



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**

**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 *JALINAN DIGITAL NEGARA (JENDELA) 2* INITIATIVE**

Ref. no.: SKMM/USPD/UPD/190_JEN2/Invitation(J2/BWA/2026)

Date : 31 March 2026

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ABBREVIATIONS

AAA	-	Authentication, Authorisation, and Accounting
NHP	-	Neutral Host Platform
AP	-	Access Point
ASP(C)	-	Applications Service Provider (Class) Licence
BOQ	-	Bill of Quantities
BWA	-	Broadband Wireless Access
CIDB	-	Construction Industry Development Berhad
DDP	-	Delivered Duty Paid
DM	-	Disconnect Message
DUSP	-	Designated Universal Service Provider
EAP	-	Extensible Authentication Protocol methods (AKA/AKA'/SIM)
EPC	-	Evolved Packet Core
FPX	-	Financial Process Exchange
HSS	-	Home Subscriber Server
ISO 27001	-	Information Security Management standard
JENDELA	-	<i>Jalinan Digital Negara</i>
KPI	-	Key Performance Indicator
LBO	-	Local Breakout
LD	-	Liquidated Damages
MCMC	-	Malaysian Communications and Multimedia Commission
MNO	-	Mobile Network Operator
NACSA	-	National Cyber Security Agency (Malaysia)
NFP(I)	-	Network Facilities Provider (Individual) Licence
NHP	-	Neutral Host Platform
NOC	-	Network Operations Centre
NSP(I)	-	Network Service Provider (Individual) Licence
OCS	-	Online Charging System
OPEX	-	Operating Expenditure
PAM	-	Privileged Access Management
RFS	-	Ready for Service
RMA	-	Return Merchandise Authorization
S-NOC	-	Secured Network Operations Centre
SoC	-	Technical Statement of Compliance
USP	-	Universal Service Provision
USP Fund	-	Universal Service Provision Fund
UST	-	Universal Service Target
WLC	-	Wireless LAN Controller

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 Communications and Multimedia Act 1998 [Act 588], all subsidiary legislation and instruments issued, made or given by the Minister or the Commission.

- a) "AAA" means the Designated Universal Service Provider deploying the Authorisation, Authentication, and Accounting Platform as defined in the scope to deploy the centralised neutral host platform for mobile offload services.
- b) "Act" means the Communications and Multimedia Act 1998 [Act 588].
- c) "Approved Cost" means the total cost approved by the Commission for the implementation of the Universal Service Plan by the Designated Universal Service Provider in accordance with USP Regulations 2002.
- d) "Approved Universal Service Plan" means the Draft Universal Service Plan (as defined herein) that has been approved by the Commission as specified under regulation 8 of the USP Regulations.
- e) "Bill of Quantities or BOQ" means a prescribed document provided by the Commission as detailed in **Appendix 7** 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 amounts shown in the BOQ shall represent the total cost for each site in every cluster.
- f) "BWA" means Broadband Wireless Access solution that encompasses Wi-Fi Access Points, Point-to-Point/Multipoint Radio, Switches and Routers that form the overall components for Wi-Fi based access technology.
- g) "Commission" means the Malaysian Communications and Multimedia Commission established under the Malaysian Communications and Multimedia Commission Act 1998 [Act 589].
- h) "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.
- i) "Completion Report" means a report to be compiled and maintained by the Designated Universal Service Provider on the completion of Work (as defined herein) for each location (as defined herein) for at least 7 years from the submission of the Declaration (as defined herein).
- j) "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.

- k) “Designated Universal Service Provider” (herein after referred to as DUSP) means any Interested Licensee designated by the Commission under regulation 9 of the USP Regulations pursuant to this Invitation.
- l) “Government” means the Government of Malaysia.
- m) “Interested Licensee” means any person who holds a valid Licence(s) under the Act, meets the eligibility criteria set pursuant to sub regulation 5(2) (ga) of the USP Regulations, and registers its interest to respond to this Invitation.
- n) “Location” means the specific site identified by the Commission where the DUSP is required to install, deploy, and commission the infrastructure and services in accordance with the Approved Universal Service Plan.
- o) “MNO” means Malaysian Mobile Network Operators operating in Malaysia and have their own EPC Core and Mobile Subscriber base.
- p) “Mobile Offload” means features in broadband wireless access solutions under the JENDELA 2 project that allow users to seamlessly connect to Wi-Fi networks while using their existing mobile data packages from MNO.
- q) “Neutral Host Platform” is a shared network infrastructure that allows multiple mobile operators to use the same Wi-Fi infrastructure.
- r) “Satellite Provider” means the technology and satellite owners of a Satellite service.
- s) “Satellite Terminal” means the Satellite Hardware and its related components that are needed to be installed at the site, and shall include Satellite Antenna, Mounting Brackets, Cloud Managed Router, Power Supply and Related Cables and Accessories.
- t) “State” refers to any of the thirteen (13) constituent states of Malaysia as defined under the Federal Constitution of Malaysia.
- u) “USP Regulations” means the Communications and Multimedia (Universal Service Provision) Regulations 2002.
- v) “Work” means the entire scope of work or services to be undertaken and completed by the DUSP 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 the Universal Service Targets under Notification Ref. No: NT/USP/2/02, Ref. No: NT/USP/1/04, Ref. No: NT/USP/08/01, Ref. No: NT/USP/01/11, and Ref. No: NT/USP/01/21 respectively.
- 1.3. This Invitation is made pursuant to subregulations 3(1), 5(1) and 5(2) of the USP Regulations (herein after referred to as "Invitation") to invite interested and eligible Licensees to register their interest to be the universal service provider for the provisioning of broadband access services through the satellite connectivity ("**Project**") for the location(s) specified in **Appendix 1** of this Invitation. No change of location(s) is permissible under this Invitation.
- 1.4. This Project aims to expand broadband coverage and address service provisioning requirements in extremely remote areas with very low population density, where fibre and other terrestrial connectivity solutions are unavailable or difficult to deploy and maintain.
- 1.5. 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.
- 1.6. The Interested Licensee is required to propose to the Commission the best network and capacity 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.

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:

Part 1

2.1.1. To design, supply, install, and commission broadband wireless access infrastructure and its ancillaries for the provisioning of broadband access services;

2.1.2. To undertake the operation of network service equipment and services related to the provisioning of broadband access service through satellite connectivity; and

2.1.3. To implement and manage the charging mechanism for broadband access services, including the administration of payment collection and user access control via a captive portal, in accordance with the requirements and directions issued by the Commission.

Part 2

2.1.4. To design, supply, install, test, and commission Wi-Fi AAA Neutral Host Platform within the Malaysia Public/Private Cloud Environment;

2.1.5. To perform integration to mobile network operators' Evolved Packet Core components, such as Home Subscriber Server (HSS), Authentication, Authorisation and Accounting (AAA), and Online Charging System (OCS) over Diameter protocol to perform Authentication and Charging of SIM Cards; and

2.1.6. To establish and operate an integrated monitoring platform for the purpose of real-time monitoring, tracking and reporting of users, traffic, sessions and other relevant performance metrics of the Project.

2.2. The DUSP for Part 1 and Part 2, respectively, shall communicate, coordinate, and cooperate in a professional manner in undertaking and executing this Project for the designated cluster(s).

2.3. In undertaking this Project, the DUSPs shall comply with the Act, any subsidiary legislation made under the Act, including but not limited to the USP Regulations, other regulatory instruments published by the Commission, e.g. Standard Radio System Plan(s), Mandatory Standard(s), Technical Code(s), guidelines or regulatory policies issued, made or given under the Act, including any amendment(s) or replacement(s) enacted thereafter.

3. GENERAL SCOPE OF WORK FOR PART 1 AND PART 2

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

Technical Requirements for Part 1

3.2. In preparing a comprehensive technical proposal for this Project, the Interested Licensee shall study the documents¹, undertake site surveys and 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 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.

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

3.4.1. The exact latitude and longitude for each broadband access infrastructure and its ancillaries that is proposed to be deployed;

3.4.2. The population coverage and distribution within the identified UST that will be served by the broadband access services;

3.4.3. The proposal of a comprehensive capacity dimensioning and bandwidth planning strategy to ensure sustainable performance, service reliability, and scalability in meeting projected user demand throughout the Operational Period, which includes but is not limited to the following;

¹ Documents provided in this Invitation are the Site Survey Report, Drawings, Bill of Quantities, and Technical Specifications.

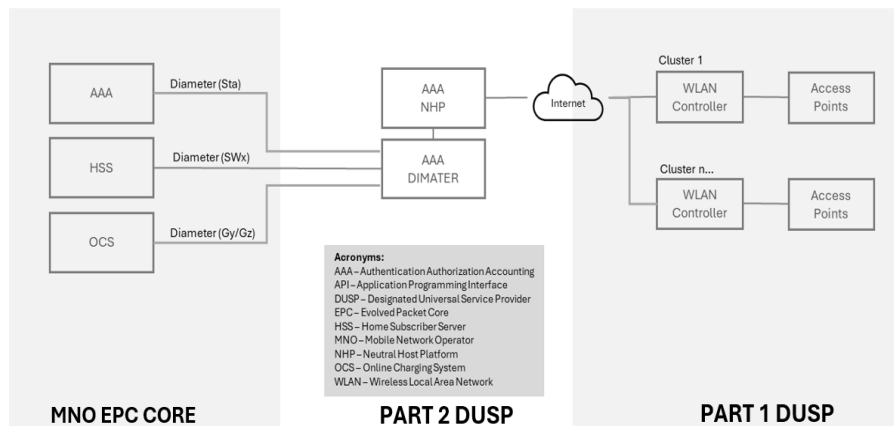
- 3.4.3.1. Provisioning of internet access service solutions with an average speed of 10Mbps per user, with high availability, and shall be maintained throughout the OPEX period. The latency shall always be averaged below 50ms;
 - 3.4.3.2. Ensure that the bandwidth capacity dimensioning is sufficient for the usage of the population at the said location(s) for 24 hours per day, 7 days a week;
 - 3.4.3.3. Support specifications, protocols, and relevant services currently being used and offered by internet access service providers;
 - 3.4.3.4. Detailed description of the proposed solution, which shall include the network topology and diagram(s) for the backhaul transmission, control station(s), hub station(s) and the network monitoring system; and
 - 3.4.3.5. Captive Portal functionality, including supported authentication options, user access flows, and integration capability with Malaysian payment gateways for commercial charging where applicable.
 - 3.4.4. The source of power supply to be utilised **shall prioritise the use of commercial power supply (CPS)** where available. In the event that CPS is not available or feasible, the Interested Licensee may utilise alternative energy sources (e.g. solar power supply). The Interested Licensee is strongly encouraged to adopt sustainable energy source(s) where practicable.
- 3.5. Comprehensive deployment plan for service activation, operation and maintenance of the broadband wireless access infrastructure and connectivity throughout the Operational Period.
- 3.6. The DUSPs shall be required to comply with all applicable laws, regulations, and statutory requirements that are legally binding in the respective States and local jurisdictions where the sites are located. This includes, but is not limited to, obtaining all necessary permits, approvals, and clearances from the relevant local authorities, building owners, and other relevant stakeholders prior to the commencement of any works.

Technical Requirements for Part 2

3.7. The Interested Licensee shall identify optimal cloud service providers for the deployment of the Wi-Fi AAA platform and its related components on the cloud environment. These assessments aim to ensure cost-effective subscription to network services and efficient delivery of mobile offload services at all locations nationwide. The planning must consider the population expected user authentication transaction per second and service demand at each location to optimise performance and platform utilisation.

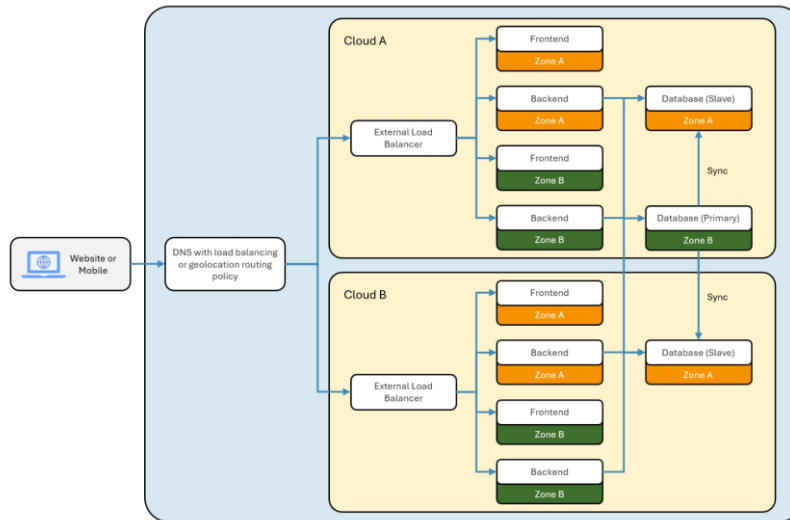
3.8. In relation to the above, the Interested Licensee shall be required to submit the following information in its Draft Universal Service Plan:

3.8.1. Details of the proposed Malaysia-based cloud hosting arrangement and the overall EPC Core integration architecture with Malaysian MNO. Refer to the reference diagram below.



3.8.2. A description of the diameter-based authentication and charging integration framework with Malaysian MNOs, including support for SIM-based authentication mechanisms for 4G/5G services.

3.8.3. The proposed platform sizing methodology, including projected authentication capacity and concurrent session handling, together with scalability and expansion capability to support future growth and additional sites. Refer to the reference diagram below.



3.8.4. A description of the proposed Platform-as-a-Service (PaaS) model, including secure multi-tenancy features that enable Part 1 DUSPs to perform self-administration, monitoring, and reporting within its respective domains.

3.8.5. The reference on detailed integration method and experience in integrating to Malaysia or overseas MNOs with case studies on recent deployment/showcases for the last three (3) years.

3.8.6. Technical compatibility and integration capability with multi-brand Wireless LAN Controllers and Access Points for authentication and Mobile Offload services in compliance with applicable standards.

3.8.7. Details of the proposed Network Operation Centre (NOC) to monitor all sites, including real-time visibility of site status, authentication performance, traffic utilisation, and data consumption, with a centralised dashboard and role-based access control.

3.8.8. Reporting, monitoring, and analytics capabilities, which include user authentication statistics, traffic usage, session data and payment transactions, with role-based access controls.

Technical Requirements for Part 1 and Part 2

3.9. The Interested Licensee shall refer to the Bill of Quantities (BOQ) format (**Appendix 7**), Drawings (**Appendix 8**), and Technical Statement of Compliance (**Appendix 9**), provided in this Invitation for information only. These documents are intended to serve as reference materials to assist in the planning and proposal process of the Project.

- 3.10. The Interested Licensee shall propose a solution as specified in the BOQ for the Project and shall accordingly complete the BOQ with the prices for the proposed solution stipulated therein, ensuring that the chosen configurations are fit-for-purpose, cost-effective, competitively priced, and technologically and environmentally sustainable. These selections must aim to optimise the efficiency of investments made via the USP Fund.
- 3.11. All proposals made by the Interested Licensee shall be at their own risk, and the Commission shall not be liable for any cost overruns, technical incompatibilities, or performance shortfalls arising from the Licensee’s chosen solutions.
- 3.12. The contract to be awarded pursuant to this Invitation shall be on a fixed-price, lump sum basis. The total Approved Cost shall cover the full and complete performance of all works, services, obligations, and requirements set out in this Invitation, including all incidental and ancillary work necessary to deliver a fully operational solution, whether or not expressly described in the General Terms and Conditions.
- 3.13. The Interested Licensee shall propose 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 not be 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.

4. DETAILED SCOPE OF WORK FOR PART 1 DUSP

- 4.1. The Part 1 DUSP shall be responsible for, but not limited to, the following:

No.	Detailed scope of work
1.	Conduct actual site surveys and site evaluations for the finalisation of all sites and specifications(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.
4.	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

No.	Detailed scope of work												
	day, seven (7) days a week).												
5.	Installation of broadband wireless access infrastructure and its ancillaries in accordance with the Approved Universal Service Plan.												
6.	Provision of a shared data pool of 4TB per site location and supporting an average end-user speed of 10Mbps, for the Wi-Fi solution,												
7.	The network and transmission shall be designed to support the required capacity for broadband access services.												
8.	Install, configure, and commission the broadband wireless access equipment and services, inclusive of Wi-Fi access systems, integration readiness for Mobile Offload services.												
9.	Integrate with the AAA Neutral Host Platform for authentication, authorisation, and accounting functions, enabling SIM-based authentication and Mobile Offload services over Wi-Fi.												
10.	<p>Implement a captive portal to enable user access to broadband access service, including user authentication, session management, and access control, and incorporate a Fair Usage Policy (FUP) on the following:</p> <ul style="list-style-type: none"> • Provision of free internet access with a maximum data quota of up to 5GB per user, per site location on a monthly basis; and • Upon reaching the allocated quota, users shall have the option to continue access through a coupon-based mechanism, allowing the purchase and allocation of additional data. The packages to be offered by the DUSP shall follow the price as specified in the table below: <table border="1" data-bbox="480 1357 1366 1541"> <thead> <tr> <th data-bbox="480 1357 748 1406">Quota</th> <th data-bbox="748 1357 1056 1406">Price</th> <th data-bbox="1056 1357 1366 1406">Validity Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="480 1406 748 1449">1GB</td> <td data-bbox="748 1406 1056 1449">RM 9.00</td> <td data-bbox="1056 1406 1366 1449">30 days</td> </tr> <tr> <td data-bbox="480 1449 748 1491">3GB</td> <td data-bbox="748 1449 1056 1491">RM25.00</td> <td data-bbox="1056 1449 1366 1491">30 days</td> </tr> <tr> <td data-bbox="480 1491 748 1541">6GB</td> <td data-bbox="748 1491 1056 1541">RM40.00</td> <td data-bbox="1056 1491 1366 1541">30 days</td> </tr> </tbody> </table>	Quota	Price	Validity Period	1GB	RM 9.00	30 days	3GB	RM25.00	30 days	6GB	RM40.00	30 days
Quota	Price	Validity Period											
1GB	RM 9.00	30 days											
3GB	RM25.00	30 days											
6GB	RM40.00	30 days											
11.	Testing and commissioning of the entire BWA infrastructure and network.												
12.	The Completion Report shall be submitted by the DUSP upon request by the Commission. When a particular site location is declared to be “on air”, the DUSP shall furnish the Commission with a self-declaration signed by its Chief Executive Officer or a person who holds an equivalent designation in the DUSP 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.												

No.	Detailed scope of work
13.	Undertake operations and maintenance for two (2) years (“ Operational Period ”) when a particular site location is declared to be “on air”.

- 4.2. Ensure that the bandwidth capacity dimensioning is sufficient for the usage of the population at the said location(s) 24 hours per day, 7 days a week.
- 4.3. Support specifications, protocols, and relevant services currently being used and offered by internet access service providers.
- 4.4. Ensure that the usage of the spectrum for the provisioning of broadband access service through satellite 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.
- 4.5. The DUSP shall provide uninterrupted permanent power supply from the power supply provider, i.e. SEB, SESB, or TNB, which includes 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 an uninterrupted power supply and ensure the availability of services at all times.
- 4.6. The DUSP shall ensure continuous and uninterrupted broadband access services for 24 hours per day, 7 days a week.
- 4.7. The DUSP 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 broadband access service through satellite connectivity to end users, where required.

Warranty and Insurance

- 4.8. The DUSP shall be responsible to provide warranties and insurance for the items stipulated below:

Warranty

- 4.9. The DUSP shall be responsible to provide warranties for all the network

facilities and network service equipment for the broadband wireless access services for two (2) years from the date when a particular site location is declared to be “on air” to the Commission, by the DUSP.

- 4.10. In the event of vandalism, the Part 1 DUSP shall be responsible for immediately rectifying and/or replacing any affected network facilities at its own cost.

Insurance

- 4.11. The DUSP 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).
- 4.12. The relevant insurances must also be procured and maintained at all times by the DUSP, both during implementation and subsequent to the completion of this Project. Failure on the part of the DUSP to comply with this requirement shall result in DUSP being solely responsible for any liabilities and/or losses that may arise. The insurances taken must be comprehensive and provide adequate and sufficient coverage.
- 4.13. Type of insurance to be provided by the Part 1 DUSP, where applicable, and not limited to the following;

4.13.1. Insurance against personal injuries and damage to properties.

The DUSP shall procure and maintain insurance coverage for third-party personal injury and property damage at all work sites, in accordance with:

- Malaysia’s Civil Law Act 1956
- Insurance Act 1996
- Minimum coverage for third-party liability: RM 1 million per occurrence or as otherwise directed by the Commission

4.13.2. Workmen's Compensation Insurance and/or SOCSO

All labour deployed must be insured under the Workmen’s Compensation Act 1952 or covered by SOCSO (PERKESO). The Part 1 DUSP shall:

- Register all employees with SOCSO

- Maintain up-to-date contributions
- Ensure foreign workers are legally employed in accordance to immigration requirements and are covered under approved private insurance where applicable

4.13.3. Insurance of Works (CAR)

A valid DUSP's Construction All Risks (CAR) insurance policy shall be maintained from the commencement of site work until Project completion, covering:

- Material damage to permanent and temporary works
- Plant and equipment
- Legal liability to third parties

Minimum coverage shall be in accordance with CIDB Malaysia guidelines and not less than the full contract value, and shall comply with industry standards and regulatory expectations.

4.13.4. Insurance for Equipment

The DUSP shall insure all major equipment and materials from the point of dispatch to final commissioning. Coverage must include:

- Transit and storage insurance
- Theft and fire protection
- Installation risk

Insurance policies shall comply with MS ISO 39001: Road Traffic Safety Management and other relevant logistics risk management practices.

Implementation Period

- 4.14. The maximum implementation period for Part 1 DUSP shall not exceed **six (6) months** from the commencement date issued by the Commission.
- 4.15. The Interested Licensee shall be required to propose a detailed implementation timeline by completing the prescribed schedule of milestones specified in **Appendix 4** in this Invitation. The proposed timeline shall align with the scope of work and shall form the basis for the Commission to monitor the progress of the Project.

Report to the Commission

Project Implementation

- 4.16. During the Project implementation timeline, pursuant to regulation 13 of the USP Regulations, the DUSP shall submit a report on the progress of the implementation of the Approved Universal Service Plan on a **weekly basis** to the Commission. The weekly report shall be furnished in the form and format specified by the Commission.
- 4.17. The Completion Report shall be submitted by the DUSP upon request by the Commission. The Completion Report shall consist of, including but not limited to:
- 4.17.1. As-built drawing(s) endorsed by a Professional Engineer (PE);
 - 4.17.2. A copy of the relevant local authority approval and approvals from other related agencies (if any);
 - 4.17.3. A copy of the stamped tenancy agreement;
 - 4.17.4. The exact latitude and longitude for each site;
 - 4.17.5. Technical site survey report;
 - 4.17.6. Detailed backhaul information and relevant document(s);
 - 4.17.7. Electrical and earthing system;
 - 4.17.8. Power supply information and relevant document(s);
 - 4.17.9. Throughput test results;
 - 4.17.10. Coverage measurement and other relevant test(s) in accordance to the requirements stipulated in this Invitation;
 - 4.17.11. Overall site photo(s) including equipment installed; and
 - 4.17.12. Detailed BOQ for the relevant site.

Operational Period

- 4.18. The DUSP shall be responsible to provide operations and maintenance for two (2) years from the date when a particular site location is declared to be “on air” (“**Operational Period**”), which includes:
- 4.18.1. Submit a report on the progress of the Operational Period on a **monthly basis** in the form and format specified by the Commission. 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;
- (c) Provide network monitoring dashboard (e.g. Paessler Router Traffic Grapher (PRTG), SolarWinds, etc); and
- (d) Detailed operational costs incurred for each location for service provisioning.

5. DETAILED SCOPE OF WORK FOR PART 2 DUSP

5.1. Part 2 DUSP shall be responsible for, but not limited to the following:

No	Detailed scope of work
1.	Hosting of AAA Neutral Host Platform-as-a-Service in Malaysia Cloud/Data Centers for data sovereignty.
2.	To integrate via Diameter to MNO EPC Core Network for EAP-SIM/AKA/AKA' authentication only.
3.	Brand agnostic integration to approved or new Wi-Fi vendors Wireless LAN Controllers with full capability.
4.	Reporting Dashboard for report generation of Users, Traffic and Sessions.
3.	Implement Privileged Access Management (PAM) for all Accounts and Roles to ensure compliance with ISO 27001.
5.	Multi-Tenant Based Platform with a single Instance/Domain. Support Multiple Roles within the same tenant.
6.	Support High Availability Across Malaysia and Elastic Cloud to ensure future growth on capacity.
7.	Provide access to Part 1 DUSP for their own respective cluster for their own NOC monitoring and reporting purposes. The reports should be downloadable in CSV/Excel/PDF formats.
8.	The Completion Report shall be submitted by the DUSP upon request by the Commission. When a particular milestone is completed, the DUSP shall furnish the Commission with a Declaration for the completion of work for every project milestone for CAPEX and OPEX, as shown in Appendix 6 of this Invitation.
9.	Undertake operations and maintenance for two (2) years (" Operational Period ").

10.	Submission of operations and maintenance report to the Commission, which consists of the user session reports, network performance report, daily uptime report, and maintenance records, in the form and format specified by the Commission during the monthly progress report.
11.	DUSP shall ensure continuous and uninterrupted AAA NHP services for twenty-four (24) hours per day, seven (7) days a week.

Warranty and Insurance

5.2. The DUSP shall be responsible for providing warranties and insurance for the items stipulated below:

Warranty

5.2.1. The DUSP shall be responsible to provide warranties for all the network facilities and network service equipment for the neutral host platform under the broadband wireless access services for two (2) years from the date when a particular site location is declared to be “on air” with the Mobile Offload features to the Commission, by the DUSP.

Insurance

5.2.2. The DUSP 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).

5.2.3. The relevant insurance must also be procured and maintained at all times by the DUSP, both during implementation and subsequent to the completion of this Project. Failure on the part of the DUSP to comply with this requirement shall result in DUSP being solely responsible for any liabilities and/or losses that may arise. The insurance taken must be comprehensive and provide adequate and sufficient coverage.

5.3. The DUSP shall immediately repair or replace any faulty items during the warranty period. Thereafter, it shall be the responsibility of the DUSP to manage and maintain all equipment at the sites.

Implementation Period

- 5.4. The maximum implementation period for Part 2 DUSP shall not exceed **six (6) months** from the commencement date issued by the Commission.
- 5.5. The Interested Licensee shall be required to propose a detailed implementation timeline by completing the prescribed schedule of milestones specified in **Appendix 4** in this Invitation. The proposed timeline shall align with the scope of work and shall form the basis for the Commission to monitor the progress of the Project.

Report to the Commission

Project Implementation

- 5.6. During the Project Implementation timeline, pursuant to regulation 13 of the USP Regulations, the DUSP shall submit a report on the progress of the implementation of the Approved Universal Service Plan on a **weekly basis** to the Commission. The weekly report shall be furnished in the form and format specified by the Commission.
- 5.7. The Completion Report shall be submitted by the DUSP upon request by the Commission and shall demonstrate the complete deployment, integration, functionality, performance, security, and operational readiness of the NHP, supported by as-built documentation and any other information as may be required by the Commission.

Operational Period

- 5.8. The DUSP shall be responsible to provide operations and maintenance of the AAA Neutral Host Platform for two (2) years from the date when from the date the platform is declared operational ("**Operational Period**"). Submit a report on the progress of the Operational Period on a **monthly basis** in the form and format specified by the Commission. The information shall include, but is not limited, to the following:
 - 5.8.1. Total number of authentication, authorisation, and accounting (AAA) requests (successful and failed);
 - 5.8.2. Average response time and system latency;
 - 5.8.3. Resource utilisation (e.g., CPU, memory, and storage) of the AAA NHP;

- 5.8.4. Number of active users and sessions managed by the AAA NHP;
- 5.8.5. Peak usage periods and traffic trend;
- 5.8.6. Summary of authentication failures; and
- 5.8.7. Any other relevant information or reports, as and when required by the Commission, to support the monitoring and evaluation of the platform's operations and service delivery.

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SECTION III

REGISTRATION OF INTEREST AND SUBMISSION OF THE DRAFT UNIVERSAL SERVICE PLAN

6. REGISTRATION OF INTEREST REQUIREMENTS

- 6.1. The Interested Licensee which wishes to register its interest to become the DUSP pursuant to this Invitation shall hold the requisite licenses with a minimum validity of six (6) months from the closing date, as stated in this Invitation (or has submitted its license 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.
- 6.2. The Interested Licensees must also fulfil the following criteria:

Part 1

6.2.1. 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 to provide internet access services. 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 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.

6.2.2. The Interested Licensee shall meet the following eligibility requirements:

- (a) Minimum of two (2) years' relevant experience in the installation of network facilities and/or the deployment of network services for the provisioning of broadband wireless access services via satellite connectivity;
- (b) Have existing 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) or outstanding payments (e.g. liquidated damages) 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 contribution.

Part 2

6.2.3. The Interested Licensee for Part 2 is required to hold valid NSP(I) licence issued under the Act. The NSP(I) license held by the Interested Licensee must allow the holder of the licence to own or provide the network services under Regulation 20 of the Communications and Multimedia (Licensing) Regulations 2000.

6.2.4. The Interested Licensee shall meet the following eligibility requirements:

- (a) Minimum two (2) years' relevant experience in the delivery of AAA network services for the deployment of Telco Operator Public Wi-Fi services;
- (b) Minimum of two (2) years' experience in the provisioning of Mobile Offload network services integrated to Malaysian/Overseas MNO for the deployment of public Wi-Fi services in Malaysia;

- (c) Provide evidence of preliminary engagement with MNOs, including documented confirmation of its willingness to participate in the NHP arrangement for Mobile Offload services. **Such evidence shall be submitted together in the Draft Universal Service Plan;**
 - (d) Not owe any outstanding fees (licence, spectrum assignment and/or numbering assignment) or outstanding payments (e.g. liquidated damages) to the Commission;
 - (e) Has duly submitted its Return of Net Revenue (RONR) forms to the Commission for each year without fail; and
 - (f) Has no outstanding USP Fund contribution.
- 6.3. Interested Licensees are prohibited from directly or indirectly (via the use of third parties) attempting to improperly influence the outcome of this Invitation 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.
- 6.4. The outcome of this Invitation 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.
- 6.5. 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.
- 6.6. For the avoidance of 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:
- 6.6.1. Any one cluster in its entirety; or
 - 6.6.2. All clusters in entirety.
- 6.7. The submission of the duly completed Registration of Interest Form shall be made in accordance with subparagraph 9.1 of this Invitation.

7. SUBMISSION OF THE DRAFT UNIVERSAL SERVICE PLAN

- 7.1. The Interested Licensee shall submit a single document in a separate sealed

envelope marked as “**LICENSEE’S INFORMATION**”, which shall consist of the following:

- 7.1.1. Cover letter signed by the Chief Executive Officer or a person who holds an equivalent designation in the Interested Licensee; and
 - 7.1.2. Information of the Interested Licensee and other supporting documents as detailed out in **Appendix 3** of this Invitation.
- 7.2. The Interested Licensee shall submit the Draft Universal Service Plan based on its Registration of Interest (whether for Part 1 or Part 2 only, and the number of Cluster(s) bid), 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 in each Part(s) shall be divided into **two (2) separate** documents as follows:
- 7.2.1. Technical Proposal; and
 - 7.2.2. Financial Proposal.
- 7.3. The Interested Licensee may submit Draft Universal Service Plan(s) for multiple Clusters. For avoidance of 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.
- 7.4. Submission of the Registration of Interest and the Draft Plan shall strictly follow the method and format prescribed in this Invitation. Interested Licensee(s) who are found to have submitted copies of the Registration of Interest or the Draft Plan to any third party, or to any other person within the Commission not authorised to receive such documents, may be disqualified from this Invitation.
- 7.5. **Uncontacted Interested Licensees shall be deemed unsuccessful.** The Interested Licensee **shall not contact or query the Commission directly or indirectly** on the outcome of the evaluation. Interested Licensee(s) that disregard this restriction may be construed as exercising undue influence and may be disqualified.
- 7.6. The Draft Universal Service Plan shall be submitted and marked as follows:
- 7.6.1. One (1) hard copy submission; and

- 7.6.2. **All pages of the Financial Proposal of the Draft Universal Service Plan shall be duly initialled and affixed with a rubber stamp of the Interested Licensee.**
- 7.6.3. All signatures, initials, and other handwritten marks on the original hard copy of the proposals must be made in blue ink.
- 7.7. Pages for the Draft Universal Service Plan shall be numbered in the following format: <page number> of <total number of pages>.
- 7.8. The submission of the Draft Universal Service Plan shall be enclosed in a separate sealed envelope(s) and super scribed as follows:
- 7.8.1. This Invitation's reference **(INVITATION REF. NO.: SKMM/USPD/UPD/190_JEN2/Invitation(J2/BWA/2026))** at the top left-hand corner of the envelope(s);
- 7.8.2. The description "SUBMISSION OF DRAFT UNIVERSAL SERVICE PLAN" at the central position of the envelope(s):
- (a) PART #: TECHNICAL PROPOSAL (Cluster No. #); or
- (b) PART #: FINANCIAL PROPOSAL (Cluster No. #)
- 7.8.3. "SUBMITTED BY: **(Name of Interested Licensee)**" at the central bottom position of the envelope(s); and
- 7.8.4. In addition to the hardcopy, digital copies of the Technical Proposals, Financial Proposals (according to the Cluster bid) and Licensees' Information shall be submitted in virus-free thumb drives. The digital copy shall be in PDF format. In addition, please submit all the relevant working files i.e. the detailed BOQ in MS Excel format.
- 7.9. All documents mentioned above, including any appendices annexed thereto, shall be taken as being mutually explanatory of each other.
- 7.10. The Interested Licensee shall be deemed to have examined and understood all information and documents set out in this Invitation.
- 7.11. 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.
- 7.12. 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.

- 7.13. In the event of any discrepancy between the amount quoted in the Bill of Quantities (**Appendix 7**) and the Financial Proposal (**Appendix 5**), the amount quoted in the Financial Proposal (**Appendix 5**) shall prevail.
- 7.14. All documents, which form part of the Draft Universal Service Plan(s) shall be properly and securely bound.
- 7.15. Handbooks and any other literature, if any, shall be bound in separate covers.

8. SCOPE OF THE DRAFT UNIVERSAL SERVICE PLAN

- 8.1. 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.

9. CLOSING DATE

Registration of Interest

- 9.1. 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 3:00pm, 10 April 2026**, via email at usp.planning@mcmc.gov.my.
- 9.2. The Interested Licensees shall make available the original Registration of Interest form, in hardcopy to the Commission, if required.
- 9.3. Proof of submission shall take the form of the issuance of an acknowledgment email receipt to the sender from the same email address.
- 9.4. The Commission will not accept any Registration of Interest for part of a scope of work. Under this Invitation, the Interested Licensee can register its interest in all scope of work in its entirety.
- 9.5. 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.
- 9.6. In the event that an Interested Licensee submits multiple forms for the Registration of Interest, the Commission will accept the latest submission as

final.

9.7. Any submission of the Registration of Interest Form 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 proof of receipt by the Commission.

9.8. **The Interested Licensees are reminded to strictly adhere to the specified date and time and ensure that the Registration of Interest Form is submitted accordingly. In this regard, the Interested Licensee's proof of postage or other evidence of transmission shall not be accepted as proof of receipt by the Commission.**

Submission of Draft Universal Service Plan

9.9. An Interested Licensee shall submit the duly completed Draft Universal Service Plan on or before **3:00pm, 3 June 2026** at:

**Malaysian Communications and Multimedia Commission
MCMC Centre of Excellence (CoE),
Jalan Impact, Cyber 6, 63000 Cyberjaya, Selangor
(Attention: Universal Service Provision Division)**

9.10. The Commission shall **NOT ACCEPT** any submission of Draft Universal Service Plan made by way of email, fax, mail and/or any other means.

9.11. 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 proof of receipt by the Commission.

9.12. **The Interested Licensees are reminded to strictly adhere to the specified date and time and ensure that the draft universal service plan is submitted accordingly. In this regard, the Interested Licensee's proof of postage or other evidence of transmission shall not be accepted as proof of receipt by the Commission.**

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

- 10.1. 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

11. CLAIMS FOR PAYMENT

- 11.1. The DUSP is entitled to claim the costs undertaken i.e. CAPEX and OPEX in respect of this Project.
- 11.2. The DUSP shall no longer be entitled to make any claims, for any work done during the Implementation Period, no later than one (1) year from the date of the submission of the final Declaration of the Project to the Commission.
- 11.3. 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 DUSP by the Commission. The claim schedule for the Part 1 and 2 DUSPs is specified in **Appendix 6** of this Invitation.

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SECTION V
GENERAL TERMS AND CONDITIONS

12. DESIGN AND QUALITY OF SERVICE

- 12.1. The Part 1 and Part 2 DUSPs shall be solely responsible for the correct design and configuration of the network facilities, including all works, infrastructure, equipment, and services offered under this Project. If subsequent modifications or changes are necessary to enable the requirements for the Project to be met, the DUSP shall bear the additional cost involved for the modification or changes and is not entitled to claim for an additional cost from the USP Fund.
- 12.2. The Service Level Guarantee for each location shall adhere to the specifications prescribed under the relevant mandatory standards issued by the Commission.
- 12.3. Any upgrading throughout the Operational Period to fulfil the above requirements shall be borne by the DUSP at no additional cost to the Commission.
- 12.4. It is anticipated that some matters may have to be clarified following the evaluation of the submission and during the early stages of installation of the facilities and equipment. In this respect, the Commission reserves the right to require written clarifications to be provided by the DUSP.

13. TECHNICAL COMPLIANCE

- 13.1. The DUSP 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.

14. SUPPLIED MATERIALS AND EQUIPMENT

- 14.1. All items to be used in the provision of universal service by the DUSP in the UST shall be fit for the purpose for which such items are intended and be free from defects arising out of faulty design, faulty and inferior material, faulty workmanship or faulty software.
- 14.2. All items supplied shall be genuine, newly manufactured/factory fresh (i.e. not second-hand, reconditioned and/or used items).
- 14.3. All equipment proposed must comply with the Malaysian Standards type approval.

15. APPROVAL FROM RELEVANT AUTHORITIES

- 15.1. The DUSP 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.
- 15.2. The DUSP shall be solely responsible for any failure to obtain the necessary approvals, including any additional costs to comply with the said authority's requirements.
- 15.3. The DUSP 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 DUSP's non-compliance to the said authority's requirements.

16. INSPECTION AND AUDIT

- 16.1. The Commission and/or appointed third party agent(s) shall have the right to inspect and verify that all obligations due from the DUSP are fully complied with. The inspection and verification may include:
 - 16.1.1. Technical Audits
Conducting a logical inspection of the installation to verify that the items and services are delivered according to the BOQ, timelines, and specifications as contained in the Approved Universal Service Plan.
 - 16.1.2. Commercial Audits
Verifying all relevant supporting documents submitted by the DUSP in its claims for net universal service costs.

17. SECURITY

- 17.1. The DUSP shall:
 - 17.1.1. Be responsible for ensuring the Security of the system is well implemented and not compromised with no vulnerabilities or backdoors.
 - 17.1.2. Enforce and take all reasonable steps to ensure compliance of all access control to the systems resources by the Satellite Provider, DUSP, and users; and

- 17.1.3. 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, omissions or breach of any conditions in this Invitation by the DUSP, its employees or its agents.

18. EXTENSION OF TIME

- 18.1. The DUSP shall not request an extension of time beyond the timeline that has been approved in the Approved Plan. For the avoidance of doubt, an extension of time may be considered by the Commission due to force majeure as specified in this Invitation.

19. OWNERSHIP OF THE NETWORK FACILITIES AND NETWORK SERVICES

- 19.1. 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 DUSP from the commencement of this Project, unless the designation as the DUSP of the Project is revoked by the Commission pursuant to the USP Regulations.
- 19.2. The DUSP shall hold valid licence(s) issued under the Act during the entire tenure of the Project (i.e. the Project Implementation and Operational Period as defined in the Invitation).
- 19.3. For the avoidance of doubt, the Commission shall revoke the designation of the DUSP, in the event the DUSP no longer holds the requisite licence(s) at any time during the tenure of the Project.

20. EFFECT OF FORCE MAJEURE

- 20.1. An “Event of Force Majeure” is an event beyond the control of the DUSP, which results in the delay in the implementation timeline of this Invitation, which are:
 - 20.1.1. War (whether declared or not), hostilities, invasion, act of foreign enemies;
 - 20.1.2. Insurrection, revolution, rebellion, military, or usurped power, civil war, terrorism;
 - 20.1.3. 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;

- 20.1.4. Nuclear explosion, radioactive or chemical contamination or radiation (unless caused by the negligent act(s), omission(s) or default of the workmen, contractors and all other persons at all times during the execution of the Work);
- 20.1.5. Pressure waves caused by aircraft or other devices travelling at sonic or supersonic speeds; and
- 20.1.6. Riot, commotion or disorder, unless solely restricted to employees of the workmen, contractors and all other persons for the execution of the Work.

21. PERFORMANCE BOND

- 21.1. The DUSP 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 Approved Universal Service Plan.
- 21.2. The Performance Bond shall be kept valid by the DUSP at all times, for the following duration:
 - 21.2.1. The Performance Bond shall be valid from the commencement date of the Project issued in the Notification of Approval until the completion of the scope of works for each Part 1 and Part 2 DUSP, with the said Declaration having been duly received by the Commission.
 - 21.2.2. The Performance Bond shall be **twenty percent (20%)** of the approved total cost of the Project. The Part 1 and Part 2 DUSP shall ensure that the Performance Bond is always maintained at the value of 20% of the total Approved Cost of the Project.
- 21.3. It shall be the responsibility of the DUSP to ensure that a valid Performance Bond is furnished to the Commission at all times.
- 21.4. Should the DUSP require an extension of time to complete the Project, it shall be the responsibility of the DUSP to renew the Performance Bond at least three (3) months prior to the expiry of the said Performance Bond.

- 21.5. In the event that the DUSP is revoked pursuant to the USP Regulations, the said Performance Bond or any balance thereof shall be forfeited.

22. CLARIFICATION AND ENQUIRIES

- 22.1. 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.
- 22.2. 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.
- 22.3. Should there be a need to seek clarification and additional information regarding this Invitation, all enquiries shall be directed to the USP Planning Department of the Commission via email at usp.planning@mcmc.gov.my.
- 22.4. All relevant enquiries pertaining to this Invitation should reach the Commission on or before **3:00 pm, 30 April 2026**.

23. OMISSIONS OR ERRORS

- 23.1. The DUSP 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.
- 23.2. The DUSP shall be solely responsible for all such omissions/errors without any additional costs being chargeable to the Commission.

24. LIQUIDATED DAMAGES

- 24.1. In the event that the Part 1 and/or Part 2 DUSPs fail to achieve any of the project milestones within the stipulated implementation period, the respective DUSP shall be liable to pay liquidated damages to the Commission in accordance with the rates specified in the table below.

Milestone No.	Liquidated Damages
1	Up to 5% of the total approved cost
2	Up to 10% of the total approved cost
3	Up to 15% of the total approved cost
4	Up to 20% of the total approved cost
Total	Up to 20% of the total approved cost

24.2. The liquidated damages shall apply to the relevant scope of works associated with each project milestone and shall be imposed based on the progress of the project milestones set out below, or as otherwise determined by the Commission. The total liquidated damages payable shall be limited to a maximum of 20% of the total Approved Cost of the Project.

24.3. The liquidated damages shall be calculated on a daily basis from the date of delay until the relevant milestone is achieved to the satisfaction of the Commission. For the avoidance of doubt, the calculation is as follows:

Daily rate = Total Approved Cost divided by six (6) months (Implementation Period); and

Liquidated damages = (Daily rate) x (the total days delayed) and limited to a maximum of 20% of the total Approved Cost.

25. PRESS RELEASE AND ANNOUNCEMENT

25.1. The DUSP shall not issue any publicity release or make any announcement in relation to its designation for this Project. In the event that any public announcement or disclosure of the contents of the Notification of Approval is required by law, the DUSP shall, prior to making such announcement or disclosure, consult the Commission and obtain its agreement on the wording, terms, and format of such announcement or disclosure.

26. AMENDMENTS TO THE INVITATION DOCUMENT

26.1. The Commission reserves the right, at its sole discretion, to amend, modify, or revise any part of this Invitation at any time as it deems necessary. Any such changes shall be communicated to the Interested Licensee through appropriate channels.

APPENDIX 1 – LIST OF SITE LOCATIONS FOR THE INSTALLATION AND DEPLOYMENT OF NETWORK FACILITIES AND NETWORK SERVICE FOR THE PROVISIONING OF BROADBAND ACCESS SERVICE DELIVERY THROUGH SATELLITE CONNECTIVITY UNDER THE *JALINAN DIGITAL NEGARA (JENDELA) 2* INITIATIVE

Notes: The latitude(s) and longitude(s) provided here are meant to serve as reference points only to enable the Interested Licensee to identify the said locations in the relevant USTs.

CLUSTER 1: KEDAH & PERAK

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
1	JEN2_3760_WF_1	LDG BUKIT KETAPANG	KEDAH	BATANG TUNGGANG KIRI	6.3713	100.6694
2	JEN2_3763_WF_1	SERAYA FOREST_1	KEDAH	BATANG TUNGGANG KIRI	6.4252	100.6869
3	JEN2_3763_WF_2	SERAYA FOREST_2	KEDAH	BATANG TUNGGANG KIRI	6.4220	100.6889
4	JEN2_3763_WF_3	SERAYA FOREST_3	KEDAH	BATANG TUNGGANG KIRI	6.4119	100.6868
5	JEN2_3645_WF_1	LDG ANAK KULIM	KEDAH	KULIM	5.3099	100.6035
6	JEN2_3779_WF_1	KG CHEBA, MUKIM TEKAI_1	KEDAH	TEKAI	6.1118	100.7862
7	JEN2_3779_WF_2	KG CHEBA, MUKIM TEKAI_2	KEDAH	TEKAI	6.1069	100.7827
8	JEN2_3779_WF_3	KG CHEBA, MUKIM TEKAI_3	KEDAH	TEKAI	6.1014	100.7843
9	JEN2_3769_WF_1	LADANG SUNGAI TEKAI_1	KEDAH	TEKAI	6.1490	100.7332
10	JEN2_3769_WF_2	LADANG SUNGAI TEKAI_2	KEDAH	TEKAI	6.1546	100.7400
11	JEN2_3769_WF_3	LADANG SUNGAI TEKAI_3	KEDAH	TEKAI	6.1388	100.7339
12	JEN2_3744_WF_1	KG. TENGAH	KEDAH	TOLAK	6.3434	100.5634
13	JEN2_3869_WF_2	KG POS WHO_2	PERAK	BIDOR	4.1900	101.3769

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
14	JEN2_3863_WF_1	KG SENTA_1	PERAK	BIDOR	4.1373	101.3396
15	JEN2_3863_WF_2	KG SENTA_2	PERAK	BIDOR	4.1314	101.3283
16	JEN2_3863_WF_3	KG SENTA_3	PERAK	BIDOR	4.1452	101.3388
17	JEN2_0217_WF_1	KAMPUNG ORANG ASLI SUNGAI CHOH	PERAK	HULU KINTA	4.6121	101.1980
18	JEN2_3819_WF_1	KG SG BADUK_1	PERAK	HULU KINTA	4.7689	101.1651
19	JEN2_0072_WF_1	ROCK SHED_1	PERAK	HULU KINTA	4.5945	101.3500
20	JEN2_0072_WF_2	ROCK SHED_2	PERAK	HULU KINTA	4.5961	101.3478
21	JEN2_0072_WF_3	ROCK SHED_3	PERAK	HULU KINTA	4.6007	101.3454
22	JEN2_0201_WF_2	LADANG MELINTANG JAYA_2	PERAK	HUTAN MELINTANG	3.8591	101.1452
23	JEN2_0201_WF_3	LADANG MELINTANG JAYA_3	PERAK	HUTAN MELINTANG	3.8373	101.1135
24	JEN2_0095_WF_1	SOONSENG GROUP ESTATE_1	PERAK	HUTAN MELINTANG	3.8434	101.1582
25	JEN2_0095_WF_2	SOONSENG GROUP ESTATE_2	PERAK	HUTAN MELINTANG	3.8498	101.1613
26	JEN2_0095_WF_3	SOONSENG GROUP ESTATE_3	PERAK	HUTAN MELINTANG	3.8631	101.1596
27	JEN2_0095_WF_4	SOONSENG GROUP ESTATE_4	PERAK	HUTAN MELINTANG	3.8695	101.1848
28	JEN2_0232_WF_1	KAMPUNG CUNEX	PERAK	KENERING	5.1926	101.2009
29	JEN2_3812_WF_1	KUALA KENERING_1	PERAK	KENERING	5.2176	101.0885
30	JEN2_3812_WF_2	KUALA KENERING_2	PERAK	KENERING	5.2211	101.0819
31	JEN2_3812_WF_3	KUALA KENERING_3	PERAK	KENERING	5.2226	101.0771

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
32	JEN2_3812_WF_4	KUALA KENERING_4	PERAK	KENERING	5.2164	101.0953
33	JEN2_0242_WF_1	KAMPUNG SUMPITAN	PERAK	LENGGONG	5.1851	100.9552
34	JEN2_3810_WF_1	KG LUBUK CHUPAK	PERAK	LENGGONG	5.1437	101.0704
35	JEN2_0234_WF_1	SURAU NURUL HIDAYAH KAMPUNG LALANG_1	PERAK	LENGGONG	5.0861	101.2069
36	JEN2_0196_WF_1	KAMPUNG ORANG ASLI KEDING	PERAK	SLIM RIVER	4.0044	101.5094
37	JEN2_3886_WF_1	PONDOK SAPAU SERANI SIWAH	PERAK	SLIM RIVER	3.9117	101.4513
38	JEN2_0200_WF_1	KAMPUNG ORANG ASLI SUNGAI SINJU	PERAK	SUNGAI RAYA	4.5343	101.2064
39	JEN2_3835_WF_1	FELDA PERLOP	PERAK	SUNGAI SIPUT	4.9357	101.2045
40	JEN2_0233_WF_1	KOA AWAL_1	PERAK	SUNGAI SIPUT	4.8246	101.2119
41	JEN2_0233_WF_4	KOA AWAL_4	PERAK	SUNGAI SIPUT	4.8142	101.2182
42	JEN2_0328_WF_1	KOA BESWOK_1	PERAK	SUNGAI SIPUT	4.8904	101.3793
43	JEN2_0328_WF_2	KOA BESWOK_2	PERAK	SUNGAI SIPUT	4.8904	101.3808
44	JEN2_0198_WF_1	KAMPUNG ORANG ASLI SG KAPOR_1	PERAK	TEJA	4.5002	101.2453
45	JEN2_0198_WF_2	KAMPUNG ORANG ASLI SG KAPOR_2	PERAK	TEJA	4.4973	101.2425
46	JEN2_0204_WF_2	KAMPUNG ORANG ASLI ULU GERUH_2	PERAK	TEJA	4.4652	101.2458
47	JEN2_0204_WF_3	KAMPUNG ORANG ASLI ULU GERUH_3	PERAK	TEJA	4.4669	101.2474
48	JEN2_0204_WF_4	KAMPUNG ORANG ASLI ULU GERUH_4	PERAK	TEJA	4.4619	101.2439
49	JEN2_0210_WF_1	KG ULU KEMPAYANG_1	PERAK	TEJA	4.4849	101.2342

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
50	JEN2_0210_WF_2	KG ULU KEMPAYANG_2	PERAK	TEJA	4.4867	101.2310
51	JEN2_0210_WF_3	KG ULU KEMPAYANG_3	PERAK	TEJA	4.4858	101.2404
52	JEN2_0210_WF_4	KG ULU KEMPAYANG_4	PERAK	TEJA	4.4851	101.2446
53	JEN2_0210_WF_5	KG ULU KEMPAYANG_5	PERAK	TEJA	4.4688	101.2341

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CLUSTER 2: JOHOR, NEGERI SEMBILAN, KELANTAN & PAHANG

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
1	JEN2_0335_WF_1	LADANG SEPANG IOI_1	JOHOR	SERMIN	2.7356	102.8450
2	JEN2_0335_WF_2	LADANG SEPANG IOI_2	JOHOR	SERMIN	2.7295	102.8360
3	JEN2_0332_WF_1	E&A DURIAN PLANTATIONS_1	JOHOR	TANGKAK	2.4283	102.6130
4	JEN2_4465_WF_1	KG. JALAN BUNGA RAYA	JOHOR	TANJUNG SEMBRONG	1.9463	103.1180
5	JEN2_4550_WF_1	GUGUSAN ADELA	JOHOR	TANJUNG SURAT	1.5002	104.1960
6	JEN2_0344_WF_1	LADANG AGROMAJU	JOHOR	ULU SUNGAI JOHOR	1.9518	103.6400
7	JEN2_3998_WF_1	TAMAN PERINDUSTRIAN MAHKOTA_1	NEGERI SEMBILAN	LENGGENG	2.9319	101.9240
8	JEN2_3998_WF_2	TAMAN PERINDUSTRIAN MAHKOTA_2	NEGERI SEMBILAN	LENGGENG	2.9344	101.9260
9	JEN2_3998_WF_3	TAMAN PERINDUSTRIAN MAHKOTA_3	NEGERI SEMBILAN	LENGGENG	2.9335	101.9300
10	JEN2_3998_WF_4	TAMAN PERINDUSTRIAN MAHKOTA_4	NEGERI SEMBILAN	LENGGENG	2.9279	101.9300
11	JEN2_3998_WF_5	TAMAN PERINDUSTRIAN MAHKOTA_5	NEGERI SEMBILAN	LENGGENG	2.9273	101.9350
12	JEN2_4051_WF_1	LATA BEREMBUN_1	NEGERI SEMBILAN	PANTAI	2.8020	102.0230
13	JEN2_4051_WF_2	LATA BEREMBUN_2	NEGERI SEMBILAN	PANTAI	2.8071	102.0160
14	JEN2_4051_WF_3	LATA BEREMBUN_3	NEGERI SEMBILAN	PANTAI	2.8015	102.0160
15	JEN2_0153_WF_1	GEMAR SEZAMAN	NEGERI SEMBILAN	TRIANG ILIR	3.1263	102.1520
16	JEN2_0176_WF_1	KAMPUNG SUNGAI KELIT	PAHANG	BATU TALAM	3.9853	101.7150
17	JEN2_3988_WF_1	JERAM TOK ABAH, PADANG TENGGU_1	PAHANG	BATU YON	4.4369	101.9010
18	JEN2_4025_WF_1	KG TELUK GUNUNG	PAHANG	BATU YON	4.6419	101.9750
19	JEN2_4519_WF_1	SUNGAI MERCUNG_1	PAHANG	BEBAR	3.0577	103.3660
20	JEN2_4519_WF_2	SUNGAI MERCUNG_2	PAHANG	BEBAR	3.0568	103.3660

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
21	JEN2_4519_WF_3	SUNGAI MERCUNG_3	PAHANG	BEBAR	3.0558	103.3650
22	JEN2_4519_WF_4	SUNGAI MERCUNG_4	PAHANG	BEBAR	3.0548	103.3650
23	JEN2_0166_WF_1	BENTONG WELLNESS RESORT	PAHANG	BENTONG	3.6337	101.8380
24	JEN2_0035_WF_1	LADANG KPF_1	KELANTAN	BLAU	4.6745	101.7660
25	JEN2_0035_WF_2	LADANG KPF_2	KELANTAN	BLAU	4.6635	101.7730
26	JEN2_0035_WF_3	LADANG KPF_3	KELANTAN	BLAU	4.6583	101.7710
27	JEN2_0189_WF_1	KAMPUNG BARU SUNGAI CHALIT	PAHANG	GALI	3.8137	102.0020
28	JEN2_4493_WF_1	BUKIT KUANTAN	PAHANG	KUALA KUANTAN	3.9884	103.2470
29	JEN2_5985_WF_1	KG SUNGAI GAHARU_1	PAHANG	PENJOM	4.0969	101.9330
30	JEN2_0379_WF_1	KG SIJAR_1	PAHANG	PENYOR	3.5136	103.0130
31	JEN2_0379_WF_2	KG SIJAR_2	PAHANG	PENYOR	3.5140	103.0060
32	JEN2_0379_WF_3	KG SIJAR_3	PAHANG	PENYOR	3.5189	103.0080
33	JEN2_5985_WF_2	KG SUNGAI GAHARU_2	PAHANG	SEGA	4.0861	101.9430
34	JEN2_0190_WF_1	LADANG NAZA	PAHANG	SEMANTAN ULU	3.8629	101.7880
35	JEN2_0178_WF_1	KAMPUNG ATONG	PAHANG	TANJUNG BESAR	4.0788	102.0820
36	JEN2_0163_WF_1	BILUT HILLS ECO RESORT	PAHANG	TRAS	3.6512	101.8690
37	JEN2_0181_WF_1	KAMPUNG SANG LEE	PAHANG	TRAS	3.6374	101.8130
38	JEN2_0170_WF_1	KOA SUNGAI DELAM	PAHANG	TRAS	3.6733	101.8110
39	JEN2_3945_WF_1	LADANG PKPP PAMAH LEBAR_1	PAHANG	TRAS	3.7817	101.7660
40	JEN2_3945_WF_2	LADANG PKPP PAMAH LEBAR_2	PAHANG	TRAS	3.7759	101.7730
41	JEN2_0156_WF_1	SANG LEE RAUB DURIAN FARM_1	PAHANG	TRAS	3.6461	101.8310
42	JEN2_0177_WF_1	SUNRISE SPORTS	PAHANG	TRAS	3.7594	101.7430
43	JEN2_0164_WF_1	KG. SUNGAI JELAI	PAHANG	ULU JELAI	4.2864	101.5690
44	JEN2_0172_WF_1	KOA BANTAL	PAHANG	ULU JELAI	4.4239	101.8050
45	JEN2_0155_WF_1	KOA LANAI_1	PAHANG	ULU JELAI	4.3925	101.7250
46	JEN2_0155_WF_2	KOA LANAI_2	PAHANG	ULU JELAI	4.3967	101.7230
47	JEN2_0155_WF_3	KOA LANAI_3	PAHANG	ULU JELAI	4.3955	101.7230
48	JEN2_3919_WF_1	SURAU KOA NANGKA_1	PAHANG	ULU JELAI	4.2908	101.6120

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
49	JEN2_3919_WF_2	SURAU KOA NANGKA_2	PAHANG	ULU JELAI	4.2924	101.6170
50	JEN2_3919_WF_3	SURAU KOA NANGKA_3	PAHANG	ULU JELAI	4.2860	101.6110
51	JEN2_0371_WF_1	KILANG SAWIT LEMBING SDN BHD_1	PAHANG	ULU KUANTAN	3.8755	103.0780
52	JEN2_0371_WF_2	KILANG SAWIT LEMBING SDN BHD_2	PAHANG	ULU KUANTAN	3.8834	103.090
53	JEN2_0347_WF_1	LADANG MENTIGA SG LEMBING	PAHANG	ULU KUANTAN	3.8347	103.0590
54	JEN2_4442_WF_1	METRO EMERALD SDN BHD_1	PAHANG	ULU KUANTAN	3.8880	103.0480
55	JEN2_0370_WF_1	SUNGAI KENAU_1	PAHANG	ULU KUANTAN	3.8759	103.0350
56	JEN2_0370_WF_2	SUNGAI KENAU_2	PAHANG	ULU KUANTAN	3.8786	103.0320
57	JEN2_0348_WF_1	ASIA OIL PALM OIL SDN BHD_1	PAHANG	ULU LEPAR	3.8068	102.7730
58	JEN2_0348_WF_2	ASIA OIL PALM OIL SDN BHD_2	PAHANG	ULU LEPAR	3.8013	102.7730
59	JEN2_3868_WF_1	GREEN VIEW GARDEN	PAHANG	ULU TELOM	4.5893	101.3800
60	JEN2_3905_WF_1	POS LEMOI	PAHANG	ULU TELOM	4.3712	101.5560

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CLUSTER 3: KELANTAN

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
1	JEN2_0305_WF_1	GUA TONGGOL HIKING_1	KELANTAN	BLAU	4.6778	101.7306
2	JEN2_0277_WF_1	GUA TUNGGOL_1	KELANTAN	BLAU	4.6481	101.7015
3	JEN2_0277_WF_2	GUA TUNGGOL_2	KELANTAN	BLAU	4.6588	101.7100
4	JEN2_0300_WF_1	KAMPUNG KELAİK	KELANTAN	BLAU	4.7228	101.6269
5	JEN2_0010_WF_1	KM103	KELANTAN	BLAU	4.7373	101.6785
6	JEN2_0008_WF_1	LADANG KAPISITI HARAPAN	KELANTAN	BLAU	4.8224	101.7586
7	JEN2_0038_WF_1	LADANG KPF BLAU SDN BHD_1	KELANTAN	BLAU	4.6308	101.7416
8	JEN2_3946_WF_1	LADANG KPF BLAU_1	KELANTAN	BLAU	4.7096	101.7611
9	JEN2_3946_WF_2	LADANG KPF BLAU_2	KELANTAN	BLAU	4.7203	101.7658
10	JEN2_3946_WF_3	LADANG KPF BLAU_3	KELANTAN	BLAU	4.7072	101.7741
11	JEN2_0281_WF_1	LADANG KPK BLAU SDN BHD_1	KELANTAN	BLAU	4.6832	101.7299
12	JEN2_0281_WF_2	LADANG KPK BLAU SDN BHD_2	KELANTAN	BLAU	4.6623	101.7307
13	JEN2_0282_WF_3	LADANG PENGHULU SETIA_1	KELANTAN	BLAU	4.8158	101.7348
14	JEN2_0392_WF_1	POS BLAU	KELANTAN	BLAU	4.6444	101.7477
15	JEN2_3940_WF_1	ULU NEGGIRI ESTATE_1	KELANTAN	BLAU	4.8803	101.7339
16	JEN2_3940_WF_2	ULU NEGGIRI ESTATE_2	KELANTAN	BLAU	4.8798	101.7331
17	JEN2_3940_WF_3	ULU NEGGIRI ESTATE_3	KELANTAN	BLAU	4.8722	101.7387
18	JEN2_0315_WF_1	KAMPUNG ORANG ASLI REDİK ZON A	KELANTAN	HAU	4.8238	101.6130
19	JEN2_0316_WF_1	KAMPUNG ORANG ASLI REDİK ZON B_1	KELANTAN	HAU	4.8407	101.6097
20	JEN2_0316_WF_2	KAMPUNG ORANG ASLI REDİK ZON B_2	KELANTAN	HAU	4.8424	101.6116
21	JEN2_0272_WF_1	KG KELAİK_1	KELANTAN	HAU	4.8132	101.5727
22	JEN2_0272_WF_2	KG KELAİK_2	KELANTAN	HAU	4.8121	101.5765
23	JEN2_0272_WF_3	KG KELAİK_3	KELANTAN	HAU	4.8117	101.5659
24	JEN2_0034_WF_1	KG LADOI POS HAU_1	KELANTAN	HAU	4.8145	101.5471

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
25	JEN2_0029_WF_1	LADANG PPLR	KELANTAN	HAU	4.8374	101.6719
26	JEN2_0007_WF_1	LADANG PPLR_1	KELANTAN	HAU	4.8402	101.6869
27	JEN2_0007_WF_2	LADANG PPLR_2	KELANTAN	HAU	4.8371	101.6874
28	JEN2_0314_WF_1	DAMAI MINERALS SDN BHD_1	KELANTAN	HENDROP	4.7685	101.6076
29	JEN2_0314_WF_2	DAMAI MINERALS SDN BHD_2	KELANTAN	HENDROP	4.7677	101.6082
30	JEN2_0285_WF_1	DAMAI MINERALS_1	KELANTAN	HENDROP	4.7478	101.6016
31	JEN2_3904_WF_1	KOA HENDROP_1	KELANTAN	HENDROP	4.7283	101.5376
32	JEN2_0274_WF_1	SINDIYAN FARM MANAGEMENT_1	KELANTAN	HENDROP	4.7436	101.6284
33	JEN2_0284_WF_1	SUNGAI MERING	KELANTAN	HENDROP	4.6492	101.6011
34	JEN2_4052_WF_1	LEPAN JAYA_1	KELANTAN	KETIL	4.7923	102.0109
35	JEN2_4052_WF_2	LEPAN JAYA_2	KELANTAN	KETIL	4.7886	102.0062
36	JEN2_0009_WF_1	LADANG FIRMA_1	KELANTAN	KUALA BETIS	4.9578	101.7937
37	JEN2_4118_WF_2	LADANG KURNIA SALIM_2	KELANTAN	KUALA SUNGAI	5.1712	102.1189
38	JEN2_0133_WF_1	KG LIMAU KASTURI	KELANTAN	LIMAU KASTURI	5.0517	102.0675
39	JEN2_4275_WF_1	LATA PUTERI_1	KELANTAN	MANJOR	5.2912	102.3366
40	JEN2_4275_WF_2	LATA PUTERI_2	KELANTAN	MANJOR	5.2902	102.3388
41	JEN2_4275_WF_3	LATA PUTERI_3	KELANTAN	MANJOR	5.2916	102.3418
42	JEN2_0027_WF_1	DABONG GOLD MINING	KELANTAN	PULAI	4.7205	101.8958
43	JEN2_0246_WF_1	KAMPONG GRAK	KELANTAN	PULAI	4.7526	101.8549
44	JEN2_0294_WF_1	KAMPONG GRAK_1	KELANTAN	PULAI	4.6897	101.9264
45	JEN2_3992_WF_1	KG PULAI_1	KELANTAN	PULAI	4.7991	101.9119
46	JEN2_3992_WF_2	KG PULAI_2	KELANTAN	PULAI	4.7861	101.9149
47	JEN2_3992_WF_3	KG PULAI_3	KELANTAN	PULAI	4.7868	101.9142
48	JEN2_3992_WF_4	KG PULAI_4	KELANTAN	PULAI	4.7869	101.9255
49	JEN2_3992_WF_5	KG PULAI_5	KELANTAN	PULAI	4.7853	101.9249
50	JEN2_0291_WF_1	SG LION GOLD MINER CORP GROUP_1	KELANTAN	PULAI	4.7127	101.8793
51	JEN2_0291_WF_2	SG LION GOLD MINER CORP GROUP_2	KELANTAN	PULAI	4.7131	101.8817

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
52	JEN2_0026_WF_1	ULU GALAN	KELANTAN	PULAI	4.6694	101.9076
53	JEN2_4043_WF_1	KG. SUNGAI TERAH	KELANTAN	RENOK	5.0007	101.9964
54	JEN2_3903_WF_1	56 KM JLN LOJING GUA MUSANG	KELANTAN	SIGAR	4.6783	101.5410
55	JEN2_3872_WF_1	KG KUALA TAUHU_1	KELANTAN	SIGAR	4.6803	101.3942
56	JEN2_3872_WF_2	KG KUALA TAUHU_2	KELANTAN	SIGAR	4.6795	101.4051
57	JEN2_3872_WF_3	KG KUALA TAUHU_3	KELANTAN	SIGAR	4.6756	101.4070
58	JEN2_0308_WF_1	KOA KINGKOK	KELANTAN	SIGAR	4.6851	101.5003
59	JEN2_0312_WF_1	POS RENGIL_1	KELANTAN	SIGAR	4.6805	101.4681
60	JEN2_0312_WF_2	POS RENGIL_2	KELANTAN	SIGAR	4.6781	101.4737
61	JEN2_0266_WF_1	SONGLI_1	KELANTAN	SIGAR	4.6364	101.4264
62	JEN2_0266_WF_2	SONGLI_2	KELANTAN	SIGAR	4.6334	101.4233
63	JEN2_0266_WF_3	SONGLI_3	KELANTAN	SIGAR	4.6179	101.4203
64	JEN2_0317_WF_1	YONG BELAR PARK	KELANTAN	SIGAR	4.6148	101.4073

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CLUSTER 4: KELANTAN

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
1	JEN2_0106_WF_1	FELCRA ESTATE ARING	KELANTAN	RELAI	4.8723	102.4005
2	JEN2_4151_WF_1	GUNUNG SEJUK_1	KELANTAN	RELAI	5.0727	102.1673
3	JEN2_4151_WF_2	GUNUNG SEJUK_2	KELANTAN	RELAI	5.0711	102.1691
4	JEN2_0135_WF_1	JALAN CHIKU	KELANTAN	RELAI	4.8293	102.2386
5	JEN2_4325_WF_1	JALAN FELDA ARING_1	KELANTAN	RELAI	4.9938	102.4788
6	JEN2_4257_WF_1	JALAN PALOH_1	KELANTAN	RELAI	5.0126	102.3258
7	JEN2_4257_WF_2	JALAN PALOH_2	KELANTAN	RELAI	5.0057	102.3061
8	JEN2_4257_WF_3	JALAN PALOH_3	KELANTAN	RELAI	5.0012	102.3341
9	JEN2_4257_WF_4	JALAN PALOH_4	KELANTAN	RELAI	4.9975	102.3307
10	JEN2_4257_WF_5	JALAN PALOH_5	KELANTAN	RELAI	5.0001	102.3304
11	JEN2_0134_WF_1	KAMPONG NURI_1	KELANTAN	RELAI	5.0605	102.4248
12	JEN2_0141_WF_1	KAMPUNG LEBIR	KELANTAN	RELAI	5.2606	102.3395
13	JEN2_4227_WF_1	KAMPUNG SUSU DARA_1	KELANTAN	RELAI	5.1562	102.2813
14	JEN2_4194_WF_1	KG KENANGAN_1	KELANTAN	RELAI	4.9458	102.2358
15	JEN2_0137_WF_1	KOA RAKUH	KELANTAN	RELAI	5.1058	102.4585
16	JEN2_4245_WF_1	KUALA SUNGAI CHALIL_1	KELANTAN	RELAI	5.1182	102.2980
17	JEN2_4245_WF_2	KUALA SUNGAI CHALIL_2	KELANTAN	RELAI	5.1224	102.2981
18	JEN2_4245_WF_3	KUALA SUNGAI CHALIL_3	KELANTAN	RELAI	5.1127	102.3020
19	JEN2_4265_WF_3	LADANG KUKUH CEMERLANG_3	KELANTAN	RELAI	4.9984	102.3366
20	JEN2_4265_WF_4	LADANG KUKUH CEMERLANG_4	KELANTAN	RELAI	4.9941	102.3453
21	JEN2_4265_WF_5	LADANG KUKUH CEMERLANG_5	KELANTAN	RELAI	4.9848	102.3492
22	JEN2_4193_WF_1	LADANG RELAI UTAMA_1	KELANTAN	RELAI	4.8767	102.2349
23	JEN2_0045_WF_1	LADANG TEROKA TUAH SDN BHD_1	KELANTAN	RELAI	5.0273	102.4609
24	JEN2_0098_WF_1	LADANG UPAYA PADU	KELANTAN	RELAI	5.1246	102.2496
25	JEN2_4235_WF_1	LUBOK BEGELANG_1	KELANTAN	RELAI	4.7734	102.2966

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
26	JEN2_4235_WF_2	LUBOK BEGELANG_2	KELANTAN	RELAI	4.7890	102.2906
27	JEN2_0103_WF_1	MASJID NURUL JABAL KG. SUNGAI LAKIT	KELANTAN	RELAI	5.1851	102.2132
28	JEN2_0120_WF_1	SEKOLAH KEBANGSAAN PASIR LINGGI_1	KELANTAN	RELAI	5.2294	102.3720
29	JEN2_0120_WF_2	SEKOLAH KEBANGSAAN PASIR LINGGI_2	KELANTAN	RELAI	5.2297	102.3704
30	JEN2_4195_WF_1	SIMPANG SG BAYU_1	KELANTAN	RELAI	5.0989	102.2245
31	JEN2_4142_WF_1	SUNGAI CHIKU_1	KELANTAN	RELAI	5.0844	102.1533
32	JEN2_4142_WF_2	SUNGAI CHIKU_2	KELANTAN	RELAI	5.0797	102.1529
33	JEN2_4283_WF_1	SUNGAI DEPAK_1	KELANTAN	RELAI	5.2119	102.3588
34	JEN2_4319_WF_1	SUNGAI MIAK_1	KELANTAN	RELAI	5.1061	102.4586
35	JEN2_4319_WF_2	SUNGAI MIAK_2	KELANTAN	RELAI	5.1324	102.4484
36	JEN2_4282_WF_1	SUNGAI RELAI_1	KELANTAN	RELAI	5.0442	102.3669
37	JEN2_4274_WF_1	TELUK KASONG_1	KELANTAN	RELAI	5.0849	102.3460
38	JEN2_4274_WF_2	TELUK KASONG_2	KELANTAN	RELAI	5.0755	102.3440
39	JEN2_0033_WF_1	LABISIA PUMILA	KELANTAN	TUEL	4.7851	101.4464
40	JEN2_0286_WF_1	SUNGAI BEROK_1	KELANTAN	TUEL	4.7333	101.5083
41	JEN2_0288_WF_1	FORT CHABAI HELIPAD	KELANTAN	ULU NENGGIRI	5.0017	101.6010
42	JEN2_0310_WF_1	KAMPUNG KUALA WOK_1	KELANTAN	ULU NENGGIRI	5.1467	101.8413
43	JEN2_0310_WF_2	KAMPUNG KUALA WOK_2	KELANTAN	ULU NENGGIRI	5.1499	101.8369
44	JEN2_3907_WF_1	KAMPUNG PARALONG_1	KELANTAN	ULU NENGGIRI	4.9908	101.5428
45	JEN2_3907_WF_2	KAMPUNG PARALONG_2	KELANTAN	ULU NENGGIRI	4.9908	101.5495
46	JEN2_0318_WF_1	KG BERING BARU_1	KELANTAN	ULU NENGGIRI	5.1858	101.8082
47	JEN2_0318_WF_2	KG BERING BARU_2	KELANTAN	ULU NENGGIRI	5.1934	101.8119
48	JEN2_4027_WF_1	KG PULAU SETELU_1	KELANTAN	ULU NENGGIRI	5.1042	101.9763
49	JEN2_4027_WF_2	KG PULAU SETELU_2	KELANTAN	ULU NENGGIRI	5.1021	101.9738
50	JEN2_0319_WF_1	KHLONG JENERA KELANTAN_1	KELANTAN	ULU NENGGIRI	5.2148	101.8122
51	JEN2_4000_WF_1	KPK KEM MERANTO_1	KELANTAN	ULU NENGGIRI	5.1603	101.9223

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
52	JEN2_4000_WF_2	KPK KEM MERANTO_2	KELANTAN	ULU NENGGIRI	5.1518	101.9098
53	JEN2_4000_WF_3	KPK KEM MERANTO_3	KELANTAN	ULU NENGGIRI	5.1528	101.9137
54	JEN2_0009_WF_2	LADANG FIRMA_2	KELANTAN	ULU NENGGIRI	4.9680	101.7769
55	JEN2_0009_WF_4	LADANG FIRMA_4	KELANTAN	ULU NENGGIRI	4.9596	101.7797
56	JEN2_0252_WF_1	PARALONG_1	KELANTAN	ULU NENGGIRI	4.9630	101.7488
57	JEN2_0252_WF_2	PARALONG_2	KELANTAN	ULU NENGGIRI	4.9538	101.7481
58	JEN2_0252_WF_3	PARALONG_3	KELANTAN	ULU NENGGIRI	4.9459	101.7473
59	JEN2_0252_WF_4	PARALONG_4	KELANTAN	ULU NENGGIRI	4.9486	101.7618
60	JEN2_0270_WF_1	POS SIMPOR_1	KELANTAN	ULU NENGGIRI	5.0757	101.5393
61	JEN2_0270_WF_2	POS SIMPOR_2	KELANTAN	ULU NENGGIRI	5.0780	101.5385
62	JEN2_0290_WF_1	QUARRY PASIR WIAS_1	KELANTAN	ULU NENGGIRI	5.1873	101.8340
63	JEN2_0287_WF_1	SK PULAT_1	KELANTAN	ULU NENGGIRI	5.0890	101.8374
64	JEN2_0287_WF_2	SK PULAT_2	KELANTAN	ULU NENGGIRI	5.0919	101.8462

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CLUSTER 5: SARAWAK

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
1	JEN2_4684_WF_1	KAMPUNG SIMPANG BULOH_1	SARAWAK	ASAJAYA	1.4721	110.6690
2	JEN2_4684_WF_2	KAMPUNG SIMPANG BULOH_2	SARAWAK	ASAJAYA	1.4706	110.6791
3	JEN2_4684_WF_3	KAMPUNG SIMPANG BULOH_3	SARAWAK	ASAJAYA	1.4843	110.6697
4	JEN2_4579_WF_1	KAMPUNG PADANG PAN BAU	SARAWAK	BAU	1.2976	110.0295
5	JEN2_0620_WF_1	SUBUR TIASA	SARAWAK	BELAGA	2.3461	113.7469
6	JEN2_5190_WF_1	KG SG MAS	SARAWAK	BINTULU	3.0876	113.0018
7	JEN2_5249_WF_1	PALMHEAD QUARRY_1	SARAWAK	BINTULU	3.4389	113.2782
8	JEN2_5249_WF_2	PALMHEAD QUARRY_2	SARAWAK	BINTULU	3.4340	113.2911
9	JEN2_5249_WF_3	PALMHEAD QUARRY_3	SARAWAK	BINTULU	3.4255	113.2775
10	JEN2_5262_WF_1	RH MEW BT 28	SARAWAK	BINTULU	3.3214	113.3511
11	JEN2_5258_WF_1	RH SUHAILI BT 25	SARAWAK	BINTULU	3.2761	113.3205
12	JEN2_1075_WF_1	RUMAH ALO, OYAN ULU SUNGAI OYAN_1	SARAWAK	BUKIT MABONG	2.1621	113.2875
13	JEN2_1075_WF_2	RUMAH ALO, OYAN ULU SUNGAI OYAN_2	SARAWAK	BUKIT MABONG	2.1640	113.2744
14	JEN2_4808_WF_1	JAYA TIASA PHASE 2_1	SARAWAK	DARO	2.4624	111.3543
15	JEN2_4794_WF_1	KAMPONG BELATANAK_1	SARAWAK	DARO	2.5670	111.3274
16	JEN2_1916_WF_1	KG BELATANAK_1	SARAWAK	DARO	2.5681	111.3027
17	JEN2_1872_WF_2	TA ANN MULTI MAXIMUM_2	SARAWAK	DARO	2.5652	111.5006
18	JEN2_4834_WF_1	TANJUNG GELANG - SEMOP_1	SARAWAK	DARO	2.3720	111.4163
19	JEN2_4683_WF_1	KG TANJUNG SAP_1	SARAWAK	GEDONG	1.3480	110.6661
20	JEN2_4672_WF_1	KPF LADANG 01 DIVISION 2_1	SARAWAK	GEDONG	1.4130	110.5954
21	JEN2_4672_WF_2	KPF LADANG 01 DIVISION 2_2	SARAWAK	GEDONG	1.3992	110.6082
22	JEN2_4701_WF_1	LADANG GEDUNG_1	SARAWAK	GEDONG	1.1984	110.7253
23	JEN2_4701_WF_2	LADANG GEDUNG_2	SARAWAK	GEDONG	1.2000	110.7295
24	JEN2_4724_WF_1	LADANG SAWIT SIMUNJAN	SARAWAK	GEDONG	1.2892	110.8818
25	JEN2_1315_WF_1	MELUR GEMILANG PALM OIL MILL_1	SARAWAK	GEDONG	1.2102	110.8136

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
26	JEN2_1315_WF_2	MELUR GEMILANG PALM OIL MILL_2	SARAWAK	GEDONG	1.2148	110.8097
27	JEN2_1312_WF_1	SUNGAI ENSENGAI_1	SARAWAK	GEDONG	1.3808	110.5748
28	JEN2_1908_WF_1	SUNGAI IGAN_1	SARAWAK	IGAN	2.7372	111.7996
29	JEN2_3593_WF_1	DANGGANG_1	SARAWAK	KANOWIT	2.1432	112.3199
30	JEN2_5053_WF_1	KAWASAN KPG. BARU NG JIH	SARAWAK	KANOWIT	2.1963	112.1310
31	JEN2_3682_WF_1	RH MINGGU ANAK LAGA	SARAWAK	KANOWIT	2.0490	112.1980
32	JEN2_3588_WF_1	RUMAH JIMMY AK JARAU_1	SARAWAK	KANOWIT	1.8490	112.2855
33	JEN2_3588_WF_2	RUMAH JIMMY AK JARAU_2	SARAWAK	KANOWIT	1.8413	112.2880
34	JEN2_3588_WF_3	RUMAH JIMMY AK JARAU_3	SARAWAK	KANOWIT	1.8236	112.2835
35	JEN2_3568_WF_1	RUMAH PANJANG GEOFFREY	SARAWAK	KANOWIT	1.9499	112.1010
36	JEN2_5080_WF_1	SG NGEMAH_1	SARAWAK	KANOWIT	1.8627	112.2802
37	JEN2_3514_WF_1	SK NANGA NGEMAH_1	SARAWAK	KANOWIT	2.0331	112.3783
38	JEN2_3514_WF_2	SK NANGA NGEMAH_2	SARAWAK	KANOWIT	2.0305	112.3953
39	JEN2_3514_WF_3	SK NANGA NGEMAH_3	SARAWAK	KANOWIT	2.0424	112.3647
40	JEN2_3511_WF_1	SUNGAI NGEMAH_1	SARAWAK	KANOWIT	1.9057	112.3559
41	JEN2_3574_WF_1	SUNGAI POI KIRI_1	SARAWAK	KANOWIT	1.8973	112.1789
42	JEN2_3574_WF_2	SUNGAI POI KIRI_2	SARAWAK	KANOWIT	1.9118	112.1914
43	JEN2_3570_WF_1	ULU MACHAN_1	SARAWAK	KANOWIT	1.9693	112.1112
44	JEN2_5186_WF_1	KAMPUNG MAN LLI_1	SARAWAK	KAPIT	2.0175	112.9604
45	JEN2_3411_WF_1	KEM KAPIT FORESTY MANAGEMENT UNIT (FMU)	SARAWAK	KAPIT	1.8453	112.8970
46	JEN2_3406_WF_1	RH MANOK MANCHAL_1	SARAWAK	KAPIT	1.9614	112.8492
47	JEN2_3406_WF_2	RH MANOK MANCHAL_2	SARAWAK	KAPIT	1.9755	112.8577
48	JEN2_3546_WF_1	RUMAH KELAU, NANGA LIJAU, BATANG RAJANG_1	SARAWAK	KAPIT	2.0285	112.6202
49	JEN2_3546_WF_2	RUMAH KELAU, NANGA LIJAU, BATANG RAJANG_2	SARAWAK	KAPIT	2.0419	112.6168
50	JEN2_3398_WF_1	RUMAH SEMADA_1	SARAWAK	KAPIT	2.0543	112.8140
51	JEN2_3398_WF_2	RUMAH SEMADA_2	SARAWAK	KAPIT	2.0457	112.7993

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
52	JEN2_3398_WF_3	RUMAH SEMADA_3	SARAWAK	KAPIT	2.0464	112.7961
53	JEN2_3398_WF_6	RUMAH SEMADA_6	SARAWAK	KAPIT	2.0615	112.8247
54	JEN2_3332_WF_5	SK RANTAU PANJAI_5	SARAWAK	KAPIT	1.9012	113.1567
55	JEN2_3332_WF_6	SK RANTAU PANJAI_6	SARAWAK	KAPIT	1.8994	113.1687
56	JEN2_3280_WF_1	SUNGAI ENTANGAI_1	SARAWAK	KAPIT	2.1304	112.6549
57	JEN2_4592_WF_1	KAMPUNG SEGONG	SARAWAK	KUCHING	1.5379	110.1467
58	JEN2_1309_WF_1	KAMPUNG SEGONG_1	SARAWAK	KUCHING	1.5718	110.1517
59	JEN2_1309_WF_2	KAMPUNG SEGONG_2	SARAWAK	KUCHING	1.5664	110.1453
60	JEN2_1309_WF_3	KAMPUNG SEGONG_3	SARAWAK	KUCHING	1.5643	110.1536
61	JEN2_3668_WF_1	SEDEC EQUINE_1	SARAWAK	KUCHING	1.5144	110.4305
62	JEN2_4817_WF_1	JALAN SEMBAU / STUMBIN_1	SARAWAK	LINGGA	1.2804	111.3870
63	JEN2_4650_WF_1	LADANG RAKYAT 2_1	SARAWAK	SAMARAHAN	1.3880	110.4898
64	JEN2_4674_WF_1	LADANG SAMARAHAN 02_1	SARAWAK	SAMARAHAN	1.4359	110.6153
65	JEN2_4674_WF_2	LADANG SAMARAHAN 02_2	SARAWAK	SAMARAHAN	1.4543	110.6153

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CLUSTER 6: SARAWAK

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
1	JEN2_1308_WF_1	AGROGREAN_1	SARAWAK	LUNDU	1.5724	110.0641
2	JEN2_2319_WF_1	FELDA PLANTATION SAMPADI 04_1	SARAWAK	LUNDU	1.6030	110.0860
3	JEN2_4584_WF_1	FELDA PLANTATION SAMPADI 06_1	SARAWAK	LUNDU	1.6141	110.0661
4	JEN2_4561_WF_1	KAMPUNG BUKIT BATU	SARAWAK	LUNDU	1.5691	109.7445
5	JEN2_4568_WF_1	KAMPUNG RASO_1	SARAWAK	LUNDU	1.4585	109.8465
6	JEN2_4575_WF_1	KAMPUNG SAMPADI 05_1	SARAWAK	LUNDU	1.5891	109.9959
7	JEN2_4575_WF_2	KAMPUNG SAMPADI 05_2	SARAWAK	LUNDU	1.5897	109.9981
8	JEN2_0918_WF_1	BATANG LASSA	SARAWAK	MATU	2.6970	111.6821
9	JEN2_2572_WF_1	HARIYAMA ESTATE 2_1	SARAWAK	MATU	2.6382	111.9101
10	JEN2_2571_WF_1	HARIYAMA PLANTATION_1	SARAWAK	MATU	2.5872	111.9077
11	JEN2_4987_WF_1	JASA TIASA	SARAWAK	MATU	2.5475	111.8668
12	JEN2_1885_WF_1	JAYA TIASA ESTATE CAMP_1	SARAWAK	MATU	2.5841	111.6433
13	JEN2_1885_WF_2	JAYA TIASA ESTATE CAMP_2	SARAWAK	MATU	2.5811	111.6409
14	JEN2_0914_WF_1	LADANG TA ANN_1	SARAWAK	MATU	2.5834	111.5886
15	JEN2_4999_WF_1	RUMAH ASWAR_1	SARAWAK	MATU	2.6386	111.8886
16	JEN2_4956_WF_1	BINTAGOR_1	SARAWAK	MERADONG	2.1040	111.7615
17	JEN2_4957_WF_1	JALAN TONG AH_1	SARAWAK	MERADONG	2.1507	111.7717
18	JEN2_4957_WF_2	JALAN TONG AH_2	SARAWAK	MERADONG	2.1522	111.7614
19	JEN2_4957_WF_3	JALAN TONG AH_3	SARAWAK	MERADONG	2.1548	111.7544
20	JEN2_4927_WF_1	KAMPUNG ORANG IBAN 1	SARAWAK	MERADONG	2.2230	111.6783
21	JEN2_4943_WF_1	PLANTATION SG NARASIT_1	SARAWAK	MERADONG	2.1836	111.7398
22	JEN2_4943_WF_2	PLANTATION SG NARASIT_2	SARAWAK	MERADONG	2.1865	111.7319
23	JEN2_4959_WF_1	PRIVATE PALM OIL PLANTATION	SARAWAK	MERADONG	2.1296	111.7726
24	JEN2_2792_WF_1	ZUMIDA OIL PALM PLANTATION_1	SARAWAK	MERADONG	2.2356	111.5259
25	JEN2_2792_WF_2	ZUMIDA OIL PALM PLANTATION_2	SARAWAK	MERADONG	2.2535	111.5240
26	JEN2_1751_WF_1	CLC LADANG TANIQU	SARAWAK	MIRI	4.4054	114.1652

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
27	JEN2_1747_WF_1	RIMAX PRIMALUCK SDN BHD	SARAWAK	MIRI	4.3314	114.1446
28	JEN2_1756_WF_1	WOODMAN ESTATE_1	SARAWAK	MIRI	4.3532	114.1842
29	JEN2_1758_WF_1	WOODMAN KUALA BERAM ESTATE	SARAWAK	MIRI	4.4218	114.1970
30	JEN2_2733_WF_1	BELAWAI COAL MINING	SARAWAK	NANGA MERIT	2.2745	113.0329
31	JEN2_2741_WF_1	NANGA MERIT_1	SARAWAK	NANGA MERIT	2.2854	113.0682
32	JEN2_0676_WF_1	RUMAH SYLVESTER GERUNING_1	SARAWAK	NANGA MERIT	2.3229	113.2305
33	JEN2_0676_WF_2	RUMAH SYLVESTER GERUNING_2	SARAWAK	NANGA MERIT	2.3235	113.2340
34	JEN2_2949_WF_1	BIDAI WATERFALL_1	SARAWAK	NIAH-SUAI	3.6348	113.9706
35	JEN2_1535_WF_1	BLD 4, DIV 2_1	SARAWAK	NIAH-SUAI	3.5383	113.8587
36	JEN2_1535_WF_2	BLD 4, DIV 2_2	SARAWAK	NIAH-SUAI	3.5398	113.8579
37	JEN2_1172_WF_1	GAYANIS ESTATE 2	SARAWAK	NIAH-SUAI	3.3386	113.7641
38	JEN2_1534_WF_1	HASS ESTATE SDN BHD_1	SARAWAK	NIAH-SUAI	3.5113	113.8535
39	JEN2_1534_WF_2	HASS ESTATE SDN BHD_2	SARAWAK	NIAH-SUAI	3.5182	113.8652
40	JEN2_1534_WF_3	HASS ESTATE SDN BHD_3	SARAWAK	NIAH-SUAI	3.5159	113.8646
41	JEN2_1161_WF_1	HASS ESTATE_1	SARAWAK	NIAH-SUAI	3.5354	113.9018
42	JEN2_1461_WF_1	HASS PALM OIL MILL	SARAWAK	NIAH-SUAI	3.5195	113.9281
43	JEN2_2955_WF_1	ITSB SDN BHD_1	SARAWAK	NIAH-SUAI	3.6410	113.9952
44	JEN2_2941_WF_1	NIAMAS 1 ESTATE	SARAWAK	NIAH-SUAI	3.6784	113.9346
45	JEN2_1514_WF_1	RH . EDI AK INGAH_1	SARAWAK	NIAH-SUAI	3.5617	113.8077
46	JEN2_1514_WF_2	RH . EDI AK INGAH_2	SARAWAK	NIAH-SUAI	3.5592	113.8102
47	JEN2_5336_WF_1	RH. ALO AK RIANG_1	SARAWAK	NIAH-SUAI	3.5503	113.6544
48	JEN2_5336_WF_2	RH. ALO AK RIANG_2	SARAWAK	NIAH-SUAI	3.5376	113.6486
49	JEN2_2946_WF_1	SUBIS ESTATE 3	SARAWAK	NIAH-SUAI	3.7776	113.9652
50	JEN2_2945_WF_1	SUNGAI NIAH_1	SARAWAK	NIAH-SUAI	3.6004	113.9591
51	JEN2_0637_WF_1	GAMANG PALM ESTATE_1	SARAWAK	PANTU	1.1880	111.1639
52	JEN2_4762_WF_1	JLN MELEBU-BELADIN_1	SARAWAK	PUSA	1.6257	111.1877
53	JEN2_4762_WF_2	JLN MELEBU-BELADIN_2	SARAWAK	PUSA	1.6255	111.1686
54	JEN2_4783_WF_1	LORONG SELULAP 6_1	SARAWAK	PUSA	1.6391	111.3071

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
55	JEN2_4783_WF_2	LORONG SELULAP 6_2	SARAWAK	PUSA	1.6426	111.3070
56	JEN2_4844_WF_1	BALAI_1	SARAWAK	SARIKEI	2.0456	111.4298
57	JEN2_4844_WF_2	BALAI_2	SARAWAK	SARIKEI	2.0442	111.4379
58	JEN2_0528_WF_4	KAMPUNG SEMARENG_4	SARAWAK	SARIKEI	2.2017	111.5181
59	JEN2_4885_WF_1	RESIDEN MUARA PAYANG	SARAWAK	SARIKEI	2.1767	111.5471
60	JEN2_2820_WF_1	SUNGAI LIMUT_1	SARAWAK	SARIKEI	2.0742	111.2759
61	JEN2_1319_WF_1	BATANG LUPAR 1 (ROAD)	SARAWAK	SEBUYAU	1.4050	111.0507
62	JEN2_4717_WF_1	KAMPUNG STIKA_1	SARAWAK	SEBUYAU	1.4746	110.8300
63	JEN2_4717_WF_2	KAMPUNG STIKA_2	SARAWAK	SEBUYAU	1.4757	110.8320
64	JEN2_4554_WF_1	SUNGEI LIMO BEACH	SARAWAK	SEMATAN	1.9461	109.6357
65	JEN2_4652_WF_1	KAMPUNG SOH	SARAWAK	SIBURAN	1.3327	110.5008
66	JEN2_2953_WF_1	KG SUNGAI KELINTANG_1	SARAWAK	SUBIS	3.8903	113.9890

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CLUSTER 7: SARAWAK

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
1	JEN2_2785_WF_1	CENTENARY GAINS_1	SARAWAK	SEBAUH	2.93853	113.0175
2	JEN2_2909_WF_1	DD PALM OIL MILL SDN BHD - MILL_1	SARAWAK	SEBAUH	3.18549	113.2997
3	JEN2_1167_WF_1	GAYANIS QUARTERS	SARAWAK	SEBAUH	3.33541	113.6655
4	JEN2_0670_WF_1	HOLLYSTONE QUARRY SDN BHD, BUKIT LUMUT QUARRY	SARAWAK	SEBAUH	2.79183	113.6688
5	JEN2_2936_WF_1	JALAN BINTULU-BAKUN_1	SARAWAK	SEBAUH	3.29946	113.4959
6	JEN2_2937_WF_1	JIBA ESTATE-KERESA PLANTATIONS SDN BHD_1	SARAWAK	SEBAUH	3.15015	113.5077
7	JEN2_0799_WF_1	KERESA MILL_1	SARAWAK	SEBAUH	2.8299	113.4259
8	JEN2_0797_WF_1	LADANG SEMAI MEKAR_1	SARAWAK	SEBAUH	3.29348	113.3992
9	JEN2_2928_WF_1	RH BELABOT AK PANAU_1	SARAWAK	SEBAUH	2.86589	113.4403
10	JEN2_2928_WF_2	RH BELABOT AK PANAU_2	SARAWAK	SEBAUH	2.86934	113.4372
11	JEN2_2876_WF_1	RH IMBAT AK INAU_1	SARAWAK	SEBAUH	3.09926	113.5242
12	JEN2_2929_WF_1	RH SULIMAN	SARAWAK	SEBAUH	2.9904	113.4435
13	JEN2_2881_WF_1	SOP SABAJU 1OIL PALM ESTATE_1	SARAWAK	SEBAUH	3.22216	113.542
14	JEN2_2886_WF_1	SRI AKASIA_1	SARAWAK	SEBAUH	3.06428	113.5946
15	JEN2_3458_WF_1	SUNGAI BINIA	SARAWAK	SEBAUH	2.72374	113.3485
16	JEN2_2930_WF_1	SUNGAI BINIA_1	SARAWAK	SEBAUH	2.94225	113.4492
17	JEN2_3440_WF_1	SUNGAI MERIRAI_1	SARAWAK	SEBAUH	2.86684	113.6718
18	JEN2_1170_WF_1	TUBAU FOREST DEVELOPMENT SDN BHD_1	SARAWAK	SEBAUH	3.06399	113.728
19	JEN2_0772_WF_1	RH MANCHA_1	SARAWAK	SELANGAU	2.21155	112.2223
20	JEN2_0772_WF_2	RH MANCHA_2	SARAWAK	SELANGAU	2.20413	112.2186
21	JEN2_3245_WF_1	RUMAH HIMLY	SARAWAK	SELANGAU	2.27651	112.4283
22	JEN2_3272_WF_1	RUMAH SANDOM_1	SARAWAK	SELANGAU	2.30529	112.5706
23	JEN2_3272_WF_2	RUMAH SANDOM_2	SARAWAK	SELANGAU	2.29458	112.6034
24	JEN2_3592_WF_1	SUBUR TIASA HOLDINGS BHD	SARAWAK	SELANGAU	2.19147	112.3022
25	JEN2_3578_WF_1	SUNGAI SENGKALA_1	SARAWAK	SELANGAU	2.2312	112.2115

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
26	JEN2_3578_WF_2	SUNGAI SENGKALA_2	SARAWAK	SELANGAU	2.22086	112.2113
27	JEN2_5107_WF_1	TADIKA SEDIDIK RH SELIAU_1	SARAWAK	SELANGAU	2.28423	112.3862
28	JEN2_4698_WF_1	KAMPUNG MERAKAI	SARAWAK	SERIAN	1.13563	110.7204
29	JEN2_4689_WF_1	KAMPUNG MERAKAI_1	SARAWAK	SERIAN	1.14821	110.6961
30	JEN2_4703_WF_1	KAMPUNG REMINGAN_1	SARAWAK	SERIAN	0.91692	110.7334
31	JEN2_4703_WF_2	KAMPUNG REMINGAN_2	SARAWAK	SERIAN	0.92779	110.7262
32	JEN2_4729_WF_1	KG. SPAOH	SARAWAK	SERIAN	1.18493	110.9147
33	JEN2_2340_WF_1	LADANG TASB, MEMAJU JAYA_1	SARAWAK	SERIAN	0.90929	110.6448
34	JEN2_4666_WF_1	PLANTATION	SARAWAK	SERIAN	1.25818	110.5603
35	JEN2_4634_WF_1	SERIA_1	SARAWAK	SERIAN	1.13938	110.4357
36	JEN2_2346_WF_1	SG KRANJI_1	SARAWAK	SERIAN	0.92975	110.7253
37	JEN2_2341_WF_1	SG. KEDUP, MELIKIN	SARAWAK	SERIAN	0.91197	110.6646
38	JEN2_4679_WF_1	TASB, MEMAJU JAYA, TONG NIBONG_1	SARAWAK	SERIAN	0.90928	110.645
39	JEN2_4679_WF_2	TASB, MEMAJU JAYA, TONG NIBONG_2	SARAWAK	SERIAN	0.91095	110.665
40	JEN2_2343_WF_1	TETANGGA AKRAB SDN BHD_1	SARAWAK	SERIAN	0.90859	110.6812
41	JEN2_4697_WF_1	TH GEDONG PLANTATION_1	SARAWAK	SERIAN	1.11604	110.7125
42	JEN2_4938_WF_1	BLD PLANTATION BHD_1	SARAWAK	SIBU	2.37824	111.7062
43	JEN2_4958_WF_1	HAI KYUNG FURNITURE_1	SARAWAK	SIBU	2.21543	111.7716
44	JEN2_4958_WF_2	HAI KYUNG FURNITURE_2	SARAWAK	SIBU	2.20381	111.7675
45	JEN2_4948_WF_1	SENG LING OIL	SARAWAK	SIBU	2.24263	111.7488
46	JEN2_4998_WF_1	SJK C HANG KWONG_1	SARAWAK	SIBU	2.20479	111.8985
47	JEN2_4998_WF_2	SJK C HANG KWONG_2	SARAWAK	SIBU	2.20386	111.9013
48	JEN2_4998_WF_3	SJK C HANG KWONG_3	SARAWAK	SIBU	2.20898	111.8893
49	JEN2_2816_WF_1	TA ANN PELITA DURIAN PLANTATION_1	SARAWAK	SIBU	2.12892	111.9415
50	JEN2_2816_WF_2	TA ANN PELITA DURIAN PLANTATION_2	SARAWAK	SIBU	2.12405	111.9502
51	JEN2_5034_WF_1	TEAMPLETE PELITA KANOWIT SDN BHD_1	SARAWAK	SIBU	2.23716	112.0395
52	JEN2_5034_WF_2	TEAMPLETE PELITA KANOWIT SDN BHD_2	SARAWAK	SIBU	2.23489	112.0422
53	JEN2_5034_WF_3	TEAMPLETE PELITA KANOWIT SDN BHD_3	SARAWAK	SIBU	2.23206	112.0427

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
54	JEN2_3038_WF_1	BIJAT PLANTATION_1	SARAWAK	SRI AMAN	1.33421	111.4532
55	JEN2_3038_WF_2	BIJAT PLANTATION_2	SARAWAK	SRI AMAN	1.32708	111.4618
56	JEN2_1113_WF_1	ESTATE EVER HERALD SDN. BHD.	SARAWAK	SRI AMAN	1.4177	111.3249
57	JEN2_4817_WF_2	JALAN SEMBAU / STUMBIN_2	SARAWAK	SRI AMAN	1.26805	111.3855
58	JEN2_4832_WF_1	KG BARU SG DAUN	SARAWAK	SRI AMAN	1.24224	111.4136
59	JEN2_4811_WF_2	TRADEWINDS PLANTATION_2	SARAWAK	SRI AMAN	1.41373	111.3616
60	JEN2_4814_WF_1	KG. SERDENG_1	SARAWAK	TANJUNG MANIS	2.33805	111.3771
61	JEN2_2819_WF_1	LADANG PALOH_1	SARAWAK	TANJUNG MANIS	2.34449	111.2522
62	JEN2_2819_WF_2	LADANG PALOH_2	SARAWAK	TANJUNG MANIS	2.33601	111.228
63	JEN2_5173_WF_1	RH ANDREW NANGA BELAWIT_1	SARAWAK	TATAU	2.312	112.9092
64	JEN2_0562_WF_1	RH RAMLEE_1	SARAWAK	TATAU	2.93289	113.0613
65	JEN2_1031_WF_1	WOODMAN PLANTATION_1	SARAWAK	TATAU	3.01107	112.8308
66	JEN2_3308_WF_1	WOODMAN TATAU ESTATE	SARAWAK	TATAU	3.03025	112.8094

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CLUSTER 8: SABAH

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
1	JEN2_3641_WF_1	GEREJA PCS LORO KECIL	SABAH	KUDAT	6.97433	116.7276
2	JEN2_5976_WF_1	JALAN BONGKOL_1	SABAH	KUDAT	6.9313	117.3351
3	JEN2_5976_WF_2	JALAN BONGKOL_2	SABAH	KUDAT	6.93114	117.3366
4	JEN2_2849_WF_1	JALAN KG. MELANGKAP_1	SABAH	KUDAT	6.3128	116.768
5	JEN2_2849_WF_2	JALAN KG. MELANGKAP_2	SABAH	KUDAT	6.30025	116.7568
6	JEN2_2849_WF_3	JALAN KG. MELANGKAP_3	SABAH	KUDAT	6.3022	116.7569
7	JEN2_2849_WF_4	JALAN KG. MELANGKAP_4	SABAH	KUDAT	6.30893	116.7626
8	JEN2_2125_WF_1	JALAN MAGANDAI_1	SABAH	KUDAT	6.4897	117.0408
9	JEN2_2125_WF_2	JALAN MAGANDAI_2	SABAH	KUDAT	6.48747	117.0418
10	JEN2_5757_WF_1	JALAN MANGIN_1	SABAH	KUDAT	6.5614	116.6734
11	JEN2_2826_WF_1	JALAN PISO_1	SABAH	KUDAT	6.39718	116.8482
12	JEN2_5805_WF_1	JALAN SAPI - NANGO_1	SABAH	KUDAT	6.5979	117.0996
13	JEN2_2832_WF_1	KAMPUNG BAMBANGAN	SABAH	KUDAT	6.31569	116.6696
14	JEN2_2114_WF_1	KAMPUNG BAWAL JAMAL_1	SABAH	KUDAT	6.99178	116.7325
15	JEN2_2114_WF_2	KAMPUNG BAWAL JAMAL_2	SABAH	KUDAT	6.99023	116.7308
16	JEN2_2114_WF_3	KAMPUNG BAWAL JAMAL_3	SABAH	KUDAT	6.99478	116.7293
17	JEN2_1230_WF_1	KAMPUNG GUDANG LIMA_1	SABAH	KUDAT	6.6441	116.9315
18	JEN2_2133_WF_1	KAMPUNG MEMBATU LAUT_1	SABAH	KUDAT	6.74087	116.8267
19	JEN2_2133_WF_2	KAMPUNG MEMBATU LAUT_2	SABAH	KUDAT	6.73877	116.825
20	JEN2_0521_WF_1	KAMPUNG SINOGINDAI	SABAH	KUDAT	6.63246	116.9568
21	JEN2_0852_WF_3	KAMPUNG SUNGAI_3	SABAH	KUDAT	6.50173	116.628
22	JEN2_0852_WF_4	KAMPUNG SUNGAI_4	SABAH	KUDAT	6.50059	116.6366
23	JEN2_2847_WF_1	KAMPUNG SURUN SURUN, JALAN KOTA MARUDU-RANAU	SABAH	KUDAT	6.26314	116.7567
24	JEN2_2827_WF_1	KG MAHLIGAI_1	SABAH	KUDAT	6.41985	116.6534
25	JEN2_1227_WF_1	KG MINI TAMPAK_1	SABAH	KUDAT	6.47207	116.8934
26	JEN2_1227_WF_2	KG MINI TAMPAK_2	SABAH	KUDAT	6.47393	116.8886

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
27	JEN2_1227_WF_3	KG MINI TAMPAK_3	SABAH	KUDAT	6.47091	116.8976
28	JEN2_1227_WF_4	KG MINI TAMPAK_4	SABAH	KUDAT	6.47332	116.8906
29	JEN2_2176_WF_1	KG SONITON ULU_1	SABAH	KUDAT	6.51644	117.0203
30	JEN2_0859_WF_1	KG TALAMANSON_1	SABAH	KUDAT	6.37597	116.7406
31	JEN2_2112_WF_1	KG TUKAR PINTAS_1	SABAH	KUDAT	6.61149	117.1307
32	JEN2_2112_WF_2	KG TUKAR PINTAS_2	SABAH	KUDAT	6.60993	117.1307
33	JEN2_2150_WF_1	KG. KINANGKABAN	SABAH	KUDAT	6.54249	116.8875
34	JEN2_1233_WF_1	KG. SAMPARITA_1	SABAH	KUDAT	6.53628	116.9298
35	JEN2_1233_WF_2	KG. SAMPARITA_2	SABAH	KUDAT	6.53585	116.934
36	JEN2_1233_WF_3	KG. SAMPARITA_3	SABAH	KUDAT	6.54164	116.9159
37	JEN2_2122_WF_1	KUDAT CASSAVA HUB_1	SABAH	KUDAT	6.95744	116.7613
38	JEN2_2122_WF_2	KUDAT CASSAVA HUB_2	SABAH	KUDAT	6.96057	116.7625
39	JEN2_2126_WF_1	PALAK LAUT_1	SABAH	KUDAT	7.2098	117.1914
40	JEN2_2120_WF_1	PALAK_1	SABAH	KUDAT	7.21135	117.1778
41	JEN2_2120_WF_2	PALAK_2	SABAH	KUDAT	7.21103	117.1829
42	JEN2_2120_WF_3	PALAK_3	SABAH	KUDAT	7.20416	117.1727
43	JEN2_5775_WF_1	PELIPIKAN ESTATE 2	SABAH	KUDAT	6.369	116.8242
44	JEN2_2854_WF_1	PELIPIKAN ESTATE_1	SABAH	KUDAT	6.36032	116.8004
45	JEN2_2856_WF_1	PILIPIKAN ESTATE 2	SABAH	KUDAT	6.37055	116.8255
46	JEN2_2158_WF_1	PIOLUNGAN MAKAK_1	SABAH	KUDAT	6.56949	116.9199
47	JEN2_2158_WF_2	PIOLUNGAN MAKAK_2	SABAH	KUDAT	6.58317	116.9146
48	JEN2_1980_WF_1	ARIVAN	SABAH	PANTAI BARAT	5.42963	115.9082
49	JEN2_0948_WF_1	BUKIT TIMPAK NULU SALIB_1	SABAH	PANTAI BARAT	5.74422	116.0941
50	JEN2_1580_WF_1	JALAN TUDAN PORING,SK PORING,KG PORING,KG PANTAI	SABAH	PANTAI BARAT	5.88084	116.3217
51	JEN2_5705_WF_1	KAMPUNG KALANGGAAN_1	SABAH	PANTAI BARAT	5.79085	116.2532
52	JEN2_5705_WF_2	KAMPUNG KALANGGAAN_2	SABAH	PANTAI BARAT	5.79065	116.2553
53	JEN2_5705_WF_3	KAMPUNG KALANGGAAN_3	SABAH	PANTAI BARAT	5.79014	116.2549
54	JEN2_5692_WF_1	KG BABAGON TOKI_1	SABAH	PANTAI BARAT	5.95032	116.1904

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
55	JEN2_5692_WF_2	KG BABAGON TOKI_2	SABAH	PANTAI BARAT	5.94925	116.1893
56	JEN2_5692_WF_3	KG BABAGON TOKI_3	SABAH	PANTAI BARAT	5.94842	116.1901
57	JEN2_5692_WF_4	KG BABAGON TOKI_4	SABAH	PANTAI BARAT	5.945	116.2027
58	JEN2_5692_WF_5	KG BABAGON TOKI_5	SABAH	PANTAI BARAT	5.94433	116.2037
59	JEN2_1962_WF_1	KG BINSULUK_1	SABAH	PANTAI BARAT	5.5197	115.7151
60	JEN2_1577_WF_1	KG GONIPIS LAMA KIULU	SABAH	PANTAI BARAT	5.94355	116.3273
61	JEN2_1584_WF_1	KG KIMANUK_1	SABAH	PANTAI BARAT	5.92259	116.3477
62	JEN2_1584_WF_2	KG KIMANUK_2	SABAH	PANTAI BARAT	5.91872	116.3519
63	JEN2_1584_WF_3	KG KIMANUK_3	SABAH	PANTAI BARAT	5.93488	116.3401
64	JEN2_1284_WF_1	KG KOBURAN_1	SABAH	PANTAI BARAT	6.22334	116.4008
65	JEN2_1273_WF_1	KG LOGKOU_1	SABAH	PANTAI BARAT	6.05949	116.2542
66	JEN2_1934_WF_1	KG MANDILAU LAMA, PERTUBUHAN PENGURUSAN HUTAN KOMUNITI KOSUNGUH MANDALIPAU	SABAH	PANTAI BARAT	5.70182	116.1098
67	JEN2_1920_WF_1	KG MANGGIS	SABAH	PANTAI BARAT	5.52601	115.9299
68	JEN2_5711_WF_1	KG MANGKALADOI_1	SABAH	PANTAI BARAT	6.15806	116.2788
69	JEN2_5711_WF_2	KG MANGKALADOI_2	SABAH	PANTAI BARAT	6.16048	116.2894

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CLUSTER 9: SABAH

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
1	JEN2_5711_WF_3	KG MANGKALADOI_3	SABAH	PANTAI BARAT	6.1493	116.2788
2	JEN2_5711_WF_4	KG MANGKALADOI_4	SABAH	PANTAI BARAT	6.1526	116.2731
3	JEN2_5711_WF_5	KG MANGKALADOI_5	SABAH	PANTAI BARAT	6.1590	116.2709
4	JEN2_1365_WF_2	KG MANGKALADOM_2	SABAH	PANTAI BARAT	5.9587	116.3110
5	JEN2_2540_WF_1	KG PAHU, KIULU_1	SABAH	PANTAI BARAT	5.9749	116.4256
6	JEN2_2540_WF_2	KG PAHU, KIULU_2	SABAH	PANTAI BARAT	5.9695	116.4307
7	JEN2_0938_WF_1	KG TINATASAN_1	SABAH	PANTAI BARAT	5.9483	116.4899
8	JEN2_0938_WF_2	KG TINATASAN_2	SABAH	PANTAI BARAT	5.9513	116.4828
9	JEN2_0938_WF_3	KG TINATASAN_3	SABAH	PANTAI BARAT	5.9503	116.4819
10	JEN2_1281_WF_1	KG TOGOP	SABAH	PANTAI BARAT	6.1110	116.3527
11	JEN2_1978_WF_1	KG ULU BONGAWAN	SABAH	PANTAI BARAT	5.4149	115.8943
12	JEN2_5664_WF_1	KG. KIMANIS	SABAH	PANTAI BARAT	5.5390	115.9980
13	JEN2_1363_WF_1	KG. MOYOG_1	SABAH	PANTAI BARAT	5.8758	116.2408
14	JEN2_0949_WF_1	KG. TIMPANGO LAUT_1	SABAH	PANTAI BARAT	5.8180	116.1131
15	JEN2_1925_WF_1	KG. ULU OVAI_1	SABAH	PANTAI BARAT	5.6335	116.0544
16	JEN2_1925_WF_2	KG. ULU OVAI_2	SABAH	PANTAI BARAT	5.6309	116.0525
17	JEN2_1562_WF_1	KIPANDI_1	SABAH	PANTAI BARAT	5.8641	116.2460
18	JEN2_1562_WF_2	KIPANDI_2	SABAH	PANTAI BARAT	5.8553	116.2478
19	JEN2_1275_WF_1	PERPUSTAKAAN TOGUDON_1	SABAH	PANTAI BARAT	5.8543	116.2922
20	JEN2_1275_WF_2	PERPUSTAKAAN TOGUDON_2	SABAH	PANTAI BARAT	5.8589	116.2885
21	JEN2_1275_WF_3	PERPUSTAKAAN TOGUDON_3	SABAH	PANTAI BARAT	5.8582	116.2829
22	JEN2_0942_WF_1	PETER LOW ESTATE_1	SABAH	PANTAI BARAT	5.5716	115.9979
23	JEN2_0942_WF_2	PETER LOW ESTATE_2	SABAH	PANTAI BARAT	5.5734	115.9819
24	JEN2_0942_WF_3	PETER LOW ESTATE_3	SABAH	PANTAI BARAT	5.5661	115.9822
25	JEN2_1949_WF_1	PULAU MENGALUM	SABAH	PANTAI BARAT	6.2104	115.6022
26	JEN2_0944_WF_1	PUNCAK TOMBOTUON_1	SABAH	PANTAI BARAT	5.7929	116.0714

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
27	JEN2_5674_WF_1	SUGUD KITANGAN	SABAH	PANTAI BARAT	5.8342	116.0943
28	JEN2_0701_WF_1	AIR TERJUN SABINAIT_1	SABAH	PEDALAMAN	4.5986	116.3331
29	JEN2_0700_WF_1	AREA SURROUNDING MUKIM_1	SABAH	PEDALAMAN	4.9386	116.2664
30	JEN2_0700_WF_2	AREA SURROUNDING MUKIM_2	SABAH	PEDALAMAN	4.9492	116.2661
31	JEN2_1415_WF_1	DALIT OILT PALM_1	SABAH	PEDALAMAN	4.9580	116.1011
32	JEN2_1415_WF_2	DALIT OILT PALM_2	SABAH	PEDALAMAN	4.9518	116.1012
33	JEN2_1936_WF_1	JALAN ANSIP DALIT_1	SABAH	PEDALAMAN	5.2002	116.1416
34	JEN2_5675_WF_1	JALAN MALAING_1	SABAH	PEDALAMAN	4.8762	116.0854
35	JEN2_1940_WF_1	JALAN TAWAU-KENINGAU_1	SABAH	PEDALAMAN	5.2219	116.2102
36	JEN2_1940_WF_2	JALAN TAWAU-KENINGAU_2	SABAH	PEDALAMAN	5.2311	116.2222
37	JEN2_1940_WF_3	JALAN TAWAU-KENINGAU_3	SABAH	PEDALAMAN	5.2298	116.2265
38	JEN2_1969_WF_1	JLN BATU 60	SABAH	PEDALAMAN	5.3077	115.8261
39	JEN2_0703_WF_1	KAMPUNG SOSOGOH_1	SABAH	PEDALAMAN	4.5564	116.4412
40	JEN2_0703_WF_2	KAMPUNG SOSOGOH_2	SABAH	PEDALAMAN	4.5623	116.4409
41	JEN2_1698_WF_1	KAMPUNG SUMATALUN_1	SABAH	PEDALAMAN	4.4794	116.4331
42	JEN2_1698_WF_2	KAMPUNG SUMATALUN_2	SABAH	PEDALAMAN	4.4845	116.4276
43	JEN2_0697_WF_1	KAMPUNG SUSUON_1	SABAH	PEDALAMAN	4.8991	116.2573
44	JEN2_0492_WF_1	KG BANGAWON_1	SABAH	PEDALAMAN	5.0657	116.3346
45	JEN2_0492_WF_2	KG BANGAWON_2	SABAH	PEDALAMAN	5.0562	116.3332
46	JEN2_1952_WF_1	KG BATU 8	SABAH	PEDALAMAN	5.0094	115.6395
47	JEN2_0691_WF_1	KG BINANUN	SABAH	PEDALAMAN	4.8287	116.2225
48	JEN2_1939_WF_1	KG BUKIT MERAH	SABAH	PEDALAMAN	5.2421	116.2035
49	JEN2_1948_WF_1	KG DAMAI KENINGAU	SABAH	PEDALAMAN	5.2815	116.2850
50	JEN2_1960_WF_1	KG GANUI	SABAH	PEDALAMAN	4.9960	115.6849
51	JEN2_1946_WF_1	KG JALAN PAUN MERAPOK	SABAH	PEDALAMAN	5.3814	116.2549
52	JEN2_5735_WF_1	KG PULUTAN	SABAH	PEDALAMAN	5.2696	116.4032
53	JEN2_3703_WF_1	KG SAKIKILO	SABAH	PEDALAMAN	5.1757	116.2463
54	JEN2_5686_WF_1	KG. NANTABAKAN_1	SABAH	PEDALAMAN	5.1377	116.1418

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
55	JEN2_5686_WF_2	KG. NANTABAKAN_2	SABAH	PEDALAMAN	5.1448	116.1388
56	JEN2_5713_WF_1	KG. SERI MENANTI	SABAH	PEDALAMAN	5.2248	116.2931
57	JEN2_1789_WF_1	KG. TAMPUSISON	SABAH	PEDALAMAN	4.8493	116.4980
58	JEN2_1942_WF_1	KG. TOMDOTUON ULU_1	SABAH	PEDALAMAN	5.2992	116.2381
59	JEN2_5721_WF_1	KG. ULU BONOD_1	SABAH	PEDALAMAN	5.2513	116.3229
60	JEN2_1964_WF_1	LADANG LUMADAN	SABAH	PEDALAMAN	5.3045	115.7596
61	JEN2_5626_WF_1	NGIN KONG GROUP_1	SABAH	PEDALAMAN	5.3102	115.7060
62	JEN2_5626_WF_2	NGIN KONG GROUP_2	SABAH	PEDALAMAN	5.3172	115.7074
63	JEN2_1664_WF_1	SALIM FAH PLATATION SDN BHD_1	SABAH	PEDALAMAN	4.9456	116.1155
64	JEN2_1932_WF_1	SLDB DALIT ESTATE	SABAH	PEDALAMAN	5.0691	116.0912
65	JEN2_2466_WF_1	AAP PLANTATION 481 ESTATE_1	SABAH	SANDAKAN	5.1910	117.9545
66	JEN2_3230_WF_1	AIKBEE PLANTATION_1	SABAH	SANDAKAN	5.2241	117.0238
67	JEN2_2465_WF_1	ANEDON TANAKI ESTATE_1	SABAH	SANDAKAN	5.3310	117.9421
68	JEN2_2465_WF_2	ANEDON TANAKI ESTATE_2	SABAH	SANDAKAN	5.3291	117.9391
69	JEN2_1120_WF_1	AREA SURROUNDING KAMPUNG KARAMUK	SABAH	SANDAKAN	5.3769	117.0672

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CLUSTER 10: SABAH

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
1	JEN2_0606_WF_1	AREA SURROUNDING MULIM_1	SABAH	SANDAKAN	5.48352	117.403
2	JEN2_0606_WF_2	AREA SURROUNDING MULIM_2	SABAH	SANDAKAN	5.48424	117.4048
3	JEN2_0606_WF_3	AREA SURROUNDING MULIM_3	SABAH	SANDAKAN	5.47498	117.4091
4	JEN2_2411_WF_1	BUKIT KRETAM ESTATE_1	SABAH	SANDAKAN	5.44982	118.5866
5	JEN2_0969_WF_1	GENTING LOKAN ESTATE_1	SABAH	SANDAKAN	5.45948	117.7256
6	JEN2_0969_WF_2	GENTING LOKAN ESTATE_2	SABAH	SANDAKAN	5.45257	117.7306
7	JEN2_0969_WF_3	GENTING LOKAN ESTATE_3	SABAH	SANDAKAN	5.46609	117.7288
8	JEN2_0969_WF_4	GENTING LOKAN ESTATE_4	SABAH	SANDAKAN	5.47446	117.7219
9	JEN2_3159_WF_1	GENTING PLANTATIONS_1	SABAH	SANDAKAN	5.2615	117.0669
10	JEN2_5917_WF_1	GENTING WAWASAN ESTATE_1	SABAH	SANDAKAN	5.63955	118.0184
11	JEN2_3151_WF_1	IMBAK CANYON FALLS_1	SABAH	SANDAKAN	5.11451	117.041
12	JEN2_2997_WF_1	JALAN NABAWAN KALABAKAN	SABAH	SANDAKAN	4.54303	117.0578
13	JEN2_0589_WF_1	JAYATAS ESTATE	SABAH	SANDAKAN	5.37861	118.1632
14	JEN2_0604_WF_2	KAMPUS SUNGAI SAPI, BOUSTED TAWAI ESTATE 2 QUARTERS, OFFICE AND PLANTATION_2	SABAH	SANDAKAN	5.59216	117.3731
15	JEN2_3183_WF_1	KARAMUAK ESTATE_1	SABAH	SANDAKAN	5.34076	117.1862
16	JEN2_3183_WF_2	KARAMUAK ESTATE_2	SABAH	SANDAKAN	5.34286	117.1866
17	JEN2_3183_WF_3	KARAMUAK ESTATE_3	SABAH	SANDAKAN	5.33874	117.1603
18	JEN2_3183_WF_4	KARAMUAK ESTATE_4	SABAH	SANDAKAN	5.32235	117.1966
19	JEN2_3146_WF_1	KG BOBOTONG_1	SABAH	SANDAKAN	5.43267	117.0358
20	JEN2_3146_WF_2	KG BOBOTONG_2	SABAH	SANDAKAN	5.42351	117.0452
21	JEN2_0927_WF_1	KG SINARON_1	SABAH	SANDAKAN	5.44457	116.6289
22	JEN2_0927_WF_2	KG SINARON_2	SABAH	SANDAKAN	5.44319	116.6234
23	JEN2_2509_WF_1	KG SINUA_1	SABAH	SANDAKAN	5.50196	116.6381
24	JEN2_1399_WF_2	Kg. Bobotong_2	SABAH	SANDAKAN	5.40357	117.0487
25	JEN2_5905_WF_1	KG. SIMAGUN_1	SABAH	SANDAKAN	5.76021	117.8947

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
26	JEN2_5905_WF_2	KG. SIMAGUN_2	SABAH	SANDAKAN	5.76381	117.8962
27	JEN2_2448_WF_1	KWANTAS PINTASAN 2 ESTATE (1)	SABAH	SANDAKAN	5.24545	117.7962
28	JEN2_2436_WF_1	KWANTAS PINTASAN 4 ESTATE_1	SABAH	SANDAKAN	5.2282	117.7491
29	JEN2_2436_WF_2	KWANTAS PINTASAN 4 ESTATE_2	SABAH	SANDAKAN	5.22531	117.745
30	JEN2_3484_WF_1	LADANG MALUA	SABAH	SANDAKAN	5.25078	117.557
31	JEN2_0970_WF_1	LADANG SEGAR USAHA_1	SABAH	SANDAKAN	5.61271	117.7331
32	JEN2_0970_WF_2	LADANG SEGAR USAHA_2	SABAH	SANDAKAN	5.60471	117.7311
33	JEN2_2446_WF_1	LIEW PING ESTATE_1	SABAH	SANDAKAN	5.41768	117.7996
34	JEN2_1124_WF_1	LIMPADA_1	SABAH	SANDAKAN	5.23576	116.7285
35	JEN2_3485_WF_1	MALUA ESTATE_1	SABAH	SANDAKAN	5.27593	117.5915
36	JEN2_2453_WF_1	Nam Wah Plantation Div 3_1	SABAH	SANDAKAN	5.4303	117.8432
37	JEN2_2475_WF_1	PARIS_1	SABAH	SANDAKAN	5.27281	118.0071
38	JEN2_2475_WF_2	PARIS_2	SABAH	SANDAKAN	5.2742	118.0152
39	JEN2_2475_WF_3	PARIS_3	SABAH	SANDAKAN	5.27194	118.0006
40	JEN2_2475_WF_4	PARIS_4	SABAH	SANDAKAN	5.26626	117.9988
41	JEN2_2442_WF_1	PNITASAN	SABAH	SANDAKAN	5.26161	117.7655
42	JEN2_5930_WF_1	SANDAUMAS_1	SABAH	SANDAKAN	5.2427	118.1307
43	JEN2_1773_WF_1	SUNGAI MELIKOP	SABAH	SANDAKAN	5.1037	116.7117
44	JEN2_1299_WF_1	SUNGAI PINANGAH	SABAH	SANDAKAN	4.9901	116.8377
45	JEN2_2504_WF_1	TANJUNG PANJANG PALM OIL MILL	SABAH	SANDAKAN	5.64149	118.3338
46	JEN2_1136_WF_2	TAWAI ESTATE 2_2	SABAH	SANDAKAN	5.60354	117.3635
47	JEN2_2460_WF_1	TEKAD MAJU ESTATE	SABAH	SANDAKAN	5.63026	117.9165
48	JEN2_5895_WF_1	TH BUKIT BELIAN ESTATE	SABAH	SANDAKAN	5.67294	117.8259
49	JEN2_2409_WF_1	UNICO 3 ESTATE_1	SABAH	SANDAKAN	5.43649	118.5608
50	JEN2_1799_WF_1	UNITED MALACCA BHD_1	SABAH	SANDAKAN	5.19311	116.5439
51	JEN2_3147_WF_1	VAST BILLION_1	SABAH	SANDAKAN	5.46357	117.0325
52	JEN2_5867_WF_1	FU YEE SAWMILL	SABAH	TAWAU	4.45383	117.5955
53	JEN2_3004_WF_1	HENG ANN COCOA PLANTATIONS_1	SABAH	TAWAU	4.20594	117.6804

NO	SITE ID	SITE NAME	STATE	UST	LATITUDE	LONGITUDE
54	JEN2_3004_WF_2	HENG ANN COCOA PLANTATIONS_2	SABAH	TAWAU	4.20458	117.6995
55	JEN2_3004_WF_3	HENG ANN COCOA PLANTATIONS_3	SABAH	TAWAU	4.19732	117.6967
56	JEN2_3004_WF_4	HENG ANN COCOA PLANTATIONS_4	SABAH	TAWAU	4.20471	117.7079
57	JEN2_0525_WF_1	KALUMPANG_1	SABAH	TAWAU	4.47908	118.2439
58	JEN2_3501_WF_1	LADANG MALIAU_1	SABAH	TAWAU	4.74443	117.3141
59	JEN2_3501_WF_2	LADANG MALIAU_2	SABAH	TAWAU	4.73429	117.3033
60	JEN2_3007_WF_1	MARIS RIVER CAMP- INIKEA_1	SABAH	TAWAU	4.58858	117.272
61	JEN2_3007_WF_2	MARIS RIVER CAMP- INIKEA_2	SABAH	TAWAU	4.56137	117.2735
62	JEN2_5857_WF_1	MAWANG ESTATE_1	SABAH	TAWAU	4.55362	117.481
63	JEN2_5857_WF_2	MAWANG ESTATE_2	SABAH	TAWAU	4.55379	117.4856
64	JEN2_5857_WF_3	MAWANG ESTATE_3	SABAH	TAWAU	4.55139	117.4877
65	JEN2_3006_WF_1	SEBATIK PLANTATIONS	SABAH	TAWAU	4.17246	117.7469
66	JEN2_1047_WF_1	SILIMPOPON ESTATE 2,PLANTATION OFFICE, WORKERS QUARTERS, MAIN ROAD_1	SABAH	TAWAU	4.36293	117.4318
67	JEN2_1047_WF_2	SILIMPOPON ESTATE 2,PLANTATION OFFICE, WORKERS QUARTERS, MAIN ROAD_2	SABAH	TAWAU	4.36224	117.4304
68	JEN2_1047_WF_3	SILIMPOPON ESTATE 2,PLANTATION OFFICE, WORKERS QUARTERS, MAIN ROAD_3	SABAH	TAWAU	4.37239	117.4335
69	JEN2_3495_WF_2	YUWANG PLANTATION_2	SABAH	TAWAU	4.73197	117.7123

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APPENDIX 2 – REGISTRATION OF INTEREST FORM

[To be printed on Interested Licensee's Letterhead]

REGISTRATION OF INTEREST

Ref No. :
Date :

To: **MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION**
MCMC Tower 1, Jalan Impact, Cyber 6
63000 Cyberjaya, Selangor
(Attention: Universal Service Provision Division)

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 SERVICE DELIVERY THROUGH SATELLITE CONNECTIVITY UNDER THE *JALINAN DIGITAL NEGARA (JENDELA) 2* INITIATIVE

Reference is made to the above and to the "Invitation to Register Interest as a Universal Service Provider – Ref. no. "SKMM/USPD/UPD/190_JEN2/Invitation(J2/BWA/2026)" ("Invitation") issued by MCMC.

2. 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"), for the following scope:

- Part 1
- Part 2

for the Universal Service Targets specified below:

- i. Cluster No. xx of xx
- ii. Cluster No. xx of xx
- iii. Cluster No. xx of xx

3. In compliance with the requirements stipulated under the Communications and Multimedia Act 1998 and its subsidiary regulations, we provide below a detailed list of

the licence(s) are currently held by our organisation.

- (a) Network Facilities Provider (NFP(I)) : [Specify Licence No.]
 - (b) Network Service Provider (NSP(I)) : [Specify Licence No.]
 - (c) Applications Service Provider (ASP(C)) : [Specify Licence No.]
- (*where applicable)*

4. 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

[Company Stamp]

.....
(Name and Designation)

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

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APPENDIX 3 – LICENSEE’S INFORMATION

The Interested Licensee shall submit the documents as follows:

1. Certified true copy of the following:
 - a) NFP(I), NSP(I) and ASP(C) licences for Part 1 or;
 - b) NSP(I) licence for Part 2
2. 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.
3. A certified true copy of a valid CIDB certificate under the name of the Interested Licensee.
4. Identity of collaboration partner (if applicable)
5. Number of employees to undertake the Project
6. Financial details
 - a) Assets (RM);
 - b) Liabilities (RM);
 - c) Net Worth (Assets – Liabilities) (RM):
7. Certified true copy of bank statements for the past three (3) consecutive months.
8. Certified true copy of audited accounts for the past three (3) consecutive financial years.
9. A brief write-up of the Interested Licensee’s track record in handling previous USP projects (please specify the projects, scope of works and delivery timelines, if relevant) as shown in the table below:

No.	USP Project	Role played	Scope of work	Delivery timeline	Project cost (RM)
1.					

10. Track record and relevant experience in the similar project:

No.	Project Name	Role played	Client(s)	Scope of work	Delivery timeline/ year	Project value (RM)

11. Brief information of the project management team shall be specified in a format 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

The position shall include but not limited to Project Manager/Director, Systems Architect, Cyber Security Manager, Technical Lead, Systems Engineers, Network Engineers and Developers

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APPENDIX 4 – SCOPE OF DRAFT UNIVERSAL SERVICE PLAN.

Scope of Draft Universal Service Plan

PART 1 – BWA SERVICES

Technical proposal for PART 1

SECTION	DESCRIPTION
SECTION A	EXECUTIVE SUMMARY FOR CLUSTER NO. #
	<p>Overview of the technical proposal. Interested Licensee shall submit the Project technical proposal, which comprises the following documents.</p> <p>a) Project understanding</p> <ul style="list-style-type: none"> • Overview of the project objectives, scope, challenges and site conditions. • Identification of key risks (e.g., remote site access, permitting delays) and mitigation strategies. • Alignment with JENDELA 2 programme goals and timelines. <p>b) Foundation and poles erection method statement</p> <p>Step-by-step process for civil works, foundation construction, poles erection and equipment installation, which includes:</p> <ul style="list-style-type: none"> • Erection of foundation and poles • Equipment installation plan procedures • Testing and commissioning plan and procedures • Safety measures for lifting and working at heights • Quality control checks during each stage

	<p>c) Site acquisition, Permitting and Tenancy Plan Management and execution Plan. Detailed approach for securing site access and legal approvals.</p> <ul style="list-style-type: none"> Engagement strategy with local authorities and landowners Timeline for permit applications and expected lead times Risk mitigation for delays (e.g., alternate sites, escalation process). <p>d) 2 years OPEX implementation plan</p> <ul style="list-style-type: none"> Operations & Maintenance Plan — preventive and corrective maintenance activities and service model. Resource & Workforce Plan — required manpower, roles, and deployment arrangement over 2 years. Risk & Mitigation Summary — key operational risks and how they will be managed during the 2-year period. 								
SECTION B	TECHNICAL PROPOSAL FOR CLUSTER NO. #								
B1	Summary of the technical proposal.								
	<ul style="list-style-type: none"> Solution Diagram Detailed Technical Specification for Wi-Fi Access Systems (not limited to Access Point, Switch, Cabling and etc.) Overall Site Summary as per the table below: 								
	No	State	Site ID	UST	Pole / Wall Mounting Height(m)	Compound Size (m) (L x W)	No of Population	Type of Power Supply	Existing Mobile Service Available? (Yes/No)

	<p>Note: <i>The Interested Licensee(s) must use 6-way Neutral Host Mobile Wi-Fi Offload as the Wi-Fi Infrastructure sharing solution for this Project.</i></p>
B2	Please attach the BOQ for each location. Refer to APPENDIX 7 for BOQ template.
B3	<p>1. Proposed network block diagram Wi-Fi Access Systems solution(s). The proposed network dimensioning for all identified locations in Appendix 1 of this Invitation shall be as follows:</p> <p>a) Throughput – the average throughput of 10Mbps per user during all three (3) peak hours as defined below:</p> <ul style="list-style-type: none"> i. 7.00am – 10.00am ii. 2.00pm – 3.00pm iii. 8.00pm - 10.00pm <p>b) Subscribers – target 60% of the subscribers within the identified UST location to get average throughput of 10Mbps per user at any point of time for five (5) concurrent cellular mobile service providers</p> <p>c) Signal strength - average signal strength must be at least between - 50 to - 67 dBm; and</p> <p>d) Network availability - must be at least 98% of the time in a year, excluding any scheduled downtime</p> <p>2. Network topology for interoperability and interconnection for the overall network:</p> <ul style="list-style-type: none"> • Site ID; • Location of Data Center for Cloud/Centralised Network services (if any); • Location of Level 1 Monitoring NOC; • Support Organization Chart, Escalation and Contact Details and Others (please specify clearly).
SECTION C	REPORTING AND HSE INFORMATION

C	<p>1. Work Program level 3 for each cluster, detailing starting date and completion date for each site by using MS Project software.</p> <p>2. Health, Safety and Environmental (HSE)</p> <p>Interested Licensee shall submit the (HSE) document comprising of the following:</p> <p>a) HSE Policy</p> <ul style="list-style-type: none"> • A formal statement outlining the company’s commitment to health, safety, and environmental protection. • Must align with DOSH regulations, Malaysian environmental laws, and industry best practices. • Should include objectives such as zero accidents, safe work practices, and environmental sustainability. <p>b) HSE Plan for the Project.</p> <ul style="list-style-type: none"> • Risk assessment and hazard identification • PPE requirements and compliance monitoring • Incident reporting and corrective actions <p>c) HSE Organisation Chart</p> <p>A clear structure showing roles and responsibilities for HSE management within the project.</p> <ul style="list-style-type: none"> • Must Identify HSE Officer (certified and appointed) • Reporting lines to project management <p>d) Quality Management Plan</p> <p>Interested Licensee shall submit Procedures for ensuring quality across all deliverables. Shall include:</p> <ul style="list-style-type: none"> • Inspection and test plans • Material verification and certification • Non-conformance reporting and corrective actions
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	<ul style="list-style-type: none"> • Document control and audit readiness • Quality Personnel and organisation chart <p>Reference to ISO 9001 or equivalent standards is recommended.</p> <p>e) Risk Management Plan. Interested Licensee shall submit a Risk Management Plan that demonstrates their ability to identify, assess, and mitigate risks associated with the project. The plan must include a risk register, mitigation strategies, and monitoring framework.</p>																		
SECTION D	PROPOSED IMPLEMENTATION TIMELINE																		
	<p>1. The Interested Licensee shall submit a detailed Implementation timeline as part of its proposal that clearly outlines all phases of the project from commencement to full completion in the table format as specified below.</p> <table border="1" data-bbox="405 722 2058 1075"> <thead> <tr style="background-color: #4F81BD; color: white;"> <th style="width: 15%;">Milestone No.</th> <th style="width: 15%;">Month</th> <th style="width: 70%;">General Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">3</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">4</td> <td></td> <td></td> </tr> <tr style="background-color: #4F81BD; color: white;"> <td style="text-align: center;">Total</td> <td style="text-align: center;">6</td> <td></td> </tr> </tbody> </table>	Milestone No.	Month	General Description	1			2			3			4			Total	6	
Milestone No.	Month	General Description																	
1																			
2																			
3																			
4																			
Total	6																		

Financial proposal for PART 1

Note:

All pages of the 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 complete and attach the provided BOQ for each location. Refer Appendix 7
SECTION C	OTHER INFORMATION
	Other information deemed necessary.

PART 2 – AAA NHP

Technical proposal for PART 2

SECTION	DESCRIPTION
SECTION A	EXECUTIVE SUMMARY FOR AAA NEUTRAL HOST PLATFORM AS A SERVICE
	Overview of the technical proposal.
SECTION B	TECHNICAL PROPOSAL
B1	<p>Summary of the technical proposal.</p> <ol style="list-style-type: none"> 1. Systems Architecture 2. Proposed network block diagram for Mobile to Wi-Fi Offload sharing solution(s). The proposed network dimensioning for this Invitation shall be as follows: <ol style="list-style-type: none"> a. Network availability - must be at least 98% of the time in a year, excluding any scheduled downtime b. Support at least 1.5Mil Subscribers 3. Network topology for interoperability and interconnection for the overall network: <ol style="list-style-type: none"> a. Cloud Provider; b. Location of Point of Interconnect for Mobile Wi-Fi Offload Neutral Host Service ; c. Location of NOC; and d. Others (please specify clearly). 4. Comprehensive details of Captive Portal Capability, Payment Gateway over SMS and WhatsApp and Mobile Wi-Fi Offload Neutral Host Platform sharing solution for Mobile to Wi-Fi Offload services. 5. Payment Gateway Integration 6. Mobile Offload Technical Architecture and Call Flows 7. Mobile Network integration (current production to Malaysian MNO)

	<p>8. Mobile network Integration (planned)</p> <p>9. Reporting and Analytics</p> <p>10. Currently Integrated Wireless LAN Controllers</p> <p>11. Support Personally and Structure</p> <p>12. Satellite and AAA Service provisioning flow</p>
B2	Please complete and attach the provided BOQ. Refer Appendix 7 .
SECTION C	REPORTING AND HSE INFORMATION
C	<p>1. Work Program level 3 for each cluster, detailing starting date and completion date for each site by using MS Project software.</p> <p>2. Health, Safety and Environmental (HSE)</p> <p>Interested Licensee shall submit the (HSE) document comprising of the following:</p> <p>a) HSE Policy</p> <ul style="list-style-type: none"> • A formal statement outlining the company’s commitment to health, safety, and environmental protection. • Must align with DOSH regulations, Malaysian environmental laws, and industry best practices. • Should include objectives such as zero accidents, safe work practices, and environmental sustainability. <p>b) HSE Plan for the Project.</p> <ul style="list-style-type: none"> • Risk assessment and hazard identification • PPE requirements and compliance monitoring • Incident reporting and corrective actions <p>c) HSE Organisation Chart</p> <p>A clear structure showing roles and responsibilities for HSE management within the project.</p>

	<ul style="list-style-type: none"> • Must Identify HSE Officer (certified and appointed) • Reporting lines to project management <p>d) Quality Management Plan Interested Licensee shall submit Procedures for ensuring quality across all deliverables. Shall include:</p> <ul style="list-style-type: none"> • Inspection and test plans • Material verification and certification • Non-conformance reporting and corrective actions • Document control and audit readiness • Quality Personnel and organisation chart <p>Reference to ISO 9001 or equivalent standards is recommended.</p> <p>e) Risk Management Plan. Interested Licensee shall submit a Risk Management Plan that demonstrates their ability to identify, assess, and mitigate risks associated with the project. The plan must include a risk register, mitigation strategies, and monitoring framework.</p>																		
SECTION D	PROPOSED IMPLEMENTATION TIMELINE																		
	<p>2. The Interested Licensee shall submit a detailed Implementation timeline as part of its proposal that clearly outlines all phases of the project from commencement to full completion in a table format as specified below.</p> <table border="1" data-bbox="367 1050 2134 1345"> <thead> <tr style="background-color: #4F81BD; color: white;"> <th style="width: 15%;">Milestone No.</th> <th style="width: 15%;">Month</th> <th style="width: 70%;">General Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">3</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">4</td> <td></td> <td></td> </tr> <tr style="background-color: #4F81BD; color: white;"> <td style="text-align: center;">Total</td> <td style="text-align: center;">6</td> <td></td> </tr> </tbody> </table>	Milestone No.	Month	General Description	1			2			3			4			Total	6	
Milestone No.	Month	General Description																	
1																			
2																			
3																			
4																			
Total	6																		

Financial proposal for PART 2

Note:

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

SECTION	DESCRIPTION
SECTION A	EXECUTIVE SUMMARY
A	Overview of the financial proposal.
SECTION B	FINANCIAL PROPOSAL
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 complete and attach the provided BOQ. Refer Appendix 7 .
SECTION C	OTHER INFORMATION
	Other information deemed necessary.

APPENDIX 5 – TEMPLATE FOR FINANCIAL PROPOSAL

PART 1 – BWA SERVICES

- Detailed cost to design, supply, install, test, commission, and operate network service equipment and services related to providing Wi-Fi Access Systems:
 - i. Detailed cost breakdown for the entire project (for CAPEX and OPEX), and by year and month (OPEX only); and
 - ii. A clear explanation on the details of the ownership for all CAPEX items paid for by the USP Fund
 - iii. Please key in the value to attachment **Appendix 5 – Part 2 Template for Financial Proposal .xls** file

Capital Expenditure (CAPEX)

NO	State	Site ID	Site Name	Cluster	A Preliminaries and General Requirements	B Site Planning & Design	C Site Acquisition & Permitting	D Site Preparation Works & Earthworks	E Pole / Structure Supply and Installation	F Earthing & Lightning Protection System	G Commercial Power Supply (CPS), Electrical Works and AC power Equipment	H Solar Power (Renewable Energy) System (for off-grid site)	I Perimeter Fencing & Gates	J Access Points Equipment and Systems	K Point-to-Multipoint Equipment and Systems	L Point-to-Point Equipment and Systems	M Network Equipment and Systems	N Software Systems	O Satellite Backhaul System	P Project Management Services	Q Documentation	ADDITIONAL WORKS	TOTAL CAPEX			
																							RM	-		
																								RM	-	
																								RM	-	
																								RM	-	
																								TOTAL CAPEX (RM)	RM	-

Note:

- The amount shall be carried forward from the completed priced BOQ provided in **Appendix 7 – PART 2 Bill of Quantity**
- All prices shall be inclusive of any applicable tax imposed by the Government.
- For items which are not application, remark “NA”
- 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 DUSP (not claimable from the USP Fund).

Operational Expenditure (OPEX)

NO	State	Site ID	Site Name	Cluster	A Rentals and Permits	B Pole Physical Site Maintenance & Management	C Active Equipment Maintenance	D Utility Charges	E Network Monitoring and Performance Management	F Project Management	G Documentation	OTHERS	TOTAL OPEX
													RM -
													RM -
													RM -
													TOTAL OPEX (RM) RM -

Note:

- The amount shall be carried forward from the completed priced BOQ provided in **Appendix 7 – PART 2 Bill of Quantities**
- All prices shall be inclusive of any applicable tax imposed by the Government

Signed for and on behalf of

Company Stamp

.....

.....

by *[to be signed by the Chief Executive Officer or a person who holds an equivalent designation in the Interested Licensee]*.
All signatures, initials, and other handwritten marks on the original hard copy of the proposals must be made in blue ink.

PART 2 – AAA NHP

- Detailed breakdown of cost to design, supply, install, test, commission, and operate network service equipment and services related to providing AAA Neutral Host Platform:

NO	LABEL	DESCRIPTION	QTY	UNIT	UNIT PRICE (INCL. TAX)	AMOUNT (RM)
CAPEX						
A		One-time Integration Charges				
	1	Integration to MNO for Authentication over RADIUS/DIAMETER for EAP-SIM/AKA - Includes necessary software licenses - EAP-SIM/AKA Authentication - Radius Proxy - Charging Integration - integration Documentation and Approvals - Security Compliance - All items as per Technical Statement of Compliance	6	MNO		
B		Wi-Fi AAA Services				
	1	Wi-Fi AAA inclusive of Mobile Offload services for 2 years - includes all the items in the SOC - PaaS Hosting Services - Integration to BWA Wireless LAN Controllers - Payment Gateway - MNO Traffic Routing and Reporting		Access Points		
					TOTAL	

Note:

- The amount shall be carried forward from the completed priced BOQ provided in **Appendix 7 – PART 2 Bill of Quantities**
- All prices shall be inclusive of any applicable tax imposed by the Government

Signed for and on behalf of

Company Stamp

.....

.....

by *[to be signed by the Chief Executive Officer or a person who holds an equivalent designation in the Interested Licensee]*.
All signatures, initials, and other handwritten marks on the original hard copy of the proposals must be made in blue ink.

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APPENDIX 6 – CLAIMS SCHEDULE

PART 1 – BWA SERVICES

Wi-Fi Access Systems

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:

A. Claim schedule

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 DUSP 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 in the form and format specified by the Commission and shall be made upon broadband wireless access services at UST(s) being confirmed “on air” and available for use by the end users, which shall be signified through the 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 in the form and format specified by the Commission and shall be made twelve (12) months <u>AFTER</u> the submission of the Declaration of the site being “on air” and available for use by the end user, is received by the Commission. The submission of the final payment claim(s) shall also be accompanied by a declaration of an external licensed auditor appointed by the DUSP 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	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 DUSP.

Note:

The Commission reserves the right to verify the written claim(s) for each site location in the USTs specified in **Appendix 1** of this Invitation, submitted by the DUSP pursuant to the USP Regulations, prior to making any payments, and the verification made by the Commission shall be final.

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PART 2 – AAA NHP

AAA Neutral Host Platform-as-a-Service

A. INTEGRATION COST

Milestone No.	Claim (%)	Description	Conditions
Capital Expenditure (“CAPEX”)			
1.	10	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 the DUSP’s acceptance of the Notification of Approval; and b) Acceptance of the Performance Bond by the Commission.
3	12	1 st Progress Claim	Submission of written claim(s) shall be in the form and format specified by the Commission and shall be made upon the 1 st MNO Integration services being confirmed RFS and available for use by the end users, which shall be signified through the submission of the Declaration of the completion of work.
4	12	2 nd Progress Claim	Submission of written claim(s) shall be in the form and format specified by the Commission and shall be made upon the 2 nd MNO Integration services being confirmed RFS, and available for use by the end users, which shall be signified through the submission of the Declaration of the completion of work.

Milestone No.	Claim (%)	Description	Conditions
Capital Expenditure (“CAPEX”)			
5	12	3 rd Progress Claim	Submission of written claim(s) shall be in the form and format specified by the Commission and shall be made upon the 3 rd MNO Integration services being confirmed RFS and available for use by the end users, which shall be signified through the submission of the Declaration of the completion of work.
6	12	4 th Progress Claim	Submission of written claim(s) shall be in the form and format specified by the Commission and shall be made upon the 4 th MNO Integration services being confirmed RFS and available for use by the end users, which shall be signified through the submission of the Declaration of the completion of work.
7	12	5 th Progress Claim	Submission of written claim(s) shall be in the form and format specified by the Commission and shall be made upon the 5 th MNO Integration services being confirmed, RFS, and available for use by the end users, which shall be signified through the submission of the Declaration of the completion of work.
8	12	6 th Progress Claim	Submission of written claim(s) shall be in the form and format specified by the Commission and shall be made upon the 6 th MNO Integration services being confirmed RFS, and available for use by the end users, which shall be signified through the submission of the Declaration of the completion of work.

Milestone No.	Claim (%)	Description	Conditions
Capital Expenditure (“CAPEX”)			
9	10	Final Payment Claim	<p>Submission of written claim(s) shall be in the form and format specified by the Commission and shall be made twelve (12) months AFTER the submission of the Declaration of the site being “RFS” and available for use by the end user, is received by the Commission.</p> <p>The submission of the final payment claim(s) shall also be accompanied by a declaration of an external licensed auditor appointed by the DUSP to certify that the Work has been delivered and that all claims made have been verified to be accurate and true.</p>
Total	100		

B. Wi-Fi AAA License

Milestone No.	Claim (%)	Description	Conditions
Operational Expenditure (“OPEX”)			
10	100	Quarterly Payment Claim [throughout the period of two (2) years Operational Period]	Submission at the beginning of the Operational Period shall be in the form and format specified by the Commission and accompanied by a Declaration made by the DUSP.

Note:

The Commission reserves the right to verify the written claim(s) for each site location in the USTs specified in **Appendix 1** of this Invitation, submitted by the DUSP pursuant to the USP Regulations, prior to making any payments, and the verification made by the Commission shall be final.

APPENDIX 7 – BILL OF QUANTITIES

The Commission shall provide the relevant information via separate links to Interested Licensees that have duly submitted their Registration of Interest (ROI) form, subject to verification and acceptance by the Commission.

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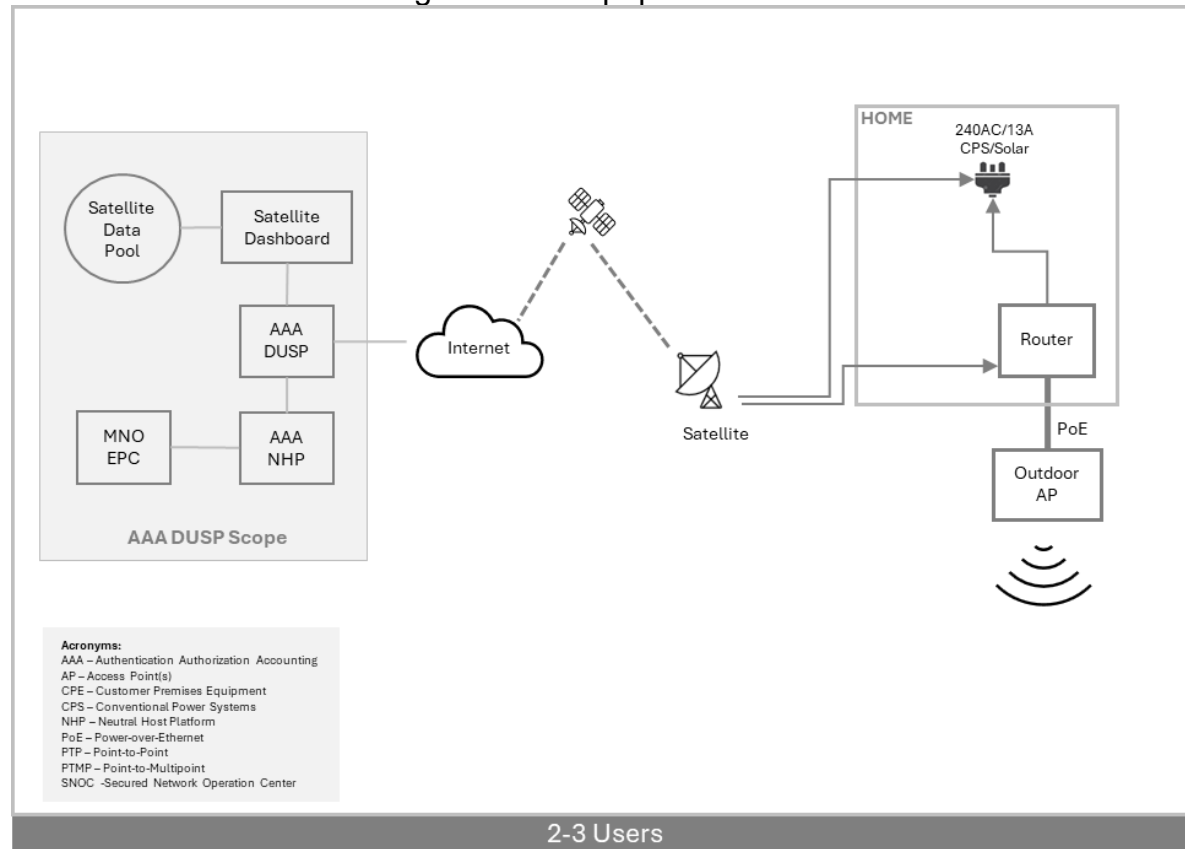
APPENDIX 8 – DRAWINGS

Reference Designs

Following are reference Designs for the deployment of BWA in various User and Residential dispersion layout

Wi-Fi Home

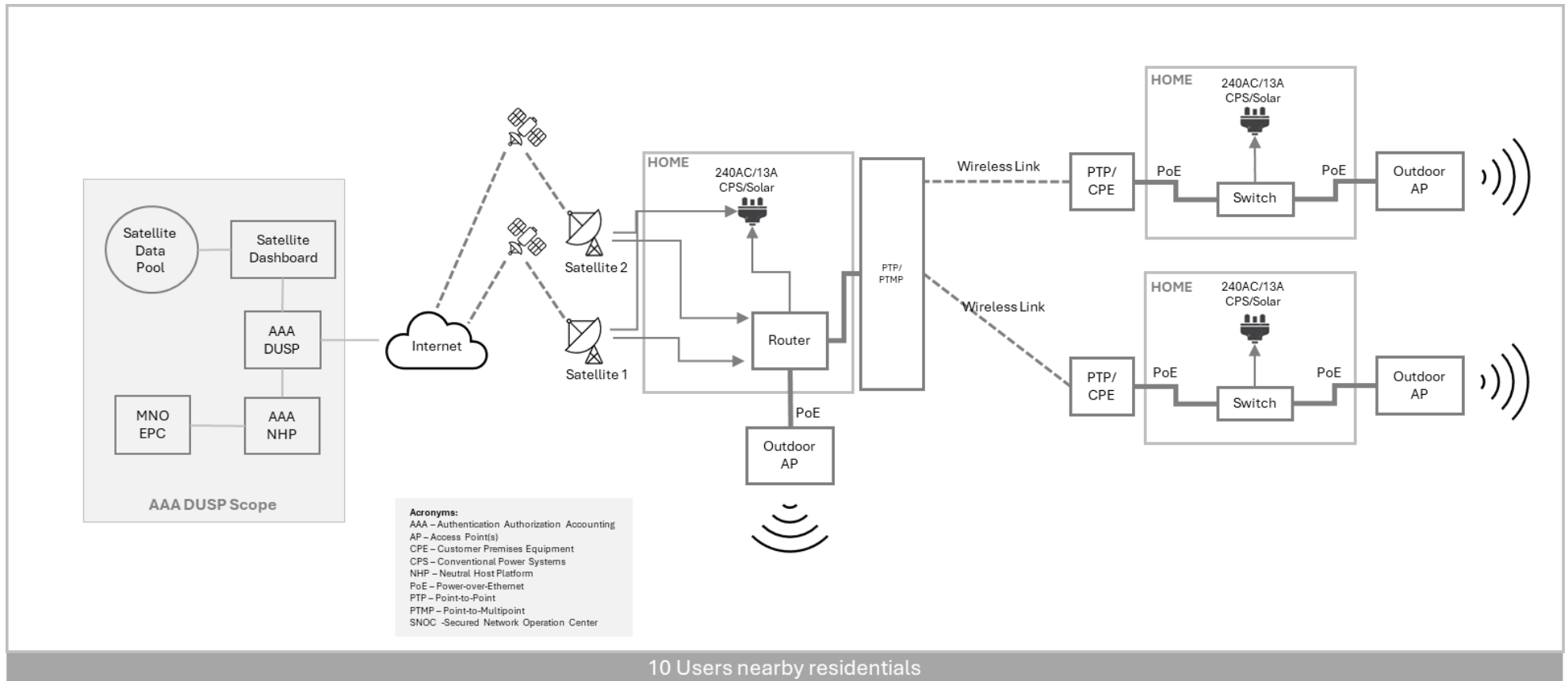
Reference Design for a user population of 1-3 Wi-Fi Users



APPENDIX 8 – DRAWINGS (cont'd)

Wi-Fi Low

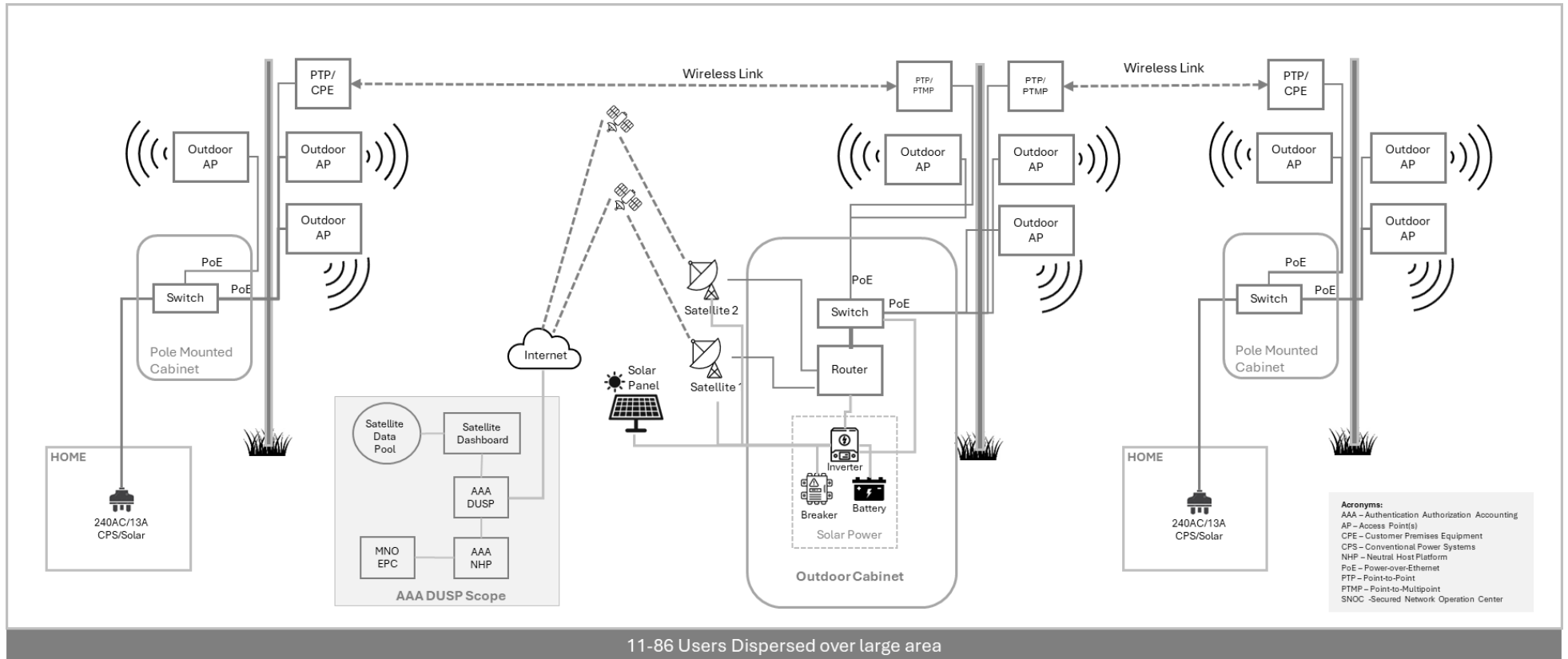
Reference Design for a user population of 4-10 Wi-Fi Users



APPENDIX 8 – DRAWINGS (cont'd)

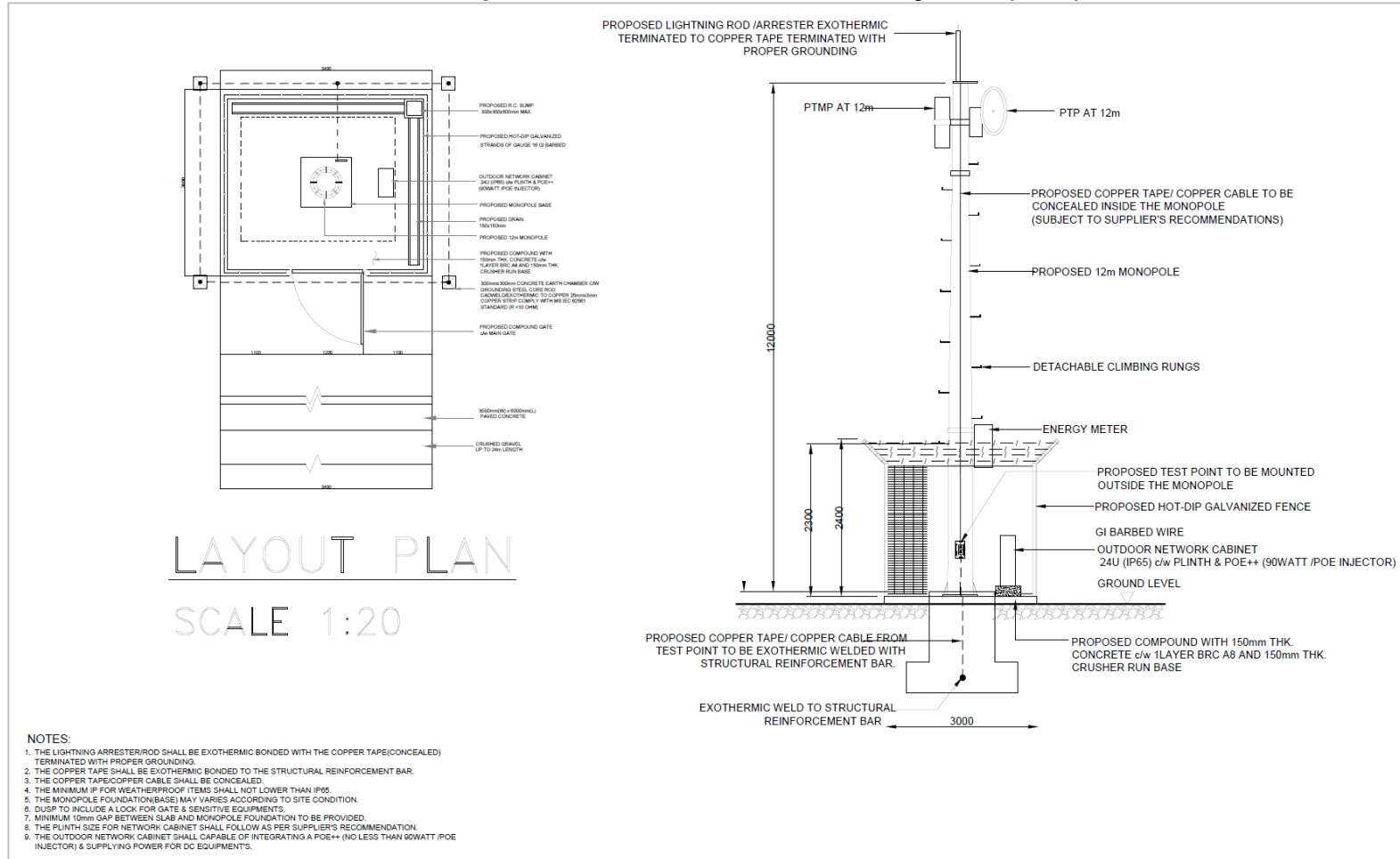
Wi-Fi High

Reference Design for a user population of 11-86 Wi-Fi Users



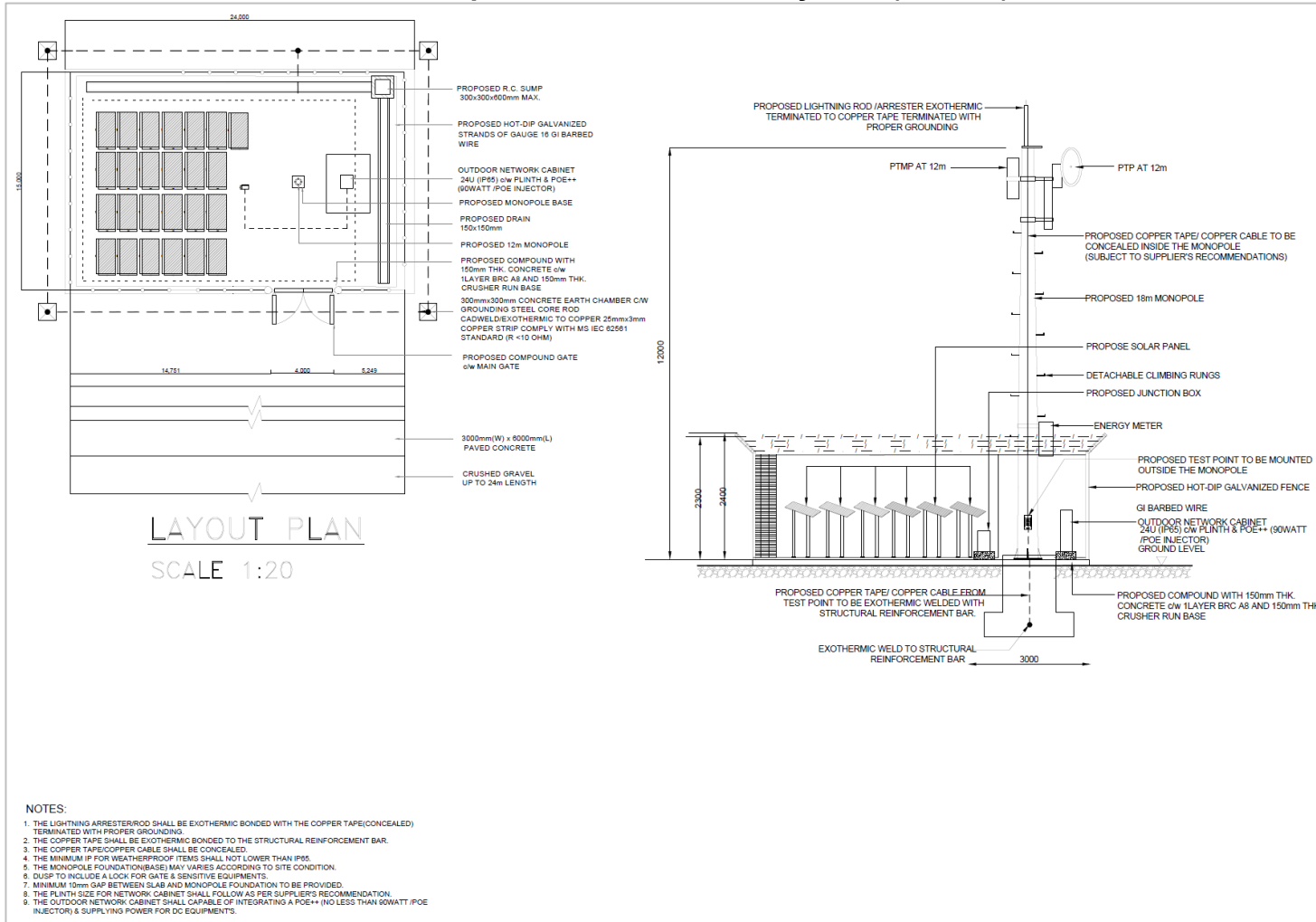
APPENDIX 8 – DRAWINGS (cont'd)

12m Monopole with Conventional Power System (CPS)



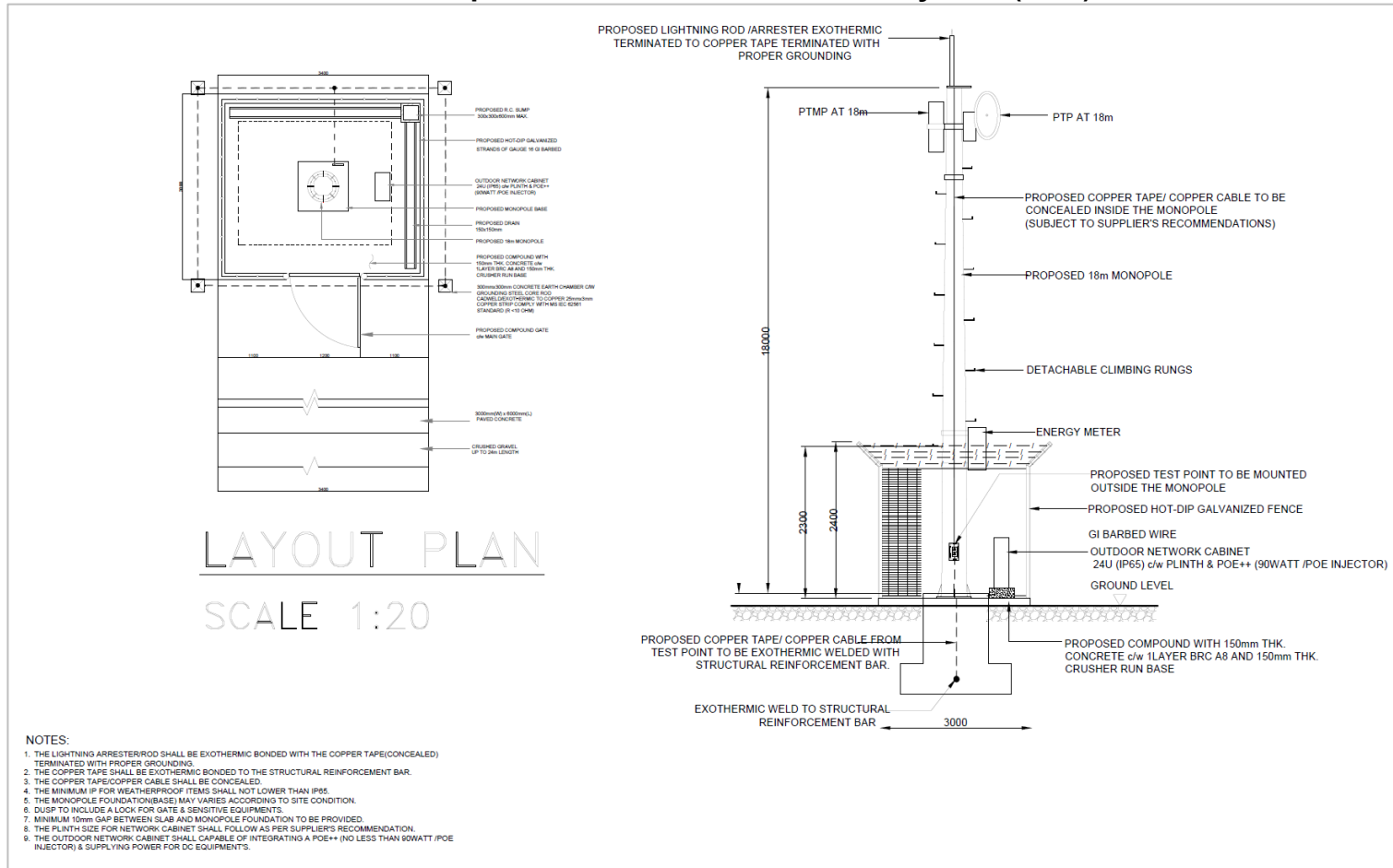
APPENDIX 8 – DRAWINGS (cont'd)

12m Monopole with Solar Power System (SOLAR)



APPENDIX 8 – DRAWINGS (cont'd)

18m Monopole with Conventional Power System (CPS)



APPENDIX 9 – TECHNICAL STATEMENT OF COMPLIANCE (SoC)

The Commission shall provide the relevant information via separate links to Interested Licensees that have duly submitted their Registration of Interest (ROI) form, subject to verification and acceptance by the Commission.

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