advised to study all terms, conditions and specifications in this Invitation very carefully, make all necessary site surveys and seek necessary clarification before finalising its Draft Universal Service Plan under the USP Regulations.

- 20.2 The Designated Universal Service Provider shall be solely responsible for all such omissions/errors without any additional costs being chargeable to the Commission. The Commission reserves the right not to entertain any request for variation of price(s) or submission of additional quotes for items left out in the original Draft Universal Service Plan on the grounds of lack of knowledge and oversight.

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APPENDIX 1 – LIST OF LOCATIONS

Cluster C01: Perak, Selangor, Negeri Sembilan and Johor

State: Perak (1 of 4)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
1	BWA_001	KOA Sg. Erong	3.7841	101.2224	BAGAN DATUK	HUTAN MELINTANG
2	BWA_002	KOA Bt. 15 ½	4.3341	101.3342	BATANG PADANG	BATANG PADANG
3	BWA_003	KOA Bt. 14 ½	4.3226	101.3274	BATANG PADANG	BATANG PADANG
4	BWA_004	KOA Bt. 14	4.3167	101.3314	BATANG PADANG	BATANG PADANG
5	BWA_005	KOA Bt. 13 ½	4.3133	101.3312	BATANG PADANG	BATANG PADANG
6	BWA_006	KOA Wo'h Intake	4.2421	101.3867	BATANG PADANG	BATANG PADANG
7	BWA_007	KOA Lubuk Gaharu	4.2467	101.3900	BATANG PADANG	BATANG PADANG
8	BWA_008	KOA Ulu Wo'h (Lubuk Petai)	4.2178	101.3690	BATANG PADANG	BATANG PADANG
9	BWA_009	KOA Musuh Lz	4.2651	101.4033	BATANG PADANG	BATANG PADANG
10	BWA_010	KOA Chang	4.1705	101.3770	BATANG PADANG	BIDOR
11	BWA_011	KOA Chang (1)	4.1700	101.3800	BATANG PADANG	BIDOR
12	BWA_012	KOA Menderang 1 (1)	4.1475	101.4145	BATANG PADANG	BIDOR
13	BWA_013	KOA Bt. 19	4.2251	101.2009	BATANG PADANG	CHENDERANG
14	BWA_014	KOA Bt. 19 (1)	4.2242	101.2012	BATANG PADANG	CHENDERANG
15	BWA_015	KOA Sg. Bilik	4.2817	101.2232	BATANG PADANG	CHENDERANG
16	BWA_016	KOA Kuala Bil	3.7617	101.3104	BATANG PADANG	HULU BERNAM BARAT
17	BWA_017	KOA Bakong	3.9344	101.5052	BATANG PADANG	SLIM
18	BWA_018	KOA Penderas	4.0690	101.5389	BATANG PADANG	SLIM
19	BWA_019	KOA Changkat Ramu	4.0758	101.5449	BATANG PADANG	SLIM
20	BWA_020	KOA Kehem	4.0804	101.5417	BATANG PADANG	SLIM

Cluster C01: Perak, Selangor, Negeri Sembilan and Johor

State: Perak (2 of 4)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
21	BWA_021	KOA Keding	4.0046	101.5091	BATANG PADANG	SLIM
22	BWA_022	KOA Bersih	3.9372	101.5122	BATANG PADANG	SLIM
23	BWA_023	KOA Bersih (1)	3.9360	101.5110	BATANG PADANG	SLIM
24	BWA_024	KOA Tisen	4.0715	101.5419	BATANG PADANG	SLIM
25	BWA_025	KOA Menderang 1	4.0474	101.4146	BATANG PADANG	SUNGKAI
26	BWA_026	KOA Sg. Cawang	3.8728	101.2126	HILIR PERAK	DURIAN SEBATANG
27	BWA_027	Kg. Sg. Tiang, RPS Air Banun	5.6936	101.4443	HULU PERAK	HULU PERAK
28	BWA_028	Kg. Sg. Tiang, RPS Air Banun (1)	5.6920	101.4450	HULU PERAK	HULU PERAK
29	BWA_029	Kg. Sg. Kejar, RPS Air Banun	5.7915	101.4080	HULU PERAK	HULU PERAK
30	BWA_030	Kg. Jerai, RPS Air Banun	5.8018	101.4175	HULU PERAK	HULU PERAK
31	BWA_031	Kg. Tahing, RPS Air Banun	5.7480	101.3910	HULU PERAK	HULU PERAK
32	BWA_032	Kg. Klewang, RPS Air Banun	5.6808	101.4095	HULU PERAK	HULU PERAK
33	BWA_033	Kg. Sg. Papan	5.3619	101.1646	HULU PERAK	HULU PERAK
34	BWA_034	Kg. Lubuk Chupak	5.1402	101.0671	HULU PERAK	HULU PERAK
35	BWA_035	KOA Kabu Pos Poi	5.0879	101.1780	HULU PERAK	HULU PERAK
36	BWA_036	KOA Sanum Pos Poi	5.0999	101.1888	HULU PERAK	HULU PERAK
37	BWA_037	KOA Terhem Pos Poi	5.0816	101.1763	HULU PERAK	HULU PERAK
38	BWA_038	KOA Lalang Pos Poi	5.0966	101.1917	HULU PERAK	HULU PERAK
39	BWA_039	Kg. Semelor, RPS Air Banun	5.5279	101.4325	HULU PERAK	HULU PERAK
40	BWA_040	Kg. Sg. Tebang, RPS Air Banun	5.4332	101.4307	HULU PERAK	HULU PERAK

Cluster C01: Perak, Selangor, Negeri Sembilan and Johor

State: Perak (3 of 4)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
41	BWA_041	Kg. Sg. Chiong, RPS Air Banun (1)	5.4361	101.4276	HULU PERAK	HULU PERAK
42	BWA_042	Kg. Pulau Tujuh, RPS Air Banun	5.5190	101.4381	HULU PERAK	HULU PERAK
43	BWA_043	Kg. Sg. Chuweh, RPS Air Banun	5.4598	101.4002	HULU PERAK	HULU PERAK
44	BWA_044	Kg. Charok Bus, RPS Air Banun	5.4437	101.4291	HULU PERAK	HULU PERAK
45	BWA_045	Kg. Selaor, RPS Air Banun	5.5647	101.6110	HULU PERAK	HULU PERAK
46	BWA_046	KOA Makmor	4.6913	101.2132	KINTA	HULU KINTA
47	BWA_047	KOA Makmor (1)	4.6920	101.2142	KINTA	HULU KINTA
48	BWA_048	KOA Kerawat	4.5701	101.2120	KINTA	SUNGAI RAYA
49	BWA_049	KOA Kerawat (1)	4.5722	101.2110	KINTA	SUNGAI RAYA
50	BWA_050	KOA Lalang	4.5725	101.2267	KINTA	SUNGAI RAYA
51	BWA_051	KOA Lalang (1)	4.5710	101.2280	KINTA	SUNGAI RAYA
52	BWA_052	Pusat Kecemerlangan Pendidikan Orang Asli (PKPOA)	4.5678	101.2110	KINTA	SUNGAI RAYA
53	BWA_053	KOA Kajang	4.9782	101.1786	KUALA KANGSAR	PULAU KAMIRI
54	BWA_054	KOA Kajang (1)	4.9771	101.1776	KUALA KANGSAR	PULAU KAMIRI
55	BWA_055	KOA Temakah RPS Legap	4.9705	101.2334	KUALA KANGSAR	PULAU KAMIRI
56	BWA_056	KOA Keab RPS Legap	4.9397	101.2847	KUALA KANGSAR	PULAU KAMIRI
57	BWA_057	KOA Chenglek Pos Perwor	5.0148	101.2669	KUALA KANGSAR	PULAU KAMIRI
58	BWA_058	KOA Takong Pos Perwor	5.0173	101.2672	KUALA KANGSAR	PULAU KAMIRI
59	BWA_059	KOA Takong Pos Perwor (1)	5.0181	101.2666	KUALA KANGSAR	PULAU KAMIRI
60	BWA_060	KOA Perjek	4.9552	101.2546	KUALA KANGSAR	PULAU KAMIRI

Cluster C01: Perak, Selangor, Negeri Sembilan and Johor

State: Perak (4 of 4)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
61	BWA_061	KOA Balang	4.5859	100.9716	KUALA KANGSAR	SENGGANG
62	BWA_062	KOA Balang (1)	4.5861	100.9721	KUALA KANGSAR	SENGGANG
63	BWA_063	KOA Pisang	4.8749	101.2230	KUALA KANGSAR	SUNGAI SIPUT
64	BWA_064	KOA Kelah	4.8265	101.2035	KUALA KANGSAR	SUNGAI SIPUT
65	BWA_065	KOA Larek	4.8188	101.2165	KUALA KANGSAR	SUNGAI SIPUT
66	BWA_066	KOA Lawai	4.7975	101.3423	KUALA KANGSAR	SUNGAI SIPUT
67	BWA_067	KOA Sg. Pelanduk 1	4.7930	101.1731	KUALA KANGSAR	SUNGAI SIPUT
68	BWA_068	KOA Sg. Pelanduk 1 (1)	4.7941	101.1733	KUALA KANGSAR	SUNGAI SIPUT
69	BWA_069	KOA Chengkei	4.8657	101.2094	KUALA KANGSAR	SUNGAI SIPUT
70	BWA_070	KOA Beswok	4.8910	101.3800	KUALA KANGSAR	SUNGAI SIPUT
71	BWA_071	KOA Bersah	4.8425	101.3285	KUALA KANGSAR	SUNGAI SIPUT
72	BWA_072	KOA Kotai	4.9086	101.3512	KUALA KANGSAR	SUNGAI SIPUT
73	BWA_073	KOA Perjek (1)	4.9542	101.2532	KUALA KANGSAR	SUNGAI SIPUT

Cluster C01: Perak, Selangor, Negeri Sembilan and Johor

State: Selangor (1 of 1)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
74	BWA_074	KOA Songkok	3.4327	101.7189	HULU SELANGOR	HULU SELANGOR
75	BWA_075	KOA Kuala Kerling	3.5390	101.5723	HULU SELANGOR	HULU SELANGOR
76	BWA_076	KOA Serigala	3.6828	101.4647	HULU SELANGOR	HULU SELANGOR
77	BWA_077	KOA Pulau Kempas	2.8721	101.5900	KUALA LANGAT	KUALA LANGAT
78	BWA_078	KOA Pulau Kempas (1)	2.8711	101.5878	KUALA LANGAT	KUALA LANGAT

State: Negeri Sembilan (1 of 1)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
79	BWA_079	KOA Bertam	3.1441	102.0306	JELEBU	KENABOI
80	BWA_080	KOA Ulu Lakai	3.0639	102.3016	JELEBU	TRIANG ILIR

State: Johor (1 of 1)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
81	BWA_081	KOA Pasir Salam	1.6000	103.9653	JOHOR BAHRU	SUNGAI TIRAM
82	BWA_082	KOA Berasau	2.2186	103.5863	KLUANG	KAHANG
83	BWA_083	KOA Pucur	2.3262	103.5754	KLUANG	KAHANG
84	BWA_084	KOA Pasir Intan	1.8515	103.6991	KOTA TINGGI	KOTA TINGGI
85	BWA_085	KOA Tanah Gembuh	2.3365	102.5580	LEDANG	TANGKAK
86	BWA_086	KOA Tanah Gembuh (1)	2.3350	102.5580	LEDANG	TANGKAK
87	BWA_087	KOA Tewowoh	2.3845	103.6017	MERSING	MERSING
88	BWA_088	KOA Sri Tembayan	2.3228	103.1793	SEGAMAT	BEKOK
89	BWA_089	KOA Kudong	2.3205	103.1908	SEGAMAT	BEKOK
90	BWA_090	KOA Kudong (1)	2.3190	103.1900	SEGAMAT	BEKOK
91	BWA_091	KOA Kemidak	2.3768	103.2512	SEGAMAT	BEKOK

Cluster C02: Pahang and Kelantan

State: Pahang (1 of 3)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
92	BWA_092	KOA Sg. Dua Hulu	3.4457	101.9832	BENTONG	BENTONG
93	BWA_093	KOA Rening	4.4981	101.5826	CAMERON HIGHLANDS	HULU TELOM
94	BWA_094	KOA Terakit	4.4764	101.5894	CAMERON HIGHLANDS	HULU TELOM
95	BWA_095	KOA Sg.Tiang	4.4063	101.4386	CAMERON HIGHLANDS	HULU TELOM
96	BWA_096	KOA Sg. Chohong	4.4073	101.4377	CAMERON HIGHLANDS	HULU TELOM
97	BWA_097	KOA Panggen	4.4407	101.4621	CAMERON HIGHLANDS	HULU TELOM
98	BWA_098	KOA Sg. Kabuk	4.4065	101.4365	CAMERON HIGHLANDS	HULU TELOM
99	BWA_099	Ladang Boh Quarters	4.4373	101.4558	CAMERON HIGHLANDS	HULU TELOM
100	BWA_100	KOA Kuala Boh	4.4347	101.4942	CAMERON HIGHLANDS	HULU TELOM
101	BWA_101	KOA Bukit Gam	4.5403	102.5842	JERANTUT	JERANTUT
102	BWA_102	KOA Teluk Gunung	4.6382	101.9785	LIPIS	LIPIS
103	BWA_103	KOA Kuala Suar Pos Lanai	4.3923	101.7250	LIPIS	LIPIS
104	BWA_104	KOA Bantal Serau Pos Lanai	4.4239	101.8056	LIPIS	LIPIS
105	BWA_105	KOA Lanai Baru Pos Lanai	4.3972	101.7232	LIPIS	LIPIS
106	BWA_106	KOA Churuk Pos Lenjang	4.2579	101.5445	LIPIS	LIPIS
107	BWA_107	KOA Kenderong Pos Lenjang	4.2997	101.5667	LIPIS	LIPIS
108	BWA_108	KOA Bandar LZ Pos Lenjang	4.2907	101.6127	LIPIS	LIPIS
109	BWA_109	KOA Gempoh Pos Lenjang	4.2473	101.5437	LIPIS	LIPIS
110	BWA_110	KOA Pos Lenjang Pos Lenjang	4.2578	101.5457	LIPIS	LIPIS
111	BWA_111	KOA Rakoh Pos Lenjang	4.3049	101.5848	LIPIS	LIPIS
112	BWA_112	KOA Sop Pos Lenjang	4.2801	101.5673	LIPIS	LIPIS
113	BWA_113	KOA Tungau Pos Lenjang	4.2414	101.5437	LIPIS	LIPIS

Cluster C02: Pahang and Kelantan

State: Pahang (2 of 3)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
114	BWA_114	KOA Ngening / Gening Pos Lenjang	4.2848	101.6002	LIPIS	LIPIS
115	BWA_115	KOA Pagar Pos Lenjang	4.2651	101.5552	LIPIS	LIPIS
116	BWA_116	KOA Sg. Cheang Pos Lenjang	4.3233	101.5612	LIPIS	LIPIS
117	BWA_117	KOA Simoi Lama Pos Lenjang	4.3131	101.6338	LIPIS	LIPIS
118	BWA_118	KOA Talut Pos Lenjang	4.2939	101.5741	LIPIS	LIPIS
119	BWA_119	KOA Simoi Baru RPS Betau	4.2695	101.6822	LIPIS	LIPIS
120	BWA_120	KOA Cherong Pos Sinderut	4.1495	101.5517	LIPIS	LIPIS
121	BWA_121	KOA Labu Pos Sinderut	4.1468	101.5502	LIPIS	LIPIS
122	BWA_122	KOA Tual Pos Sinderut	4.1489	101.6491	LIPIS	LIPIS
123	BWA_123	KOA Chinchin Pos Titom	4.2807	101.5420	LIPIS	LIPIS
124	BWA_124	KOA Jernang Pos Titom	4.2762	101.5035	LIPIS	LIPIS
125	BWA_125	KOA Pos Titom Pos Titom	4.2816	101.5104	LIPIS	LIPIS
126	BWA_126	KOA Sungai Cherues Pos Titom	4.2820	101.5289	LIPIS	LIPIS
127	BWA_127	KOA Sungai Sempar Pos Titom	4.2832	101.5275	LIPIS	LIPIS
128	BWA_128	KOA Sg. Pinang	4.3939	101.6120	LIPIS	LIPIS
129	BWA_129	KOA Batu Gajah	4.3085	101.6065	LIPIS	LIPIS
130	BWA_130	KOA Dayok	4.2955	101.5781	LIPIS	LIPIS
131	BWA_131	KOA Bakul	4.2723	101.5605	LIPIS	LIPIS
132	BWA_132	KOA Kg. Nangka	4.3089	101.6151	LIPIS	LIPIS
133	BWA_133	KOA Rokam	4.1558	101.5522	LIPIS	LIPIS
134	BWA_134	KOA Kemenyan	4.2846	101.5206	LIPIS	LIPIS
135	BWA_135	KOA Tiat	4.3935	101.6216	LIPIS	LIPIS
136	BWA_136	KOA Tidol	4.1659	101.5581	LIPIS	LIPIS
137	BWA_137	KOA Ulu Tidol	4.1731	101.5446	LIPIS	LIPIS
138	BWA_138	KOA Saweh	4.1717	101.5637	LIPIS	LIPIS

Cluster C02: Pahang and Kelantan

State: Pahang (3 of 3)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
139	BWA_139	KOA Tigol	4.1724	101.5676	LIPIS	LIPIS
140	BWA_140	KOA Bertang Lama	4.1374	101.7020	LIPIS	LIPIS
141	BWA_141	KOA Bertang Baru	4.1299	101.7067	LIPIS	LIPIS
142	BWA_142	KOA Champion	4.1255	101.7055	LIPIS	LIPIS
143	BWA_143	KOA Chimpin	4.1348	101.7156	LIPIS	LIPIS
144	BWA_144	KOA Tual Baru	4.2315	101.6992	LIPIS	LIPIS
145	BWA_145	KOA Jerenguk	4.2307	101.7015	LIPIS	LIPIS
146	BWA_146	KOA Kerayong	4.2364	101.7023	LIPIS	LIPIS
147	BWA_147	KOA Pagar Lama	4.2700	101.5593	LIPIS	LIPIS
148	BWA_148	KOA Perangkap	4.3928	101.7231	LIPIS	LIPIS
149	BWA_149	KOA Sg. Sekin	4.2821	102.1600	LIPIS	LIPIS
150	BWA_150	KOA Sawah Batu	3.0598	103.2090	PEKAN	PEKAN
151	BWA_151	KOA Jong	3.0363	103.3749	PEKAN	PEKAN
152	BWA_152	KOA Air Hitam	3.4251	103.0727	PEKAN	PEKAN
153	BWA_153	KOA Tanjung Keruin	3.4420	103.0714	PEKAN	PEKAN
154	BWA_154	KOA Sg. Rempan	3.9760	101.8222	RAUB	BATU TALAM
155	BWA_155	KOA Sungai Temir	3.6643	102.0016	RAUB	GALI
156	BWA_156	KOA Bukit Lepas	2.6442	103.5244	ROMPIN	ROMPIN
157	BWA_157	KOA Tanah Runtuh	3.1915	103.0468	ROMPIN	ROMPIN
158	BWA_158	KOA Banai	3.1574	102.8273	ROMPIN	ROMPIN
159	BWA_159	KOA Paya Sendayan	3.5919	102.4528	TEMERLOH	LIPAT KAJANG
160	BWA_160	KOA Bukit Negeri	3.4393	102.1578	TEMERLOH	SEMANTAN

Cluster C02: Pahang and Kelantan

State: Kelantan (1 of 1)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
161	BWA_161	KOA Tembaga RPS Balar	4.9650	101.5102	GUA MUSANG	GUA MUSANG
162	BWA_162	KOA Tinjing RPS Kuala Betis	4.9645	101.7786	GUA MUSANG	GUA MUSANG
163	BWA_163	KOA Bihai Pos Bihai	4.9918	101.5763	GUA MUSANG	GUA MUSANG
164	BWA_164	KOA Simpor Pos Simpor	5.1257	101.5957	GUA MUSANG	GUA MUSANG
165	BWA_165	KOA Rekom Pos Simpor	5.1651	101.5561	GUA MUSANG	GUA MUSANG
166	BWA_166	KOA Bering RPS Pasik	5.1892	101.8087	GUA MUSANG	GUA MUSANG
167	BWA_167	KOA Gaweng Pos Gob	5.1540	101.6548	GUA MUSANG	GUA MUSANG
168	BWA_168	KOA Kacheng Pos Gob	5.2457	101.6609	GUA MUSANG	GUA MUSANG
169	BWA_169	KOA Jader Pos Simpor	5.1193	101.6514	GUA MUSANG	GUA MUSANG
170	BWA_170	KOA Dangdut Pos Simpor	5.0890	101.6225	GUA MUSANG	GUA MUSANG
171	BWA_171	KOA Lengrang Pos Gob	5.2524	101.6584	GUA MUSANG	GUA MUSANG
172	BWA_172	KOA Pichong Pos Gob	5.2092	101.6527	GUA MUSANG	GUA MUSANG
173	BWA_173	KOA Enching Pos Hau	4.8687	101.6174	KECIL LOJING	KECIL LOJING
174	BWA_174	KOA Tapai Pos Hau	4.8847	101.6088	KECIL LOJING	KECIL LOJING
175	BWA_175	KOA Langsung RPS Kuala Betis	4.9437	101.7841	KECIL LOJING	KECIL LOJING
176	BWA_176	KOA Kerbok Pos Tuel	4.7382	101.4918	KECIL LOJING	KECIL LOJING
177	BWA_177	KOA Ber Pos Tuel	4.7343	101.4992	KECIL LOJING	KECIL LOJING
178	BWA_178	KOA Hanir Pos Tuel	4.7417	101.4884	KECIL LOJING	KECIL LOJING

Cluster C03: Sarawak

State: Sarawak (1 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
179	BWA_179	Jambu Kerapak	1.5723	111.7445	BETONG	BETONG
180	BWA_180	Melabu Bair	1.5979	111.7538	BETONG	BETONG
181	BWA_181	Selangking	1.5555	111.7007	BETONG	BETONG
182	BWA_182	Melanjan, Spak	1.5418	111.6728	BETONG	BETONG
183	BWA_183	Melanjan, Spak 2	1.5487	111.6593	BETONG	BETONG
184	BWA_184	Nanga Mutok Tabau	1.6221	111.6915	BETONG	BETONG
185	BWA_185	Tebalau Ulu	1.5579	111.5963	BETONG	BETONG
186	BWA_186	Tr Brundie	1.5367	111.7324	BETONG	BETONG
187	BWA_187	Rh Edwin Glanggang	1.3788	111.5104	BETONG	BETONG
188	BWA_188	Kerapa, Spak	1.5281	111.6885	BETONG	BETONG
189	BWA_189	Kabok, Spak	1.5175	111.6339	BETONG	BETONG
190	BWA_190	Jelau Atas	1.4820	111.6083	BETONG	BETONG
191	BWA_191	Mini Ajong	1.4506	111.6717	BETONG	BETONG
192	BWA_192	Ulu Rimbas	1.6511	111.5134	BETONG	DEBAK
193	BWA_193	Kg. Buda	1.4973	111.3555	BETONG	SPAHOH
194	BWA_194	Kg. Klid	2.6755	112.0442	DALAT	DALAT
195	BWA_195	Nanga Baoh	2.5845	112.0489	DALAT	DALAT
196	BWA_196	Nanga Semah	2.3588	111.5161	DARO	DARO
197	BWA_197	Rh Isa	1.8130	111.8114	JULAU	JULAU
198	BWA_198	Rh Santing Jugi	1.8088	111.8597	JULAU	JULAU
199	BWA_199	Rh Unjang	1.7817	111.8879	JULAU	JULAU
200	BWA_200	Rh Ilang, Rh Medan	1.7403	111.9678	JULAU	JULAU

Cluster C03: Sarawak

State: Sarawak (2 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
201	BWA_201	SK Nanga Maong	1.7390	112.0240	JULAU	JULAU
202	BWA_202	Rh Meru, Sg. Engkabang, Ulu Entaih	1.8596	111.8160	JULAU	JULAU
203	BWA_203	Rh Sumping, Bebelit, Ulu Entaih	1.9793	111.9310	JULAU	JULAU
204	BWA_204	Rh Umar, Sg. Temiang, Ulu Entaih	1.8942	111.9432	JULAU	JULAU
205	BWA_205	Rh Ali, Ng Melepong, Entabai	1.8986	111.9542	JULAU	JULAU
206	BWA_206	Rh Kanip, Letong, Entabai	1.8552	111.9542	JULAU	JULAU
207	BWA_207	Rh Jipun, Ng Masit, Ulu Kanowit	1.8622	111.9785	JULAU	JULAU
208	BWA_208	Nanga Nunyau Julau	1.7825	111.9359	JULAU	JULAU
209	BWA_209	Rh Nyaiyang, Ulu Kanowit	1.6595	112.0340	JULAU	JULAU
210	BWA_210	Rh Andi, Lubok Besai, Entaih	1.7491	111.8465	JULAU	JULAU
211	BWA_211	Rh Padang	1.7806	111.8890	JULAU	JULAU
212	BWA_212	Rh Bana	1.7883	111.8620	JULAU	JULAU
213	BWA_213	Rh Dana 2	1.8130	111.8114	JULAU	JULAU
214	BWA_214	Rh Nyanggau	1.8016	111.7909	JULAU	JULAU
215	BWA_215	Rh Pungga, Rh Umping, Rh Ali	1.9949	112.2666	KANOWIT	KANOWIT
216	BWA_216	Rh Berandah / Antas / Janting	1.8978	112.1793	KANOWIT	KANOWIT
217	BWA_217	Rh Ujang / Malut	1.9015	112.2320	KANOWIT	KANOWIT
218	BWA_218	Rh Ujong / Enyang	1.9285	112.2245	KANOWIT	KANOWIT
219	BWA_219	Rh Pungga	1.9949	112.2666	KANOWIT	KANOWIT
220	BWA_220	Rh Liang	1.9994	112.2684	KANOWIT	KANOWIT
221	BWA_221	Rh Asat	2.0012	112.2666	KANOWIT	KANOWIT
222	BWA_222	Rh Peng Ujok	2.0034	112.2637	KANOWIT	KANOWIT
223	BWA_223	Rh Endi	2.0482	112.2683	KANOWIT	KANOWIT
224	BWA_224	Rh Ramong (1)	2.0538	112.1845	KANOWIT	KANOWIT
225	BWA_225	Rh Brandah	2.0114	111.9892	KANOWIT	KANOWIT

Cluster C03: Sarawak

State: Sarawak (3 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
226	BWA_226	Rh Salong	1.8232	112.2833	KANOWIT	KANOWIT
227	BWA_227	Rh Jurau / Magal	1.8423	112.2880	KANOWIT	KANOWIT
228	BWA_228	Rh Guang	1.8493	112.2855	KANOWIT	KANOWIT
229	BWA_229	Rh Ungka (1)	1.9057	112.3558	KANOWIT	KANOWIT
230	BWA_230	Rh Ai	1.9327	112.3647	KANOWIT	KANOWIT
231	BWA_231	SK Nanga Ngemah	2.0300	112.3954	KANOWIT	KANOWIT
232	BWA_232	Rh Jugah	2.0330	112.3783	KANOWIT	KANOWIT
233	BWA_233	Rh Lat (1)	2.0410	112.3532	KANOWIT	KANOWIT
234	BWA_234	Rh Jambai	2.0870	112.3033	KANOWIT	KANOWIT
235	BWA_235	Klinik Nanga Ibau Kapit	2.0108	112.7056	KAPIT	KAPIT
236	BWA_236	Rh Juing	2.0062	112.6770	KAPIT	KAPIT
237	BWA_237	Nanga Ngemah	1.2671	111.7918	LUBOK ANTU	ENGKILILI
238	BWA_238	SK Ng Menyebat	1.2919	111.8254	LUBOK ANTU	ENGKILILI
239	BWA_239	Nanga Jambu	1.3982	111.8208	LUBOK ANTU	ENGKILILI
240	BWA_240	Nanga Putoh	1.2844	111.8058	LUBOK ANTU	ENGKILILI
241	BWA_241	Nanga Tiga	1.2077	111.8275	LUBOK ANTU	ENGKILILI
242	BWA_242	SK Nanga Menjuau	1.5541	111.8266	LUBOK ANTU	ENGKILILI
243	BWA_243	Lubok Maloh / Klinik Nanga Entalau	1.4588	111.7889	LUBOK ANTU	ENGKILILI
244	BWA_244	Hulu Akup	1.4605	111.7299	LUBOK ANTU	ENGKILILI
245	BWA_245	Nanga Kujuh	1.3881	111.7091	LUBOK ANTU	ENGKILILI
246	BWA_246	Rh Angan Darai	1.4066	111.7231	LUBOK ANTU	ENGKILILI
247	BWA_247	Nangan Lalang	1.3987	111.7550	LUBOK ANTU	ENGKILILI
248	BWA_248	Nanga Kepat	1.5596	111.8437	LUBOK ANTU	ENGKILILI
249	BWA_249	Penaban	1.5390	111.7892	LUBOK ANTU	ENGKILILI
250	BWA_250	Ulu Engkari	1.3806	111.9770	LUBOK ANTU	LUBOK ANTU

Cluster C03: Sarawak

State: Sarawak (4 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
251	BWA_251	Ng Tatong	1.2528	111.9391	LUBOK ANTU	LUBOK ANTU
252	BWA_252	Ng Seridan	1.3344	111.9506	LUBOK ANTU	LUBOK ANTU
253	BWA_253	Ng Sedi	1.1571	111.9873	LUBOK ANTU	LUBOK ANTU
254	BWA_254	Embah	1.2588	112.0693	LUBOK ANTU	LUBOK ANTU
255	BWA_255	Rh Panjang	1.2189	112.0578	LUBOK ANTU	LUBOK ANTU
256	BWA_256	Nanga Sumpa	1.2034	112.0567	LUBOK ANTU	LUBOK ANTU
257	BWA_257	SK Skarok	1.1918	112.0711	LUBOK ANTU	LUBOK ANTU
258	BWA_258	Nanga Stamang	1.3122	111.9441	LUBOK ANTU	LUBOK ANTU
259	BWA_259	Nanga Ukom, Nanga Spaya	1.2760	111.9281	LUBOK ANTU	LUBOK ANTU
260	BWA_260	Nyato	1.1817	111.8081	LUBOK ANTU	LUBOK ANTU
261	BWA_261	Nanga Tatong	1.2460	111.9010	LUBOK ANTU	LUBOK ANTU
262	BWA_262	Nanga Stamang (1)	1.3133	111.9436	LUBOK ANTU	LUBOK ANTU
263	BWA_263	Kg. Muara Sawai	2.5079	111.7127	MATU	MATU
264	BWA_264	Rh Jilom	2.7270	112.4936	MUKAH	BALINGIAN
265	BWA_265	Nanga Sikat	2.6886	112.2251	MUKAH	MUKAH
266	BWA_266	Rh Rawing	1.7737	111.6117	PAKAN	BUDU
267	BWA_267	Bukit Seri	1.6767	111.8886	PAKAN	JULAU
268	BWA_268	Rh Kedit, Sg. Buluh, Kemalih	1.7885	111.7668	PAKAN	JULAU
269	BWA_269	Rh Musit ak Belili	1.6031	111.7944	PAKAN	PAKAN
270	BWA_270	Rh Nyakin, Sg. Bangkit, Ulu Entaih	1.6301	111.7966	PAKAN	PAKAN
271	BWA_271	Rh Mawa, Ng Masit, Ulu Kanowit	1.7136	111.7660	PAKAN	PAKAN
272	BWA_272	Rh Jalin, Ng Masit, Ulu Kanowit	1.7162	111.7382	PAKAN	PAKAN
273	BWA_273	SK Ulu Entabai	1.6502	111.8204	PAKAN	PAKAN
274	BWA_274	Rh Jalang, Ng Bayu, Entabai	1.6334	111.8738	PAKAN	PAKAN
275	BWA_275	Nanga Buku 3	1.9082	111.5631	PAKAN	PAKAN

Cluster C03: Sarawak

State: Sarawak (5 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
276	BWA_276	Rh Tukang Nyalak Atas	1.8334	111.6726	PAKAN	PAKAN
277	BWA_277	Nanga Semawang	1.7848	111.6712	PAKAN	PAKAN
278	BWA_278	Rh Irai / Lambat	1.9697	111.7124	PAKAN	PAKAN
279	BWA_279	Rh Safri	1.9395	111.6859	PAKAN	PAKAN
280	BWA_280	Rh Abus / Mancha	1.8390	111.7540	PAKAN	PAKAN
281	BWA_281	1KM - Rh Lidam (East)	1.8214	111.5734	PAKAN	PAKAN
282	BWA_282	North Rh Lidam	1.8204	111.5607	PAKAN	PAKAN
283	BWA_283	Rh Douglas Jenuang	1.8268	111.7405	PAKAN	PAKAN
284	BWA_284	Rh Hillary Singka	1.8913	111.6186	PAKAN	PAKAN
285	BWA_285	Rh Krai	1.8703	111.5226	PAKAN	PAKAN
286	BWA_286	Rh Mambang, Sg. Pasir	1.9114	111.5655	PAKAN	PAKAN
287	BWA_287	Rh Ensilin	1.8905	111.6194	PAKAN	PAKAN
288	BWA_288	Rh Mandau	1.9068	111.5602	PAKAN	PAKAN
289	BWA_289	Rh Anthony	1.7342	111.6729	PAKAN	PAKAN
290	BWA_290	Rh D Melanjan	1.9268	111.5841	PAKAN	PAKAN
291	BWA_291	Rh Udeng	1.7640	111.6005	SARATOK	BUDU
292	BWA_292	Tebalu Kerian	1.7337	111.6149	SARATOK	BUDU
293	BWA_293	Nanga Batang	1.6787	111.5690	SARATOK	BUDU
294	BWA_294	Rh Unja	1.6758	111.5843	SARATOK	BUDU
295	BWA_295	Rh Unding	1.7336	111.6148	SARATOK	BUDU
296	BWA_296	Rh Gayan	1.7581	111.5497	SARATOK	BUDU
297	BWA_297	Rh Bangsang	1.7640	111.6006	SARATOK	BUDU
298	BWA_298	Rh Pantan	1.7850	111.5272	SARATOK	BUDU
299	BWA_299	Rh Nyalang	1.8032	111.4437	SARATOK	BUDU
300	BWA_300	Rh Jeti	1.8524	111.3548	SARATOK	ROBAN

Cluster C03: Sarawak

State: Sarawak (6 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
301	BWA_301	Rh Langgan	1.8517	111.3608	SARATOK	SARATOK
302	BWA_302	Rh Nyamber	1.8509	111.3639	SARATOK	SARATOK
303	BWA_303	Rh Sabok	1.8521	111.3665	SARATOK	SARATOK
304	BWA_304	Rh Lat (2)	1.9553	111.5524	SARIKEI	SARIKEI
305	BWA_305	Rh Eatalai	1.9693	111.5696	SARIKEI	SARIKEI
306	BWA_306	Rh Belili	1.9875	111.5648	SARIKEI	SARIKEI
307	BWA_307	Rh Jelli Ak Kiai	2.6865	112.4651	SELANGAU	BALINGIAN
308	BWA_308	Rh Jarau	2.7018	112.5319	SELANGAU	SELANGAU
309	BWA_309	Rh Amit (1)	2.7792	112.5846	SELANGAU	SELANGAU
310	BWA_310	Rh Tujuh	2.8058	112.6277	SELANGAU	SELANGAU
311	BWA_311	Bukit Tutong	2.8386	112.7049	SELANGAU	SELANGAU
312	BWA_312	Rh Tawai	2.2624	112.1976	SELANGAU	SELANGAU
313	BWA_313	Rh Letan	2.2772	112.2315	SELANGAU	SELANGAU
314	BWA_314	Rh Emong	2.2950	112.6028	SELANGAU	SELANGAU
315	BWA_315	Nanga Arau	2.3055	112.5702	SELANGAU	SELANGAU
316	BWA_316	Rh Rasin	2.3179	112.5184	SELANGAU	SELANGAU
317	BWA_317	Rh Pengarah	2.3351	112.4717	SELANGAU	SELANGAU
318	BWA_318	Rh Pengan	2.2770	112.4280	SELANGAU	SELANGAU
319	BWA_319	Rh Seliau	2.2846	112.3853	SELANGAU	SELANGAU
320	BWA_320	Rh Tujoh	2.3184	112.2437	SELANGAU	SELANGAU
321	BWA_321	Rh Jugah (1)	2.3874	112.3841	SELANGAU	SELANGAU
322	BWA_322	Rh Janting	2.4585	112.4492	SELANGAU	SELANGAU
323	BWA_323	Nanga Lemai	2.6879	112.5053	SELANGAU	SELANGAU
324	BWA_324	Rh Mat, Rh Engki	2.6693	112.5161	SELANGAU	SELANGAU
325	BWA_325	Rh Gawan, Rh Salit, Rh Matahari	2.4673	111.9517	SIBU	SIBU

Cluster C03: Sarawak

State: Sarawak (7 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
326	BWA_326	Rh Leo	1.8464	112.6361	SONG	SONG
327	BWA_327	Rh Ranggan	2.0864	112.4386	SONG	SONG
328	BWA_328	Rh Oyan, Rh Garai, Rh Ubau	1.9082	112.6888	SONG	SONG
329	BWA_329	Rh Jinggai, Rh Jagop	1.8593	112.6235	SONG	SONG
330	BWA_330	Rh Masam (1)	1.8114	112.6575	SONG	SONG
331	BWA_331	Ng Bangkit / Rh Bedoli, Rh Juntan	1.7676	112.6398	SONG	SONG
332	BWA_332	Rh Buda, Rh Langkau	1.6933	112.4906	SONG	SONG
333	BWA_333	Lubuk Ipoh, Ulu Katibas	1.7095	112.4018	SONG	SONG
334	BWA_334	Rh Leo (1)	1.8436	112.6433	SONG	SONG
335	BWA_335	Rh Taboh	2.0089	112.6392	SONG	SONG
336	BWA_336	Rh Sa	1.7057	112.4133	SONG	SONG
337	BWA_337	Rh Tagong	1.7048	112.3794	SONG	SONG
338	BWA_338	Rh Guyang	1.6600	112.7775	SONG	SONG
339	BWA_339	Rh Layang	1.6640	112.7158	SONG	SONG
340	BWA_340	Rh Saging	1.6672	112.7604	SONG	SONG
341	BWA_341	Nanga Nyimah	1.6984	112.7219	SONG	SONG
342	BWA_342	Rh Kaya	1.9081	112.7856	SONG	SONG
343	BWA_343	Rh Kuta	2.1074	112.4439	SONG	SONG
344	BWA_344	Rh Japang	2.0598	112.4203	SONG	SONG
345	BWA_345	Rh Timban	2.0472	112.5183	SONG	SONG
346	BWA_346	Rh Abo	1.8812	112.5983	SONG	SONG
347	BWA_347	Rh Puso (1)	1.8815	112.5506	SONG	SONG
348	BWA_348	Tanjung Narok	1.8653	112.5192	SONG	SONG
349	BWA_349	Rh Pasang	1.8679	112.4983	SONG	SONG
350	BWA_350	Rh Jebat	1.7561	112.5385	SONG	SONG

Cluster C03: Sarawak

State: Sarawak (8 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
351	BWA_351	Rh Jumbun	1.7300	112.5471	SONG	SONG
352	BWA_352	Rh Enggong / Api	1.6821	112.3360	SONG	SONG
353	BWA_353	Rh Andau	1.6821	112.4198	SONG	SONG
354	BWA_354	Rh Suring	1.7083	112.5236	SONG	SONG
355	BWA_355	Rh Inggong (Rh Barang), Ulu Sg. Katibas	1.6927	112.3630	SONG	SONG
356	BWA_356	Rh Pasang, Sg. Musah	1.8754	112.4866	SONG	SONG
357	BWA_357	Rh Rambo, Ng Masak, Sg. Katibas	1.6758	112.4369	SONG	SONG
358	BWA_358	Rh Tembang, Rh Sibat, Rh Kabit	2.0327	112.5529	SONG	SONG
359	BWA_359	Rh Oyan, Rh Garai, Rh Ubau (1)	1.9088	112.6924	SONG	SONG
360	BWA_360	Rh Buda, Rh Langkau (1)	1.6968	112.4916	SONG	SONG
361	BWA_361	Rh Demang, Emperan Menuang, Sg. Musah	1.8696	112.5307	SONG	SONG
362	BWA_362	Rh Japok, Ng Senyaro, Ng Musah Rh Gelana, Ng Tekalit	1.8856	112.5750	SONG	SONG
363	BWA_363	Rh Lasin, Ng Nansang, Sg. Bangkit	1.7231	112.6603	SONG	SONG
364	BWA_364	Rh Endah, Ng Sepayang, Sg. Tekalit	1.9074	112.6716	SONG	SONG
365	BWA_365	Rh Jabang	2.0339	112.5465	SONG	SONG
366	BWA_366	Rh Igol	1.7403	112.5495	SONG	SONG
367	BWA_367	Rh Jagop	1.8460	112.6358	SONG	SONG
368	BWA_368	Rh Saoh	1.8330	112.6523	SONG	SONG
369	BWA_369	Rh Tanjung	1.7662	112.6150	SONG	SONG
370	BWA_370	Rh Belayong	1.9226	112.5432	SONG	SONG
371	BWA_371	Rh Jenau	1.9778	112.5652	SONG	SONG
372	BWA_372	Rh Jamba	2.0234	112.5275	SONG	SONG
373	BWA_373	Rh Nyatau	2.0297	112.5264	SONG	SONG
374	BWA_374	Rh Ungga	1.2743	111.1383	SRI AMAN	LINGGA
375	BWA_375	Rh Langir	1.2840	111.1610	SRI AMAN	LINGGA

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No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
376	BWA_376	Long Bangan	2.8339	113.7467	BELAGA	BELAGA
377	BWA_377	Rh Swing, Nanga Telawan	2.4838	113.5605	BELAGA	BELAGA
378	BWA_378	Uma Tanjong, Rh Nyelang	2.5188	113.6081	BELAGA	BELAGA
379	BWA_379	Long Jawe (Seberang)	2.1210	114.1884	BELAGA	BELAGA
380	BWA_380	Lepau Kayan	2.5344	113.6340	BELAGA	BELAGA
381	BWA_381	Uma Tanjong, Rh Nyelang (1)	2.5151	113.6021	BELAGA	BELAGA
382	BWA_382	Long Mejawah / Rh Apan	2.7893	113.9779	BELAGA	BELAGA
383	BWA_383	Sg. Kupa	2.8061	113.7135	BELAGA	BELAGA
384	BWA_384	Rh Lat	2.4023	113.3951	BELAGA	BELAGA
385	BWA_385	Naha Jalei	2.3530	113.9287	BELAGA	BELAGA
386	BWA_386	Kg. Naha Nyabong	2.2138	113.9148	BELAGA	BELAGA
387	BWA_387	Kg. Lewei Way	2.2999	113.8846	BELAGA	BELAGA
388	BWA_388	Rh Daro	2.3460	113.7475	BELAGA	BELAGA
389	BWA_389	Rh Sehan	2.6990	113.8129	BELAGA	BELAGA
390	BWA_390	Punan Biau	2.4179	113.4225	BELAGA	BELAGA
391	BWA_391	Uma Lahanan Long Semuang	2.7529	113.8802	BELAGA	BELAGA
392	BWA_392	Long Nanyan	2.7717	113.7317	BELAGA	BELAGA
393	BWA_393	Uma Apan Kaki Menjawa	2.7963	113.9464	BELAGA	BELAGA
394	BWA_394	Rh Tg.	2.5117	113.6056	BELAGA	BELAGA
395	BWA_395	Rh Tg. Long Pawah	2.5115	113.6057	BELAGA	BELAGA
396	BWA_396	Kg. Sekapan Pendek	2.6784	113.7658	BELAGA	BELAGA
397	BWA_397	Rh Kilau (SK Sungai Tunoh)	2.0462	113.6712	BELAGA	BELAGA
398	BWA_398	Nga Sidang	2.8673	113.0128	BELAGA	BELAGA
399	BWA_399	Ng Dap	2.1325	113.1913	BELAGA	BELAGA
400	BWA_400	Long Malim	2.5073	114.6528	BELAGA	BELAGA

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No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
401	BWA_401	Long Singu	2.6695	114.5550	BELAGA	BELAGA
402	BWA_402	Long Malim, Tegulang	2.6010	114.3623	BELAGA	BELAGA
403	BWA_403	Long Lidam	2.3443	114.6356	BELAGA	BELAGA
404	BWA_404	Long Malim (1)	2.5066	114.6459	BELAGA	BELAGA
405	BWA_405	Long Singu (1)	2.6663	114.5570	BELAGA	BELAGA
406	BWA_406	Long Lidam (1)	2.3427	114.6356	BELAGA	BELAGA
407	BWA_407	Long Jaik, Belaga	2.8079	114.3185	BELAGA	BELAGA
408	BWA_408	Long Pran, Belaga	2.8310	114.2703	BELAGA	BELAGA
409	BWA_409	Long Lidem	2.3369	114.6780	BELAGA	BELAGA
410	BWA_410	Jeti Empangan Bakun	2.7713	114.0799	BELAGA	BELAGA
411	BWA_411	Uma Sambop	2.9183	113.9160	BELAGA	SUNGAI ASAP
412	BWA_412	Rh Nyelang Utai	3.0054	113.9937	BELAGA	SUNGAI ASAP
413	BWA_413	Uma Seping, Bt. 6, Long Koyan, Belaga	3.0511	114.0120	BELAGA	SUNGAI ASAP
414	BWA_414	Rh Bayak Sipat	2.9752	114.2246	BELAGA	SUNGAI ASAP
415	BWA_415	Uma Yan Ketik Uma Seping	3.0195	113.9779	BELAGA	SUNGAI ASAP
416	BWA_416	Rh William Nading	2.9797	113.2171	BELAGA	SUNGAI ASAP
417	BWA_417	Uma Dikan Joseph Usang	2.9902	114.1880	BELAGA	SUNGAI ASAP
418	BWA_418	Uma Badeng Anthony Lerang Jambatan Urun	2.9945	114.1921	BELAGA	SUNGAI ASAP
419	BWA_419	Rh Bennet	3.1769	113.1494	BINTULU	BINTULU
420	BWA_420	Long Unai	1.9575	114.7170	BUKIT MABONG	BELAGA
421	BWA_421	Long Busang	1.8722	114.3154	BUKIT MABONG	BELAGA
422	BWA_422	Sungai Tunoh	2.0398	113.6732	BUKIT MABONG	BELAGA
423	BWA_423	Rh Maju, Rh Tinggang, Rh Lulut	1.8332	113.4072	BUKIT MABONG	BUKIT MABONG
424	BWA_424	Rh Kasau, Rh Gira, Rh Aohal	2.0601	113.2520	BUKIT MABONG	BUKIT MABONG
425	BWA_425	Rh Ugak, Rh Rumpang	2.0845	113.2370	BUKIT MABONG	BUKIT MABONG

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No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
426	BWA_426	Rh Tangai, Bukit Kawit	2.0926	113.4211	BUKIT MABONG	BUKIT MABONG
427	BWA_427	Rh Ribai, Rh Uggat	1.8722	113.5231	BUKIT MABONG	BUKIT MABONG
428	BWA_428	Rh Ungka	2.0971	113.4596	BUKIT MABONG	BUKIT MABONG
429	BWA_429	Rh Mayau, Rh Kilat, SK Bebangsan	2.1728	113.4378	BUKIT MABONG	BUKIT MABONG
430	BWA_430	Rh Anding, Menuan	2.0665	113.4861	BUKIT MABONG	BUKIT MABONG
431	BWA_431	Rh Gare Sungai Kain	1.9401	113.2820	BUKIT MABONG	BUKIT MABONG
432	BWA_432	Sungai Gaat (1)	1.8634	113.4221	BUKIT MABONG	BUKIT MABONG
433	BWA_433	Sungai Gaat (2)	1.8135	113.3853	BUKIT MABONG	BUKIT MABONG
434	BWA_434	Rh Said - Sepulau	1.7772	113.2317	BUKIT MABONG	BUKIT MABONG
435	BWA_435	Simpang Tunoh to Putai (Jalan Atas)	1.9285	113.7905	BUKIT MABONG	BUKIT MABONG
436	BWA_436	Rh Anding, Menuan (1)	2.0458	113.4542	BUKIT MABONG	BUKIT MABONG
437	BWA_437	Rh Tangai, Bukit Kawit (1)	2.0912	113.4194	BUKIT MABONG	BUKIT MABONG
438	BWA_438	Rh Mawang	1.9941	113.2161	BUKIT MABONG	BUKIT MABONG
439	BWA_439	Rh Nading, Nanga Selentang, Gaat	1.7726	113.1936	BUKIT MABONG	BUKIT MABONG
440	BWA_440	SK Nanga Balang	1.7789	113.2579	BUKIT MABONG	BUKIT MABONG
441	BWA_441	Rh Luyoh	2.0106	113.4342	BUKIT MABONG	BUKIT MABONG
442	BWA_442	Rh Luyoh 2	2.0154	113.5621	BUKIT MABONG	BUKIT MABONG
443	BWA_443	Rh Bukit Kawi	1.7174	113.1736	BUKIT MABONG	BUKIT MABONG
444	BWA_444	Rh Lawan	1.6458	113.1333	BUKIT MABONG	BUKIT MABONG
445	BWA_445	Rh Debu / Tinggong	2.1663	113.5044	BUKIT MABONG	BUKIT MABONG
446	BWA_446	Rh Segiang	2.1505	113.4724	BUKIT MABONG	BUKIT MABONG
447	BWA_447	Rh Naruk	2.1442	113.4333	BUKIT MABONG	BUKIT MABONG
448	BWA_448	Rh Bunsu	2.1522	113.5871	BUKIT MABONG	BUKIT MABONG
449	BWA_449	Rh Bongsu	2.1391	113.5293	BUKIT MABONG	BUKIT MABONG
450	BWA_450	Rh Jalin	2.0568	113.2954	BUKIT MABONG	BUKIT MABONG

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No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
451	BWA_451	Rh Barang	2.0290	113.5199	BUKIT MABONG	BUKIT MABONG
452	BWA_452	Rh Ngiang	1.9749	113.4411	BUKIT MABONG	BUKIT MABONG
453	BWA_453	Rh Masam	2.0260	113.5791	BUKIT MABONG	BUKIT MABONG
454	BWA_454	Sg. Entuloh	1.9791	113.7058	BUKIT MABONG	BUKIT MABONG
455	BWA_455	Rh Jack	1.9596	113.6831	BUKIT MABONG	BUKIT MABONG
456	BWA_456	Rh Suntong	1.9086	113.6541	BUKIT MABONG	BUKIT MABONG
457	BWA_457	Rh Sengkuai	1.9674	113.2835	BUKIT MABONG	BUKIT MABONG
458	BWA_458	Rh Kupa	1.8086	113.3278	BUKIT MABONG	BUKIT MABONG
459	BWA_459	Rh Ding	1.7952	113.2972	BUKIT MABONG	BUKIT MABONG
460	BWA_460	Long Singot	1.5726	114.4196	BUKIT MABONG	BUKIT MABONG
461	BWA_461	Sg. Sibau	1.5614	114.1802	BUKIT MABONG	BUKIT MABONG
462	BWA_462	Rh Langan	1.8280	113.6416	BUKIT MABONG	BUKIT MABONG
463	BWA_463	Rh Saba, Ng Grugu, Sg. Oyan	2.1222	113.3067	BUKIT MABONG	BUKIT MABONG
464	BWA_464	Rh Engsong Sg. Kain	1.9374	113.2975	BUKIT MABONG	BUKIT MABONG
465	BWA_465	Klinik Desa	2.0964	113.4318	BUKIT MABONG	BUKIT MABONG
466	BWA_466	Rh James Badak	1.8684	113.5213	BUKIT MABONG	BUKIT MABONG
467	BWA_467	Sg. Entuloh (1)	1.4844	113.4872	BUKIT MABONG	BUKIT MABONG
468	BWA_468	Ulu Sg. Mujong	2.1807	113.5056	BUKIT MABONG	BUKIT MABONG
469	BWA_469	Rh Ramong	1.8498	113.4115	BUKIT MABONG	BUKIT MABONG
470	BWA_470	Rh Majau	1.8565	113.4167	BUKIT MABONG	BUKIT MABONG
471	BWA_471	Rh Baling	2.0240	113.1347	BUKIT MABONG	BUKIT MABONG
472	BWA_472	Sg. Ibun	2.3103	113.2750	BUKIT MABONG	NANGA MERIT
473	BWA_473	Rh John	2.3231	113.2327	BUKIT MABONG	NANGA MERIT
474	BWA_474	Rh Prais	2.3292	113.1369	BUKIT MABONG	NANGA MERIT
475	BWA_475	Rh Sadang	2.3714	113.2547	BUKIT MABONG	NANGA MERIT

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No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
476	BWA_476	Rh Sidin	2.3598	113.2542	BUKIT MABONG	NANGA MERIT
477	BWA_477	Rh Laja	2.3093	113.1669	BUKIT MABONG	NANGA MERIT
478	BWA_478	Rh Jawan	2.3278	113.3798	BUKIT MABONG	NANGA MERIT
479	BWA_479	Rh Gandang	2.3467	113.4173	BUKIT MABONG	NANGA MERIT
480	BWA_480	Tanjung Emperan	2.3202	113.4316	BUKIT MABONG	NANGA MERIT
481	BWA_481	Rh Nyanggau, Ng Sejambu, Sg. Pila, Btg Rajang	2.3193	113.3630	BUKIT MABONG	NANGA MERIT
482	BWA_482	Rh Mero, Lubuk Dabai, Sg. Pila	2.3045	113.3060	BUKIT MABONG	NANGA MERIT
483	BWA_483	Rh Gendang Sg. Pila	2.3303	113.5129	BUKIT MABONG	NANGA MERIT
484	BWA_484	Rh Jamit Ng. Latap Pilla	2.3884	113.5014	BUKIT MABONG	NANGA MERIT
485	BWA_485	Rh Pilai	2.3178	113.2105	BUKIT MABONG	NANGA MERIT
486	BWA_486	Ng Ensawie (Rh Milang)	2.2595	113.1046	BUKIT MABONG	NANGA MERIT
487	BWA_487	Rh Berundang	2.2599	113.1054	BUKIT MABONG	NANGA MERIT
488	BWA_488	Rh Ama	2.3422	113.2843	BUKIT MABONG	NANGA MERIT
489	BWA_489	Rh Ibin	2.3509	113.2708	BUKIT MABONG	NANGA MERIT
490	BWA_490	Rh Atut	2.1944	113.1242	BUKIT MABONG	NANGA MERIT
491	BWA_491	Rh Jelani / Tinggang	2.2569	113.1391	BUKIT MABONG	NANGA MERIT
492	BWA_492	Rh Jingut	2.2122	113.1561	BUKIT MABONG	NANGA MERIT
493	BWA_493	Rh Laja (1)	2.1933	113.1197	BUKIT MABONG	NANGA MERIT
494	BWA_494	Rh Lutau	2.2117	113.1522	BUKIT MABONG	NANGA MERIT
495	BWA_495	Rh Paul Kakek	2.2514	113.1239	BUKIT MABONG	NANGA MERIT
496	BWA_496	Sg. Yong	1.9704	112.8513	KAPIT	KAPIT
497	BWA_497	SK Nanga Yong, Nanga Yong	2.0118	112.8152	KAPIT	KAPIT
498	BWA_498	Rh Ringga	2.0613	112.8253	KAPIT	KAPIT
499	BWA_499	Rh Enchana / Garai	2.0620	112.8991	KAPIT	KAPIT
500	BWA_500	Rh Jingga	2.0561	112.8908	KAPIT	KAPIT

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No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
501	BWA_501	Rh Sli, Ng Sebelu, Sg. Menuan	2.0704	112.9073	KAPIT	KAPIT
502	BWA_502	Rh Ruyoh	2.0747	112.9115	KAPIT	KAPIT
503	BWA_503	Rh Kudi, Rh Anggah	1.8992	113.1686	KAPIT	KAPIT
504	BWA_504	Rh Luyang, Rh Ambang, SK Nanga Bawai	2.0116	113.0851	KAPIT	KAPIT
505	BWA_505	Rh Pilai, Rh Bangau	1.8771	112.9624	KAPIT	KAPIT
506	BWA_506	Nanga Bena	1.9818	113.1057	KAPIT	KAPIT
507	BWA_507	Rh Taing Dasang, Ng Bena, Sg. Bena Sut	1.9434	113.0930	KAPIT	KAPIT
508	BWA_508	Rh Beraoh	1.9278	113.0361	KAPIT	KAPIT
509	BWA_509	Rh Mikai	1.9467	113.1056	KAPIT	KAPIT
510	BWA_510	Rh Nyengat	1.8611	112.9616	KAPIT	KAPIT
511	BWA_511	Rh George	2.2302	113.0253	KAPIT	KAPIT
512	BWA_512	Rh Puso	2.0644	113.0158	KAPIT	KAPIT
513	BWA_513	Rh George, Ng Selirik, Pelagus	2.2134	113.0403	KAPIT	KAPIT
514	BWA_514	Rh Kudi, Rh Anggah (1)	1.9134	113.1381	KAPIT	KAPIT
515	BWA_515	Rh William Ubu	1.9283	113.0381	KAPIT	KAPIT
516	BWA_516	Rh Ajan	2.0542	113.0572	KAPIT	KAPIT
517	BWA_517	Rh Bakar	2.0378	113.0414	KAPIT	KAPIT
518	BWA_518	Rh Benggau	2.0019	113.1031	KAPIT	KAPIT
519	BWA_519	Rh Irin	1.9875	113.0994	KAPIT	KAPIT
520	BWA_520	Rh Jalit	2.1992	113.0839	KAPIT	KAPIT
521	BWA_521	Rh Jampong	2.0083	113.0700	KAPIT	KAPIT
522	BWA_522	Rh John Martin	1.9986	113.1017	KAPIT	KAPIT
523	BWA_523	Rh Juntan	1.9497	113.1178	KAPIT	KAPIT
524	BWA_524	Rh Mamut	1.9014	113.1567	KAPIT	KAPIT
525	BWA_525	Rh Mengga	2.0517	113.0597	KAPIT	KAPIT

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No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
526	BWA_526	Rh Milang	2.0081	113.1103	KAPIT	KAPIT
527	BWA_527	Rh Sekang @ Sigan	2.0117	113.0783	KAPIT	KAPIT
528	BWA_528	Rh Tungan	2.0556	113.0622	KAPIT	KAPIT
529	BWA_529	Rh Adau, Sg. Binyo	2.8297	113.4265	SEBAUH	SEBAUH
530	BWA_530	Rh Nyipa, Lubuk Bungai, Sg. Binyo	2.8467	113.4360	SEBAUH	SEBAUH
531	BWA_531	Rh Dundang	3.3435	113.4480	SEBAUH	SEBAUH
532	BWA_532	Rh Angkom	3.3622	113.9320	SEBAUH	SEBAUH
533	BWA_533	Rh Awan	3.3747	113.9294	SEBAUH	SEBAUH
534	BWA_534	Rh Amit	3.2917	113.8902	SEBAUH	SEBAUH
535	BWA_535	Rh Mering Madang, Long Dapui, Pesu, Tubau	3.1137	113.7354	SEBAUH	SEBAUH
536	BWA_536	Rh Mersam Jok	3.0095	113.7278	SEBAUH	SEBAUH
537	BWA_537	Rh Nyaring Ak Minggu	3.1906	113.7543	SEBAUH	SEBAUH
538	BWA_538	Rh Talib Ak Punai	3.1986	113.8491	SEBAUH	SEBAUH
539	BWA_539	Rh Wan Usin	3.1786	113.7500	SEBAUH	SEBAUH
540	BWA_540	Rh Ramli Ak Uda	3.2051	113.8545	SEBAUH	SEBAUH
541	BWA_541	Rh Majang Ak Ragan	3.1915	113.5960	SEBAUH	SEBAUH
542	BWA_542	Rh Lasah Mering	3.1296	113.7269	SEBAUH	SEBAUH
543	BWA_543	Rh Edi Inggah	3.5625	113.8076	SUBIS	NIAH-SUAI
544	BWA_544	Rh Joe Merudi	3.5715	113.7160	SUBIS	NIAH-SUAI
545	BWA_545	Rh Rantau	3.5083	113.7742	SUBIS	NIAH-SUAI
546	BWA_546	Rh Ujoh	3.5028	113.7439	SUBIS	NIAH-SUAI
547	BWA_547	Rh Flowrence	3.6955	113.4931	SUBIS	NIAH-SUAI
548	BWA_548	Rh Junfe Tindin	3.7831	113.5971	SUBIS	NIAH-SUAI
549	BWA_549	Kg. Sengela	2.7867	113.6983	TATAU	TATAU
550	BWA_550	Jalan Data Kakus Belaga	2.7549	113.6785	TATAU	TATAU

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No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
551	BWA_551	Rh Malo, Ulu Penyarai	2.6345	113.1515	TATAU	TATAU
552	BWA_552	Nanga Tau	2.5433	113.0321	TATAU	TATAU
553	BWA_553	Rh Bilong	2.3003	112.9461	TATAU	TATAU
554	BWA_554	Rh Dickson Pedas Ak Kana	2.8383	112.8964	TATAU	TATAU
555	BWA_555	Rh Bakat	2.6395	113.3303	TATAU	TATAU
556	BWA_556	Rh Ta'a, Lubok Selamun	2.6556	113.2940	TATAU	TATAU
557	BWA_557	Rh Sumping, Ng Putik	2.6396	113.2195	TATAU	TATAU
558	BWA_558	Rh Engkulau, Ng Belungai	2.6703	113.2110	TATAU	TATAU
559	BWA_559	Rh Jadian	2.5428	113.0643	TATAU	TATAU
560	BWA_560	Nanga Tau (1)	2.5444	113.0320	TATAU	TATAU
561	BWA_561	Rh Sumpurai	2.5272	112.9358	TATAU	TATAU
562	BWA_562	Rh Sangkap	2.5256	112.9143	TATAU	TATAU
563	BWA_563	Rh Mancha, Ng Ayam	2.4383	112.8757	TATAU	TATAU
564	BWA_564	Rh Degom ak Usit, Ng. Puti, Ulu Kakus	2.6526	113.1951	TATAU	TATAU

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No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
565	BWA_565	Baram CTB (1)	3.2887	114.5640	BELURU	TINJAR
566	BWA_566	Long Tebanyi	3.2223	114.5600	BELURU	TINJAR
567	BWA_567	Apau Nyaring	3.0870	114.5229	BELURU	TINJAR
568	BWA_568	Long Talah	3.1584	114.5072	BELURU	TINJAR
569	BWA_569	Paong	3.1803	114.5999	BELURU	TINJAR
570	BWA_570	Baram CTB	3.2932	114.5643	BELURU	TINJAR
571	BWA_571	Lapok Bario Road 11	3.2929	114.5345	BELURU	TINJAR
572	BWA_572	Apau Nyaring (1)	3.0637	114.5189	BELURU	TINJAR
573	BWA_573	Long Beruyu	4.1919	115.5744	LAWAS	LAWAS
574	BWA_574	Long Merarap	4.3592	115.4730	LAWAS	LAWAS
575	BWA_575	Long Tuyo	4.4743	115.4829	LAWAS	LAWAS
576	BWA_576	Pa Berunut	4.2012	115.4549	LAWAS	LAWAS
577	BWA_577	Long Sebangang Sukang 2	4.6488	115.4082	LAWAS	LAWAS
578	BWA_578	Long Sukang Long Semado 2	4.4468	115.4740	LAWAS	LAWAS
579	BWA_579	Long Sukang Long Semado 3	4.3561	115.4574	LAWAS	LAWAS
580	BWA_580	Long Sukang Long Semado 4	4.2933	115.5145	LAWAS	LAWAS
581	BWA_581	Long Semado Buduk Bui 2	4.1224	115.5941	LAWAS	LAWAS
582	BWA_582	Long Punang Trusan	4.2549	115.6078	LAWAS	LAWAS
583	BWA_583	Long Tu	4.4714	115.4783	LAWAS	LAWAS
584	BWA_584	Pa Berunut (2)	4.2020	115.4500	LAWAS	LAWAS
585	BWA_585	Ruang Medalam	4.3157	115.4709	LAWAS	LAWAS
586	BWA_586	Long Lapukan	4.2684	115.5208	LAWAS	LAWAS
587	BWA_587	Merarap hotspring	4.3737	115.4377	LAWAS	LAWAS
588	BWA_588	Punang Kelalan	3.9551	115.6157	LAWAS	LAWAS

Cluster C05: Sarawak

State: Sarawak (18 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
589	BWA_589	Long Tails	4.7211	115.3060	LAWAS	TRUSAN
590	BWA_590	Long Pasit	4.0471	115.3150	LIMBANG	NANGA MEDAMIT
591	BWA_591	Long Adang	4.0750	115.3187	LIMBANG	NANGA MEDAMIT
592	BWA_592	Long Keneng	4.0818	115.2823	LIMBANG	NANGA MEDAMIT
593	BWA_593	Long Rayeh (Tepi Sungai)	4.1573	115.2188	LIMBANG	NANGA MEDAMIT
594	BWA_594	Long Sulong	4.1753	115.2161	LIMBANG	NANGA MEDAMIT
595	BWA_595	Long Tegaan	4.1954	115.1978	LIMBANG	NANGA MEDAMIT
596	BWA_596	Long Napir	4.1757	115.1423	LIMBANG	NANGA MEDAMIT
597	BWA_597	Kuala Medalam Long Rayah 3	4.3045	115.1732	LIMBANG	NANGA MEDAMIT
598	BWA_598	Kuala Medalam Long Rayah 4	4.2629	115.2352	LIMBANG	NANGA MEDAMIT
599	BWA_599	Kuala Medalam Long Rayah 1	4.3418	115.0330	LIMBANG	NANGA MEDAMIT
600	BWA_600	Kuala Medalam Long Rayah 2	4.3217	115.0824	LIMBANG	NANGA MEDAMIT
601	BWA_601	Long Lenei	4.0626	114.4935	MARUDI	MARUDI
602	BWA_602	Rh Lansam	4.1916	114.3825	MARUDI	MARUDI
603	BWA_603	Rh Dee	4.2482	114.4019	MARUDI	MARUDI
604	BWA_604	Kg. Bt. Bungan	4.0537	114.8171	MARUDI	MULU
605	BWA_605	Long Iman	3.9960	114.7942	MARUDI	MULU
606	BWA_606	Long Tujang	3.9237	114.6600	MARUDI	MULU
607	BWA_607	North Long Watt	3.9007	114.7069	MARUDI	MULU
608	BWA_608	Long Patan	4.0035	114.4773	MARUDI	MULU
609	BWA_609	Rh Budin	4.5439	114.1542	MIRI	MIRI
610	BWA_610	Rh Fredrick Belaja	4.5876	114.1559	MIRI	MIRI
611	BWA_611	Rh Assam	4.5365	114.1783	MIRI	MIRI
612	BWA_612	Pa Mada	3.5959	115.5269	TELANG USAN	BARIO
613	BWA_613	Batu Patong	3.5433	115.5526	TELANG USAN	BARIO

Cluster C05: Sarawak

State: Sarawak (19 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
614	BWA_614	Pa Tik	3.7245	115.2813	TELANG USAN	BARIO
615	BWA_615	Long Lubang	3.6286	115.2988	TELANG USAN	BARIO
616	BWA_616	Long Kepang	3.3954	115.1775	TELANG USAN	BARIO
617	BWA_617	Long Sabai	3.4733	115.2427	TELANG USAN	BARIO
618	BWA_618	Long Balau	4.0369	115.1016	TELANG USAN	BARIO
619	BWA_619	Pa Ukat	3.7605	115.4892	TELANG USAN	BARIO
620	BWA_620	Kpg Pa Ramapuh A & B	3.7132	115.4436	TELANG USAN	BARIO
621	BWA_621	Long Danau	3.5768	115.5139	TELANG USAN	BARIO
622	BWA_622	Long Metapa	3.1970	115.3074	TELANG USAN	BARIO
623	BWA_623	Long Balang	3.2341	115.3450	TELANG USAN	BARIO
624	BWA_624	Ba Lai	3.4487	115.4420	TELANG USAN	BARIO
625	BWA_625	Long Main	3.4125	115.1720	TELANG USAN	BARIO
626	BWA_626	Long Kerong	3.2854	115.2138	TELANG USAN	BARIO
627	BWA_627	Long Puak	3.2019	115.3636	TELANG USAN	BARIO
628	BWA_628	Ramudu Hulu	3.5537	115.4950	TELANG USAN	BARIO
629	BWA_629	Ba Lai (1)	3.4452	115.4450	TELANG USAN	BARIO
630	BWA_630	Long Main (1)	3.4126	115.1740	TELANG USAN	BARIO
631	BWA_631	Long Lobang	3.6952	115.2790	TELANG USAN	BARIO
632	BWA_632	Long Menging / Long Tarum	3.9407	115.1326	TELANG USAN	BARIO
633	BWA_633	Long Medamut	3.7782	115.2928	TELANG USAN	BARIO
634	BWA_634	Kg. Bario Baru	3.7169	115.4769	TELANG USAN	BARIO
635	BWA_635	Long Sekuan	3.1731	115.4659	TELANG USAN	BARIO
636	BWA_636	Ramudu Hulu (1)	3.5530	115.4950	TELANG USAN	BARIO
637	BWA_637	Kg. Pa Ukat	3.7607	115.4916	TELANG USAN	BARIO
638	BWA_638	Long Tana	3.7265	115.1436	TELANG USAN	LONG BEDIAN

Cluster C05: Sarawak

State: Sarawak (20 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
639	BWA_639	Ba Marong	3.7725	115.0379	TELANG USAN	LONG BEDIAN
640	BWA_640	Long Liwok	3.8839	114.9789	TELANG USAN	LONG BEDIAN
641	BWA_641	Long Leng	3.8058	114.9409	TELANG USAN	LONG BEDIAN
642	BWA_642	Long Taha	3.7265	115.1436	TELANG USAN	LONG BEDIAN
643	BWA_643	Ba Marong (1)	3.7725	115.0378	TELANG USAN	LONG BEDIAN
644	BWA_644	Ba Puak	3.8256	115.0261	TELANG USAN	LONG BEDIAN
645	BWA_645	Long Lesuan / Ludin	3.9368	115.0451	TELANG USAN	LONG BEDIAN
646	BWA_646	Long Ludin	3.9410	115.0586	TELANG USAN	LONG BEDIAN
647	BWA_647	Long Anyin	3.7317	115.1943	TELANG USAN	LONG BEDIAN
648	BWA_648	Long Liwok (1)	3.8488	114.9196	TELANG USAN	LONG BEDIAN
649	BWA_649	Long Daloh	3.5790	114.7569	TELANG USAN	LONG BEDIAN
650	BWA_650	Long Lilim	3.5828	114.8110	TELANG USAN	LONG BEDIAN
651	BWA_651	Long Bedian Long Luteng Road 3	3.6113	114.7386	TELANG USAN	LONG BEDIAN
652	BWA_652	Long Bedian Long Luteng Road 1	3.7050	114.7201	TELANG USAN	LONG BEDIAN
653	BWA_653	Long Kerangan	3.7661	114.8420	TELANG USAN	LONG BEDIAN
654	BWA_654	Long Silang	3.7941	115.0237	TELANG USAN	LONG BEDIAN
655	BWA_655	Long Urang	3.7705	114.9050	TELANG USAN	LONG BEDIAN
656	BWA_656	Long Leng (1)	3.7505	114.9060	TELANG USAN	LONG BEDIAN
657	BWA_657	Long Watt Ulu	3.8716	114.7370	TELANG USAN	LONG BEDIAN
658	BWA_658	Long Silang (1)	3.7951	115.0237	TELANG USAN	LONG BEDIAN
659	BWA_659	Long Leng 2	3.7491	114.9053	TELANG USAN	LONG BEDIAN
660	BWA_660	Long Daloh (1)	3.5760	114.7572	TELANG USAN	LONG BEDIAN
661	BWA_661	Long Nen	3.6802	114.8967	TELANG USAN	LONG BEDIAN
662	BWA_662	Ba Pakan	3.5557	114.8801	TELANG USAN	LONG BEDIAN
663	BWA_663	Long Bedian Long Luteng Road 2	3.6606	114.7145	TELANG USAN	LONG LAMA

Cluster C05: Sarawak

State: Sarawak (21 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
664	BWA_664	Long Kesseh	3.4540	114.5119	TELANG USAN	LONG LAMA
665	BWA_665	Long Lunyim	3.5405	114.5041	TELANG USAN	LONG LAMA
666	BWA_666	Uma Bawang	3.6013	114.4072	TELANG USAN	LONG LAMA
667	BWA_667	Logan Sibong	3.9388	114.4283	TELANG USAN	LONG LAMA
668	BWA_668	Kg. Long Nakan	3.4445	114.4871	TELANG USAN	LONG LAMA
669	BWA_669	Long Bee	2.8384	114.8436	TELANG USAN	TELANG USAN
670	BWA_670	Long Tikan	2.8473	114.8902	TELANG USAN	TELANG USAN
671	BWA_671	Long Jeeh	2.9933	114.9420	TELANG USAN	TELANG USAN
672	BWA_672	Long Semiyang	3.1141	115.1275	TELANG USAN	TELANG USAN
673	BWA_673	Long Spigen	3.2264	115.1981	TELANG USAN	TELANG USAN
674	BWA_674	Data Bila	3.3234	115.0849	TELANG USAN	TELANG USAN
675	BWA_675	Ba Sebateu	3.2043	115.0892	TELANG USAN	TELANG USAN
676	BWA_676	Long Laman	3.1999	115.0192	TELANG USAN	TELANG USAN
677	BWA_677	Ba Ajeng	3.1660	114.9982	TELANG USAN	TELANG USAN
678	BWA_678	Long Selaan	3.0916	115.0872	TELANG USAN	TELANG USAN
679	BWA_679	Long Jeeh (1)	2.9921	114.9443	TELANG USAN	TELANG USAN
680	BWA_680	Long Luding	3.2705	114.6520	TELANG USAN	TELANG USAN
681	BWA_681	Long Julan	3.1060	114.8130	TELANG USAN	TELANG USAN
682	BWA_682	Long Mekaba	2.9351	114.8780	TELANG USAN	TELANG USAN
683	BWA_683	Batu Talang	3.3296	114.5955	TELANG USAN	TELANG USAN
684	BWA_684	Long Apu	3.1402	114.8125	TELANG USAN	TELANG USAN
685	BWA_685	Long Suling	3.2651	114.6656	TELANG USAN	TELANG USAN
686	BWA_686	Sungai Abang	3.3863	114.8516	TELANG USAN	TELANG USAN
687	BWA_687	Long Taan	2.9867	114.9603	TELANG USAN	TELANG USAN
688	BWA_688	Long Akah	3.3821	114.9441	TELANG USAN	TELANG USAN

Cluster C05: Sarawak

State: Sarawak (22 of 22)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
689	BWA_689	Long Seniai	3.4456	114.9638	TELANG USAN	TELANG USAN
690	BWA_690	Ba Abang	3.4956	114.8180	TELANG USAN	TELANG USAN
691	BWA_691	Long Seniai (2)	3.4438	114.9755	TELANG USAN	TELANG USAN
692	BWA_692	Ba' Pengaran Kelian, Ulu Akah, Lellang	3.4220	115.0889	TELANG USAN	TELANG USAN
693	BWA_693	Ba' Pengaran Iman, Lellang	3.4064	115.0719	TELANG USAN	TELANG USAN
694	BWA_694	Long Tap, Baram	3.3340	114.8520	TELANG USAN	TELANG USAN
695	BWA_695	Long Belaong	2.9983	114.9700	TELANG USAN	TELANG USAN
696	BWA_696	Long Kawi	3.4524	114.7508	TELANG USAN	TELANG USAN
697	BWA_697	Long Beku	3.3294	114.8073	TELANG USAN	TELANG USAN
698	BWA_698	Long Jee	2.9881	114.9618	TELANG USAN	TELANG USAN
699	BWA_699	Long Silat	2.9670	114.9280	TELANG USAN	TELANG USAN
700	BWA_700	Long Mekaba (1)	2.9310	114.8842	TELANG USAN	TELANG USAN
701	BWA_701	Long Seniai (1)	3.4423	114.9579	TELANG USAN	TELANG USAN

Cluster C06: Sabah

State: Sabah (1 of 6)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
702	BWA_702	Kg. Bingkulas	5.4889	115.7831	BEAUFORT	BEAUFORT
703	BWA_703	SK Bangkalalak	5.2966	115.5426	BEAUFORT	BEAUFORT
704	BWA_704	Kg. Matanoi	5.4866	116.2485	KENINGAU	KENINGAU
705	BWA_705	Kg. Dongiluang (Bundu)	5.5169	116.2400	KENINGAU	KENINGAU
706	BWA_706	Kg. Sosopon Sook	5.3018	116.0462	KENINGAU	KENINGAU
707	BWA_707	Kg. Rancangan Biah	5.2788	116.1965	KENINGAU	KENINGAU
708	BWA_708	Kg. Inandung	5.0646	116.0722	KENINGAU	KENINGAU
709	BWA_709	Desa Okidville	5.0774	116.2617	KENINGAU	KENINGAU
710	BWA_710	Kg. Rancangan Biah (1)	5.2886	116.1935	KENINGAU	KENINGAU
711	BWA_711	Desa Okidville (1)	5.0794	116.2633	KENINGAU	KENINGAU
712	BWA_712	Sk Kuala Kahaba	5.0104	116.1082	KENINGAU	KENINGAU
713	BWA_713	Kg. Baitah	5.3134	116.2070	KENINGAU	KENINGAU
714	BWA_714	Kg. Marampong	5.3421	116.2461	KENINGAU	KENINGAU
715	BWA_715	Kg. Baitah (1)	5.3018	116.2014	KENINGAU	KENINGAU
716	BWA_716	SK Simbuan Tulid	5.2506	116.4298	KENINGAU	KENINGAU
717	BWA_717	Borneo Jungle Girl	5.4434	116.4515	KENINGAU	KENINGAU
718	BWA_718	SK Pinolobu	6.2588	116.4905	KOTA BELUD	KOTA BELUD
719	BWA_719	Kg. Pogun	6.2272	116.4137	KOTA BELUD	KOTA BELUD
720	BWA_720	Kg. Puhus	6.2597	116.3909	KOTA BELUD	KOTA BELUD
721	BWA_721	Kg. Kibunut	5.9066	116.2274	KOTA KINABALU	KOTA KINABALU
722	BWA_722	Kg. Kibunut (1)	5.9074	116.2280	KOTA KINABALU	KOTA KINABALU
723	BWA_723	Tunku Abdul Rahman Marine Park	5.9760	116.0053	KOTA KINABALU	KOTA KINABALU
724	BWA_724	SK Keronggu Inanam	5.9568	116.1617	KOTA KINABALU	KOTA KINABALU
725	BWA_725	Sarapung	5.9474	116.1381	KOTA KINABALU	KOTA KINABALU
726	BWA_726	Talungan Inanam	6.0236	116.2489	KOTA KINABALU	KOTA KINABALU

Cluster C06: Sabah

State: Sabah (2 of 6)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
727	BWA_727	Sarapung (1)	5.9361	116.1463	KOTA KINABALU	KOTA KINABALU
728	BWA_728	Kg. Kolosunan	5.9446	116.2121	KOTA KINABALU	KOTA KINABALU
729	BWA_729	Kg. Raganan Kiulu Tuaran	6.0371	116.2605	KOTA KINABALU	TUARAN
730	BWA_730	SK Batu Linting	5.4570	115.4542	KUALA PENYU	KUALA PENYU
731	BWA_731	Kg. Kiambor	5.5453	115.5562	KUALA PENYU	KUALA PENYU
732	BWA_732	Pulau Tiga (Survivor Island)	5.7254	115.6539	KUALA PENYU	KUALA PENYU
733	BWA_733	Pekan Pensiangan	4.5403	116.3130	NABAWAN	NABAWAN
734	BWA_734	Kg. Saliku	4.4355	116.5882	NABAWAN	NABAWAN
735	BWA_735	Kg. Sibangali, Pensiangan	4.5100	116.2618	NABAWAN	NABAWAN
736	BWA_736	Kg. Penontomon, Pensiangan	4.8802	116.2646	NABAWAN	NABAWAN
737	BWA_737	Kg. Saliliran, Pensiangan	4.4044	116.2207	NABAWAN	NABAWAN
738	BWA_738	Kg. Babalitan, Pensiangan	4.4509	116.4350	NABAWAN	NABAWAN
739	BWA_739	Kg. Layon	4.8574	116.2647	NABAWAN	NABAWAN
740	BWA_740	Kg. Salinatan, Pensiangan	4.5737	116.2763	NABAWAN	NABAWAN
741	BWA_741	Kg. Pengaraan, Pensiangan	4.7331	116.2223	NABAWAN	NABAWAN
742	BWA_742	Kg. Sasandukon, Pensiangan	4.4806	116.4986	NABAWAN	NABAWAN
743	BWA_743	Batu Punggul	4.6073	116.5877	NABAWAN	NABAWAN
744	BWA_744	Orou Sapulut	4.5811	116.4540	NABAWAN	NABAWAN
745	BWA_745	Tinahas Cave	4.6056	116.6038	NABAWAN	NABAWAN
746	BWA_746	Dinawan Island	5.8463	115.9917	PAPAR	PAPAR
747	BWA_747	Kg. Bolotikon	5.7415	116.0778	PAPAR	PAPAR
748	BWA_748	Kg. Labak	5.8181	116.0714	PAPAR	PAPAR
749	BWA_749	Kg. Buayan Penampang	5.7733	116.1925	PENAMPANG	PENAMPANG
750	BWA_750	Kg. Kibambangan	5.8819	116.1443	PENAMPANG	PENAMPANG
751	BWA_751	Kg. Sarapong	5.9328	116.1492	PENAMPANG	PENAMPANG

Cluster C06: Sabah

State: Sabah (3 of 6)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
752	BWA_752	Kg. Terolobou,	5.9501	116.5088	RANAU	RANAU
753	BWA_753	Kg. Kitai	5.8114	116.6502	RANAU	RANAU
754	BWA_754	Kg. Meligan	4.6807	115.7085	SIPITANG	SIPITANG
755	BWA_755	Kg. Kumawanan	5.8552	116.4743	TAMBUNAN	TAMBUNAN
756	BWA_756	Kg. Monsorulung	5.6027	116.3081	TAMBUNAN	TAMBUNAN
757	BWA_757	Bundu Apin-Apin (1)	5.5253	116.2418	TAMBUNAN	TAMBUNAN
758	BWA_758	Kg. Kuala Monsok	5.5900	116.3204	TAMBUNAN	TAMBUNAN
759	BWA_759	Kg. Monsorulung (1)	5.6031	116.3065	TAMBUNAN	TAMBUNAN
760	BWA_760	Bundu Apin-Apin	5.5331	116.2398	TAMBUNAN	TAMBUNAN
761	BWA_761	Kg. Kuala Monsok (1)	5.5888	116.3224	TAMBUNAN	TAMBUNAN
762	BWA_762	Kg. Kiawayan	5.6355	116.3270	TAMBUNAN	TAMBUNAN
763	BWA_763	Salt Trail	5.6603	116.2507	TAMBUNAN	TAMBUNAN
764	BWA_764	Kg. Bakuku	4.6602	115.8600	TENOM	TENOM
765	BWA_765	Gunung Trusmadi	5.5495	116.5165	TONGOD	KENINGAU
766	BWA_766	Mount Trus Madi	5.5500	116.5167	TONGOD	KENINGAU
767	BWA_767	Kg. Sinaron	5.4603	116.5782	TONGOD	KENINGAU
768	BWA_768	Agropolitan Lalampas	5.4355	116.7591	TONGOD	TONGOD
769	BWA_769	Kg. Borombon Kiulu Tuaran	6.0091	116.2720	TUARAN	TUARAN
770	BWA_770	Kg. Tobobon Tuaran	5.8906	116.3776	TUARAN	TUARAN
771	BWA_771	Kg. Sungoi Tuaran	5.8783	116.3717	TUARAN	TUARAN
772	BWA_772	SK Linungkuan	6.2383	116.3662	TUARAN	TUARAN
773	BWA_773	SK Sambah	6.2437	116.2902	TUARAN	TUARAN
774	BWA_774	Kg. Monggis	6.2422	116.3869	TUARAN	TUARAN
775	BWA_775	SK Kayangat Tenghilan	6.2514	116.3719	TUARAN	TUARAN
776	BWA_776	SK St. James	6.2478	116.3485	TUARAN	TUARAN
777	BWA_777	Klinik Kg. Kuwotuon	6.2562	116.3652	TUARAN	TUARAN

Cluster C07: Sabah

State: Sabah (4 of 6)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
778	BWA_778	Pejabat Perhutanan Timimbang	6.0693	117.2502	BELURAN	BELURAN
779	BWA_779	SK Binsulung	6.2794	117.3171	BELURAN	BELURAN
780	BWA_780	Kg. Lingkabau Area	6.1658	117.1976	BELURAN	BELURAN
781	BWA_781	Pulau Lankayan	6.5061	117.9179	BELURAN	BELURAN
782	BWA_782	Pulau Tegipil	6.5480	117.7206	BELURAN	BELURAN
783	BWA_783	Pulau Billean	6.6119	117.7677	BELURAN	BELURAN
784	BWA_784	Pos Platun Pga Tek Kuala Mamahat	6.5031	117.5968	BELURAN	BELURAN
785	BWA_785	Pejabat Perhutanan Timimbang (1)	6.0691	117.2506	BELURAN	BELURAN
786	BWA_786	Danau Girang Field Centre	5.4137	118.0378	KINABATANGAN	KINABATANGAN
787	BWA_787	SK Amalania	5.3474	118.3928	KINABATANGAN	KINABATANGAN
788	BWA_788	Danau Girang Field Centre (1)	5.4128	118.0388	KINABATANGAN	KINABATANGAN
789	BWA_789	Kg. Dudar Ulu	6.5809	116.5804	KOTA BELUD	KOTA BELUD
790	BWA_790	Kg. Gontoi	6.3932	116.6465	KOTA MARUDU	KOTA MARUDU
791	BWA_791	Kg. Tompinatau	6.4925	116.6921	KOTA MARUDU	KOTA MARUDU
792	BWA_792	Kg. Sungai Darat 1	6.5062	116.6637	KOTA MARUDU	KOTA MARUDU
793	BWA_793	SK Magandai	6.4318	117.0469	KOTA MARUDU	KOTA MARUDU
794	BWA_794	Kg. Tagumamal Darat	6.7606	116.8411	KUDAT	KUDAT
795	BWA_795	Kg. Mompilis	6.7091	116.7608	KUDAT	KUDAT
796	BWA_796	Kg. Tagumamal Darat (1)	6.7616	116.8441	KUDAT	KUDAT
797	BWA_797	Kg. Selangan	7.2553	117.2531	KUDAT	KUDAT
798	BWA_798	Kg. Tambising	7.2122	117.2029	KUDAT	KUDAT
799	BWA_799	Maliangin Resort	7.0860	117.0407	KUDAT	KUDAT
800	BWA_800	Sekolah Jenis Kebangsaan (Cina) Lok Yuk Pinangsoo Kudat	6.9302	116.8174	KUDAT	KUDAT
801	BWA_801	Tampakan Fish Farm	6.8477	116.8528	KUDAT	KUDAT

Cluster C07: Sabah

State: Sabah (5 of 6)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
802	BWA_802	Tasik Impian, Mostyn	4.6586	118.1660	KUNAK	KUNAK
803	BWA_803	Blue Ring (Diving Site)	4.8545	118.2663	KUNAK	KUNAK
804	BWA_804	Madai Cave	4.7184	118.1533	KUNAK	KUNAK
805	BWA_805	Virgin Jungle Reserve Kapur River	5.3490	118.9498	LAHAD DATU	KINABATANGAN
806	BWA_806	Silumpat & Tabawan Island (Diving Site)	4.7967	118.3878	LAHAD DATU	LAHAD DATU
807	BWA_807	Darvel Bay	4.7622	118.3895	LAHAD DATU	LAHAD DATU
808	BWA_808	Danum Valley Conservation Area	4.9600	117.6820	LAHAD DATU	LAHAD DATU
809	BWA_809	Sapagaya Waterfall	4.9792	118.1131	LAHAD DATU	LAHAD DATU
810	BWA_810	Perpaduan Skim Bagahak	5.0647	118.7338	LAHAD DATU	LAHAD DATU
811	BWA_811	Tabin Wildlife Reserve	5.2144	118.7197	LAHAD DATU	LAHAD DATU
812	BWA_812	Tabin Wildlife Reserve (1)	5.2168	118.6563	LAHAD DATU	LAHAD DATU
813	BWA_813	SK Pinapak Pitas	6.5974	117.0267	PITAS	PITAS
814	BWA_814	Kg. Maliau Layung	6.5806	117.0413	PITAS	PITAS
815	BWA_815	Kg. Tukar	6.6102	117.1306	PITAS	PITAS
816	BWA_816	Kg. Gumpa	6.8583	117.1084	PITAS	PITAS
817	BWA_817	Kg. Sinogindai	6.6259	116.9505	PITAS	PITAS
818	BWA_818	Floating Coral Bar Island, Malubang Village	6.9793	117.0730	PITAS	PITAS
819	BWA_819	SK Langsat	6.0502	116.7979	RANAU	RANAU
820	BWA_820	SK Kg. Baru	5.7914	117.9313	SANDAKAN	SANDAKAN
821	BWA_821	SK Terusan Baru	5.7945	117.9203	SANDAKAN	SANDAKAN
822	BWA_822	Kapalai Island	4.2240	118.6841	SEMPORNA	SEMPORNA
823	BWA_823	Mataking Island	4.5765	118.9489	SEMPORNA	SEMPORNA
824	BWA_824	Ladang Agathis	4.7275	117.5240	TAWAU	TAWAU
825	BWA_825	Ladang Binuang	4.6984	117.4858	TAWAU	TAWAU

Cluster C07: Sabah

State: Sabah (6 of 6)

No	SITE ID	SPECIFIED LOCATION IN THE UST	LATITUDE	LONGITUDE	DISTRICT	UST
826	BWA_826	Pejabat Felda Kalabakan Selatan	4.2705	117.5192	TAWAU	TAWAU
827	BWA_827	Kg. Serudong Laut	4.2530	117.4340	TAWAU	TAWAU
828	BWA_828	Ulu Kalabakan	4.3095	117.3812	TAWAU	TAWAU
829	BWA_829	Ladang Agathis (1)	4.7347	117.5330	TAWAU	TAWAU
830	BWA_830	Ulu Kalabakan (1)	4.3077	117.3824	TAWAU	TAWAU
831	BWA_831	Ladang Selangan Batu	4.6474	117.4498	TAWAU	TAWAU
832	BWA_832	Pejabat Perhutanan Deramakot	5.3669	117.4295	TONGOD	TONGOD
833	BWA_833	Sg. Lokan Kinabatangan (Felcra)	5.5466	117.3919	TONGOD	TONGOD
834	BWA_834	Ladang Kapur	4.7427	117.4751	TONGOD	TONGOD
835	BWA_835	Ladang Ramin	4.6937	117.3920	TONGOD	TONGOD
836	BWA_836	Ladang Kapur (1)	4.7464	117.4742	TONGOD	TONGOD
837	BWA_837	Tingkar Waterfall	5.3038	117.0737	TONGOD	TONGOD
838	BWA_838	Jalan Pinangah Forest Reserve	5.3229	117.1164	TONGOD	TONGOD
839	BWA_839	Kg. Karamuak	5.2832	117.2113	TONGOD	TONGOD

APPENDIX 2 – REGISTRATION OF INTEREST FORM

[To be printed on Interested Licensee's Letterhead]

REGISTRATION OF INTEREST

To: **MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION**
MCMC Centre of Excellence (CoE), Off Persiaran Multimedia
63000 Cyberjaya, Selangor
(Attention: Tender Secretariat)

Date:

Dear Sirs,

**REGISTRATION OF INTEREST TO BE UNIVERSAL SERVICE PROVIDER FOR
THE INSTALLATION AND DEPLOYMENT OF NETWORK FACILITIES AND
NETWORK SERVICE FOR THE PROVISIONING OF BROADBAND ACCESS
DELIVERY THROUGH SATELLITE CONNECTIVITY AT THE UNIVERSAL
SERVICE TARGETS UNDER THE USP INITIATIVE**

Reference is made to the above and to the "Invitation to Register Interest as a Universal Service Provider – Ref. no. MCMC/USPD/PDUD(01)/BROADBAND_2021/TC/03/2021(03) ("Invitation") issued by MCMC.

We hereby register our interest to be the Universal Service Provider pursuant to Regulation 5(1) of the Communications and Multimedia (Universal Service Provision) Regulations 2002 ("USP Regulations") in the Universal Service Targets specified below:

- a) Cluster No. xx / State: xx
- b) Cluster No. xx / State: xx

We are also aware that pursuant to regulation 6(1) of the USP Regulations, we are legally obliged to submit the Draft Universal Service Plan(s) for the Universal Service Target chosen above on or before the time frame specified in the Invitation.

Signed for and on behalf of

.....
by *[to be signed by the Chief Executive Officer or a person who holds an equivalent designation in the Interested Licensee]*

APPENDIX 3 – LICENSEE’S INFORMATION

1. A proposal for a fair usage policy for the population at each location that benefits from the free Wi-Fi service provided under this Project. This proposal must be substantiated with data on the population numbers, usage patterns and population distribution.
2. Certified true copy of NFP(I), NSP(I) and ASP(C) licences issued under the Act. As an alternative for the purposes of provisioning the Internet access services under an ASP(C) licence, the Interested Licensee must be able to provide evidential substantiation of a partnership arrangement with an existing ASP(C) licensee that is licensed, and has a track record of providing internet access services to end users.
3. Certified true copy of the latest corporate information issued by the Companies Commission of Malaysia namely SSM e-info, which include but not limited to the information as follows:
 - a) Company name and company registration number;
 - b) Date of incorporation;
 - c) Registered and business address;
 - d) Total issued capital (RM);
 - e) Directors and shareholders; and
 - f) Summary of financial information.
4. Website.
5. Date of commencement of operations.
6. Identity of collaboration partner (if applicable).
7. Number of employees.
8. Financial details:
 - a) Revenue (RM)
 - b) Assets (RM):
 - c) Liabilities (RM):
 - d) Net Worth (Assets – Liabilities) (RM):
9. Certified true copy of bank statements for the past three (3) consecutive months.

10. Certified true copy of an audited accounts for the past two (2) consecutive financial years.
11. Track record and relevant experience in projects related to the provisioning of broadband access services (to provide evidential substantiation such as Letters of Award / Purchase Orders etc.) as shown in the table below:

No.	Project name	Role played	Client(s)	Scope of work	Delivery timeline / year	Project value (RM)
1.		<i>e.g: main / subcontractor</i>				

12. Brief information of project management team as shown in the table below:

No.	Name	Position and roles in the team	Experience (no. of years – relevant to this Project)	Certification (relevant to this Project)	Remarks

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APPENDIX 4 – SCOPE OF DRAFT UNIVERSAL SERVICE PLAN

TECHNICAL PROPOSAL

SECTION	DESCRIPTION																											
SECTION A	EXECUTIVE SUMMARY FOR CLUSTER NO.#																											
	Overview of the technical proposal.																											
SECTION B	TECHNICAL PROPOSAL FOR CLUSTER NO.#																											
B1	Summary of the technical proposal.																											
	<table border="1"> <thead> <tr> <th>No.</th><th>State</th><th>Site ID & site name</th><th>UST</th><th>Compound size (m) (L x W)</th><th>Tower height (m)</th><th>Type of power supply</th><th>No. of population</th><th>No. of Access Point</th></tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	No.	State	Site ID & site name	UST	Compound size (m) (L x W)	Tower height (m)	Type of power supply	No. of population	No. of Access Point																		
	No.	State	Site ID & site name	UST	Compound size (m) (L x W)	Tower height (m)	Type of power supply	No. of population	No. of Access Point																			
	<i>Note: The summary of information in the table must match with the detailed information submitted in the Draft Universal Service Plan</i>																											
B2	Please attach the proposed <u>BOQ for each location without name and price.</u> Failure to comply with this requirement may result in the disqualification of the Interested Licensee's submission.																											
B3	<p>1. The proposed network dimensioning for all identified locations in Appendix 1 of this Invitation shall be as follows:</p> <ul style="list-style-type: none"> a) Throughput - the average throughput of 35Mbps per user during all three (3) peak hours as defined below: <ul style="list-style-type: none"> i. 7.00am - 10.00am ii. 2.00pm - 3.00pm iii. 8.00pm - 10.00pm b) Subscribers - target 60% of the subscribers within the identified UST location to get average throughput of 35Mbps c) Network availability - must be at least 98% of the time in a year, excluding any scheduled downtime <p>2. Network topology for interoperability and interconnection for the overall network.</p> <ul style="list-style-type: none"> a) Location of satellite hub and satellite provider; b) Spectrum usage for satellite backhaul transmission; and c) Other information deemed necessary. 																											

FINANCIAL PROPOSAL

Note:

All pages of the “ORIGINAL” Financial Proposal of the Draft Universal Service Plan shall be duly initialled and affixed with the company rubber stamp of the Interested Licensee.

SECTION	DESCRIPTION
SECTION A	EXECUTIVE SUMMARY FOR CLUSTER NO.#
A	Overview of the financial proposal.
SECTION B	FINANCIAL PROPOSAL FOR CLUSTER NO.#
B1	Summary of the financial proposal: Please refer to Appendix 5 of this Invitation. The financial proposal template to be duly signed and stamped by the Chief Executive Officer (CEO), or a person who holds an equivalent designation in the Interested Licensee.
B2	Please attach the proposed BOQ for each location.
SECTION C	OTHER INFORMATION
	Other information deemed necessary.

APPENDIX 5 – TEMPLATE FOR FINANCIAL PROPOSAL

Detailed cost to design, supply and install broadband access infrastructure and its ancillaries:

Capital Expenditure (CAPEX)

No.	Site ID and site name	General and preliminaries (RM)	Project management (RM)	Equipment and antenna system(s) (RM)	Power supply (RM)	Interoperability cost (RM)	Any other relevant cost (RM)	Total (RM)
<i>Please provide detailed and complete breakdown of all items*</i>								

Note: All prices shall be inclusive of any applicable tax imposed by the Government. All sites must have a project signage erected. The signage should specify the details of the service provider, a hotline number and the expected timeline for project delivery. The cost for the signage at each site shall be borne by the Designated Universal Service Provider (not claimable from the USP Fund).

**To be itemised explicitly and clearly*

Operational Expenditure (OPEX)

No.	Site ID and site name	Site rental (RM)	Permit fee(s) (RM)	Backhaul (RM)	Apparatus assignment fee(s) (RM)	Preventive/ corrective operations & maintenance (RM)	Power supply (RM)	Any other relevant cost (RM)	Total (RM)
<i>Please provide detailed and complete breakdown of all items*</i>									

Note: All prices shall be inclusive of any applicable tax imposed by the Government

**To be itemised explicitly and clearly*

Signed for and on behalf of

.....

by [to be signed by the Chief Executive Officer or a person who holds an equivalent designation in the Interested Licensee]

APPENDIX 6 – CLAIM SCHEDULE

All claims shall be made pursuant to the USP Regulations and shall be based on the relevant percentage of progress and the fulfilment of the conditions stipulated below:

Milestone No.	Claim (%)	Description	Conditions
Capital Expenditure (“CAPEX”)			
1.	15	Advance Payment Claim	Submission of written claim(s) shall be in the form and format specified by the Commission and shall be made upon: a) Receipt of Designated Universal Service Provider’s acceptance of the Notification of Approval; and b) Acceptance of the Performance Bond by the Commission.
2.	75	First Progress Payment Claim	Submission of written claim(s) shall be upon: a) Completion of deployment and installation of the broadband access infrastructure and its ancillaries; b) The site being confirmed “on air” and available for use by the end user; and c) Submission of the Declaration of the completion of work for Milestone No. 2 at the relevant location.
3.	10	Final Payment Claim	Submission of written claim(s) shall be upon: a) Six (6) months from the submission of the Declaration of completion of work for Milestone No. 2 above; and b) The submission of the final payment claim(s) shall also be accompanied by a declaration of an external licensed auditor appointed by the Designated Universal Service Provider to certify that the Work has been delivered and that all claims made have been verified to be accurate and true.
Total	100		

Milestone No.	Claim (%)	Description	Conditions
Operational Expenditure (“OPEX”)			
4.	100	Quarterly Payment Claim [throughout the period of two (2) years Operational Period]	Submission of the quarterly claim(s) shall be in the form and format specified by the Commission and accompanied by a Declaration made by the Designated Universal Service Provider.

Note:

The submission of yearly claim(s) pursuant to regulation 20 of the USP Regulations shall be accompanied by an audited income and expense statement for the Project, based on the International Standards on Auditing (ISA) as specified in subparagraph 3.20.2 of this Invitation.

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