



Invitation to Register Interest as Universal Service Provider for the Provision of Public Cellular Service

Ubiquitous Project (Phase 1)

MCMC/ID/USDD(1)/U1/TC/05/17(06)

RFP Briefing to Licensees

7 June 2017

AGENDA



Infrastructure Division



Tender Management



Q&A Session

INFRASTRUCTURE DIVISION



RMK-11 Broadband Coverage Target



% of populated areas with broadband coverage



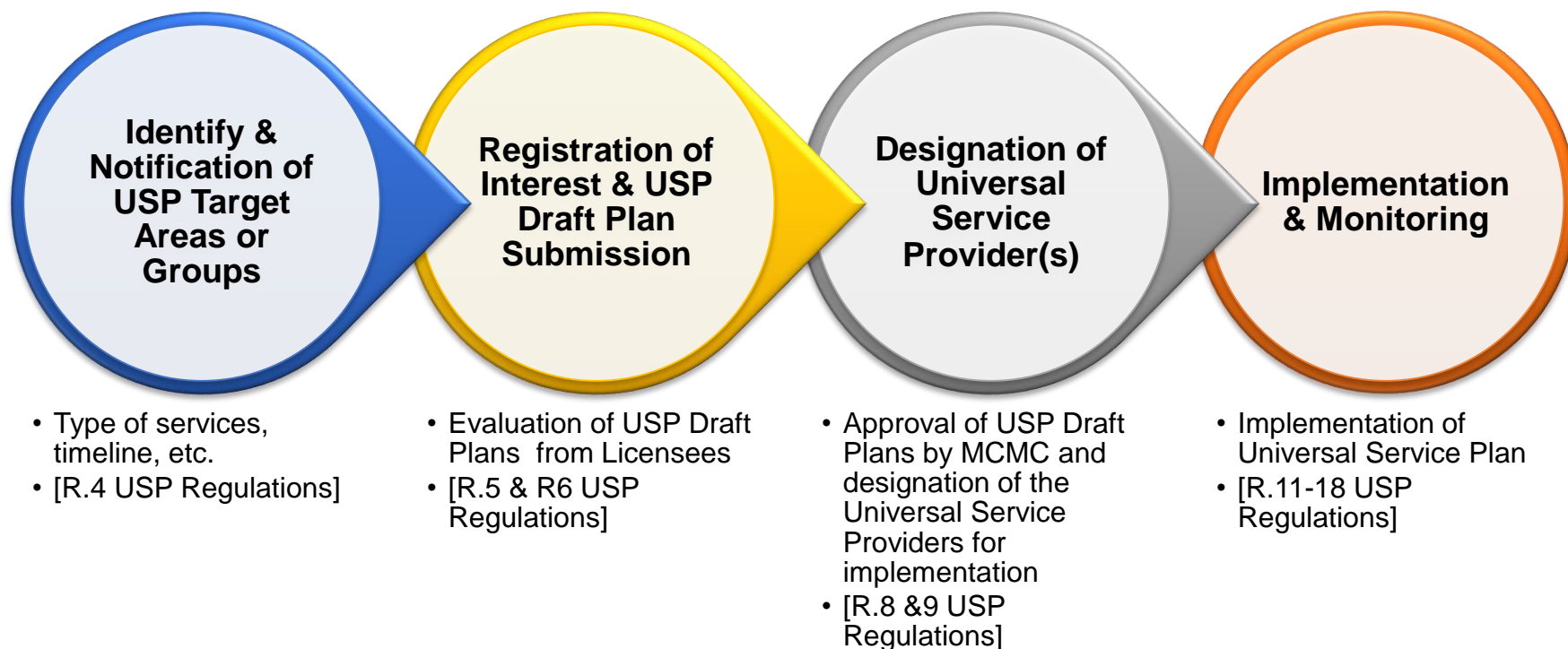
“...to ensure the coverage and quality of broadband nationwide reaches up to 20 megabytes per second.”

*YAB Datuk Seri Najib Tun Abdul Razak
Budget 2017 Speech*

USP Mechanism



- Any USP project is governed under the **USP Regulation 2002**



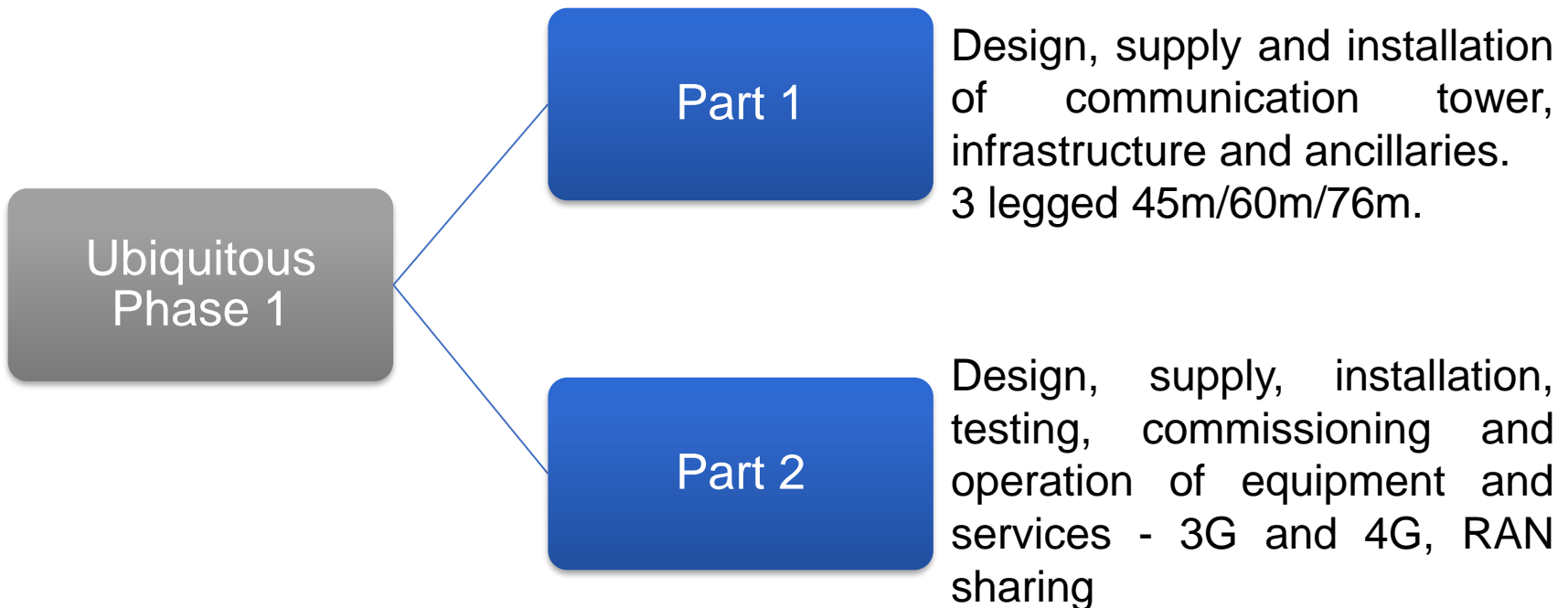
Coverage Objective in 13 Clusters



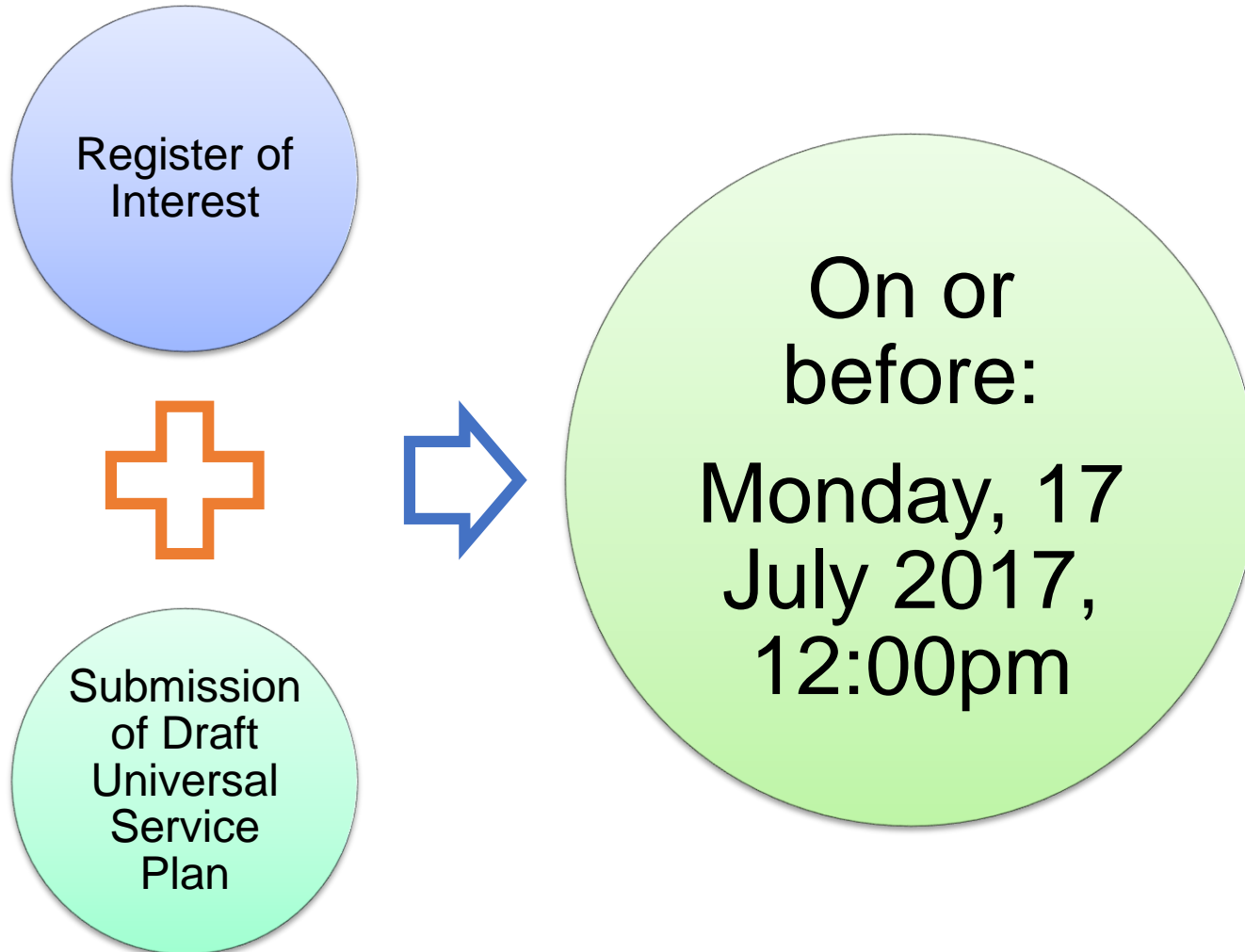
- Exact site location has been identified
- Pre acquisition has been conducted
- Detail site information will be shared upon designation

State	Cluster Number	Number of Sites	Total
Johor	1	13	13
Kedah	2	10	10
Kelantan	3	9	18
	4	9	
Negeri Sembilan	5	10	10
Pahang	6	13	26
	7	13	
Perak	8	10	10
Sabah	9	13	50
	10	13	
	11	11	
	12	13	
Terengganu	13	13	13
Total			150

Project Approach



Closing Date



Request for Proposal



Section I

- Introduction

Section II

- Description of Scope of Work

Section III

- Registration of Interest and Submission of Draft Plan

Section IV

- Payment from the USP Fund

Section V

- Compliance

Section VI

- General Terms and Conditions

Appendix

- Appendix 1-10

Section I - Introduction



Invitation for Project U1

- Pursuant to sub-regulation 3(1), 5(1) and 19(2) of the USP Regulations
- Objective: Expand public cellular broadband coverage – RMK-11

Service to be Provisioned

- Voice and data
- 3G-HSPA
- 4G-LTE
- RAN Sharing (MORAN or MOCN)

Scope of Work - Part 1

Responsibilities



Responsible to design, supply, and install communication towers, infrastructure and ancillaries.

- 1 • Conduct Site survey and Site evaluation*
- 2 • Site acquisition*
- 3 • Obtain all the necessary approvals from all relevant authorities
- 4 • Installation of tower, facilities and ancillaries
- 5 • Verification and validation
- 6 • Handover the completed Site to Part 2 DUSP
- 7 • Submission of completion report to the Commission

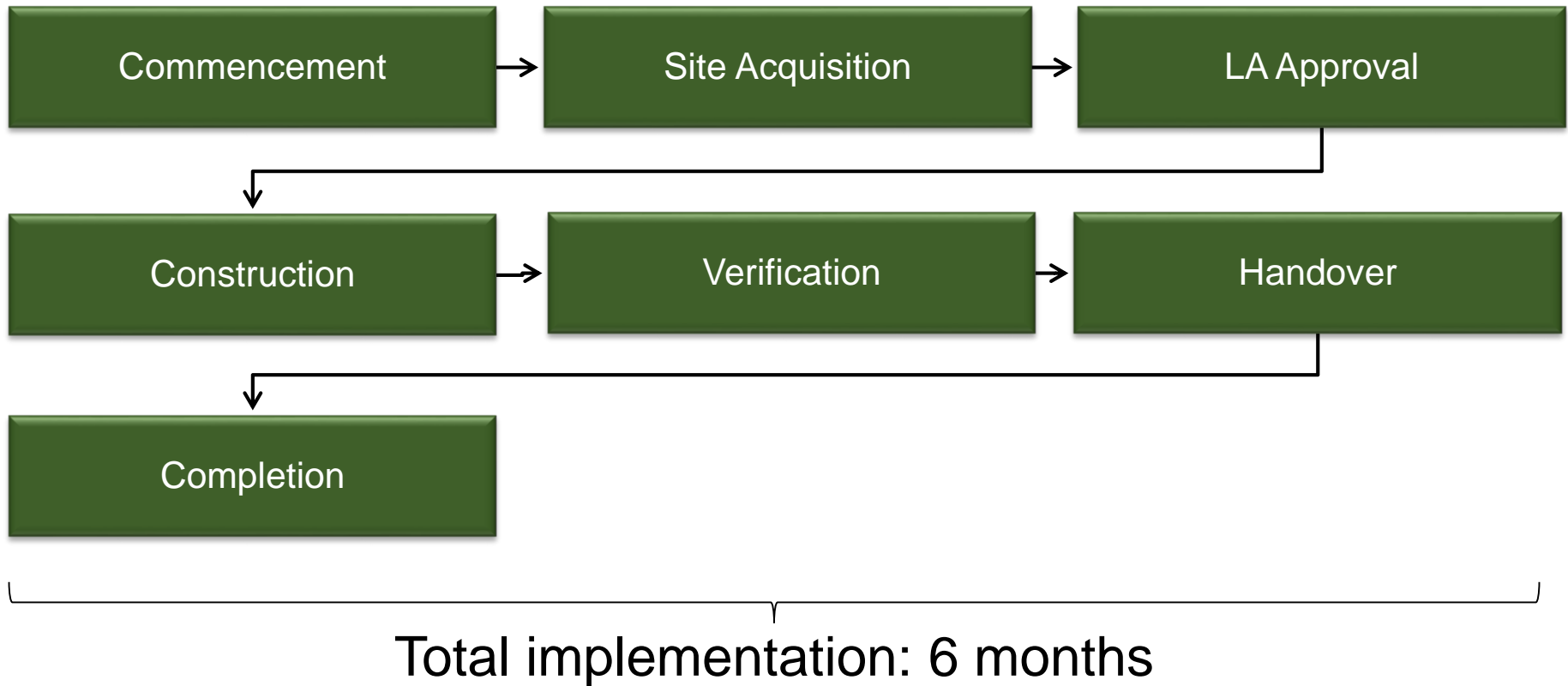
*Together with Part 2 DUSP

Scope of Work - Part 1

Implementation Timeline



Key milestones:



Scope of Work - Part 1

Warranty



Facilities to be provided:

No	Category	Item
1	A	Self Supporting Tower
2		Fall Arrest System
3		Aviation Light
4		Lightning Protection System
5		Anti Climb System
6		Tower Vertical Cable Gantry
7		Tower Structure Foundation
8	B	Concrete Plinth for Outdoor BTS
9		Basic Grounding and Earthing Systems
10		Civil Works and Drainage System
11		Fencing System & Entrance Gate
12		Access Road

Warranty

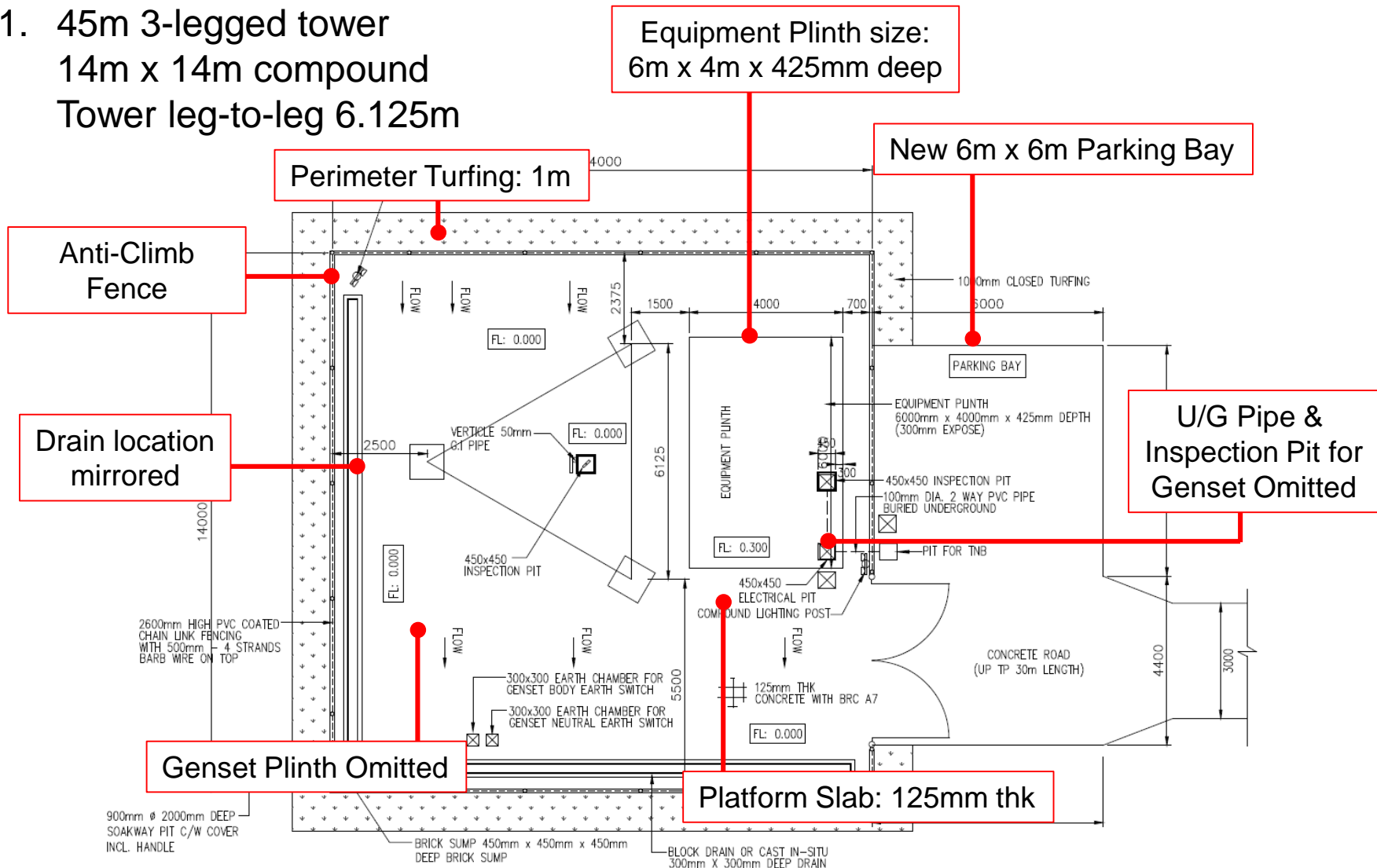
- Category A: As provided by the manufacturer/supplier
- Category B: Twelve (12) months from handover to Part 2

Scope of Work - Part 1

Tower Type and Compound Layout



- 45m 3-legged tower
14m x 14m compound
Tower leg-to-leg 6.125m

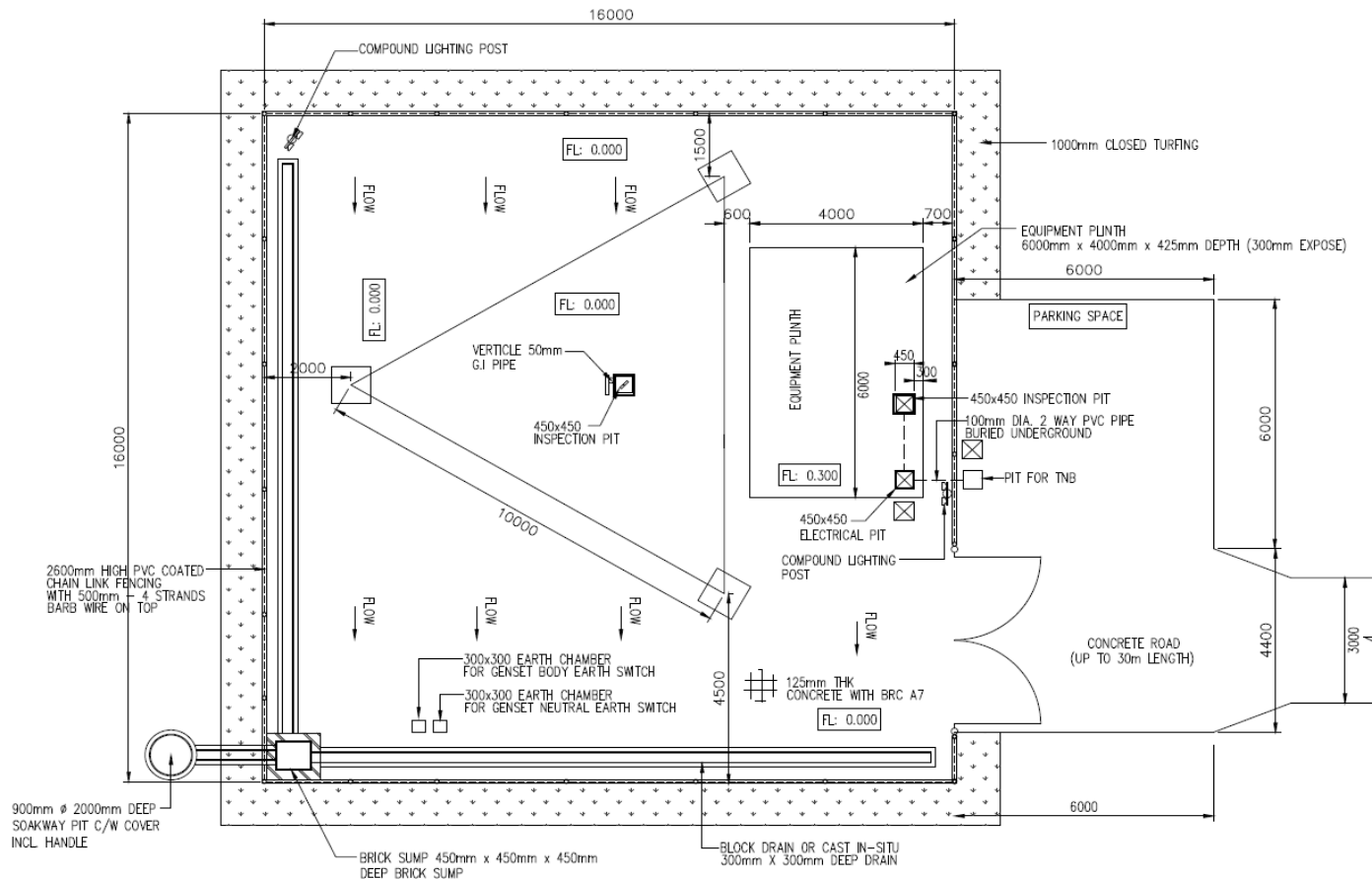


Scope of Work - Part 1

Tower Type and Compound Layout

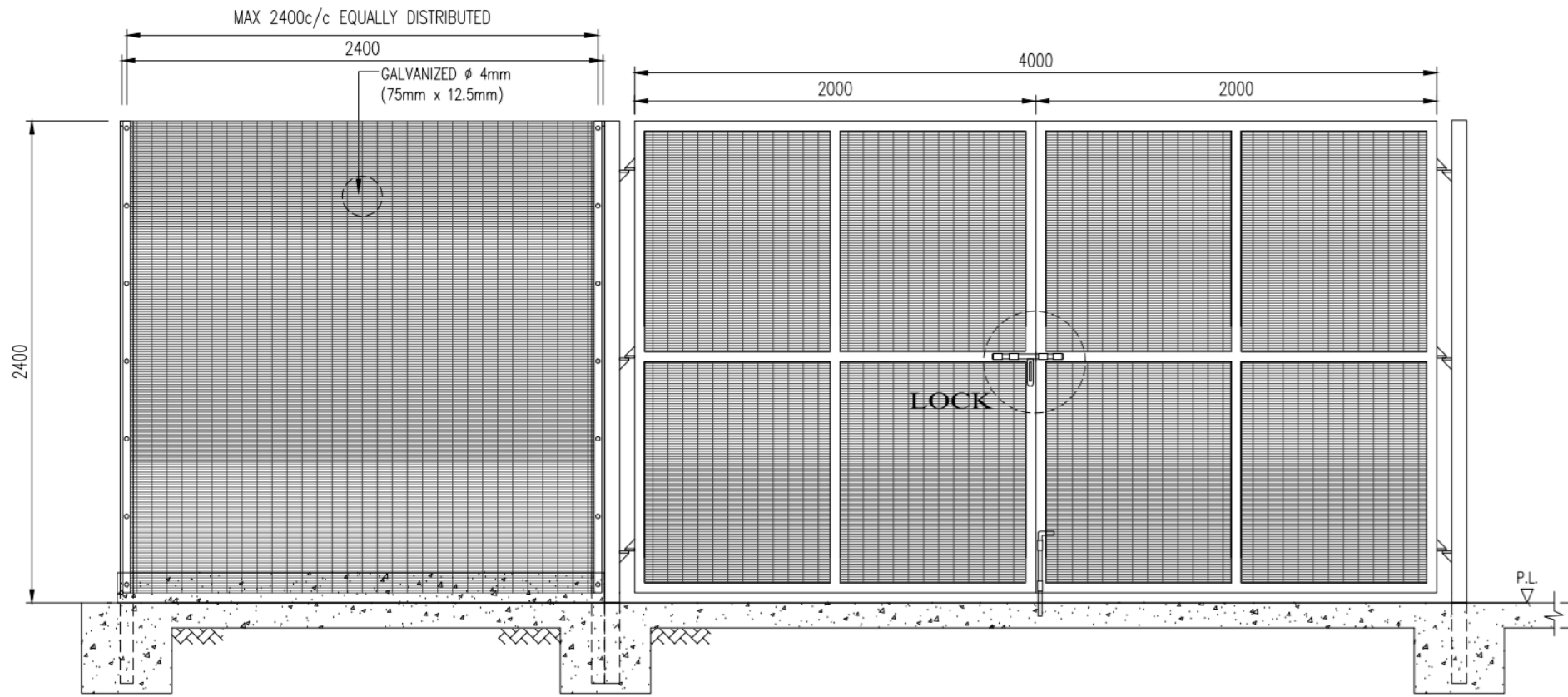


- 3. 76m 3-legged tower
- 16m x 16m compound
- Tower leg-to-leg 10m



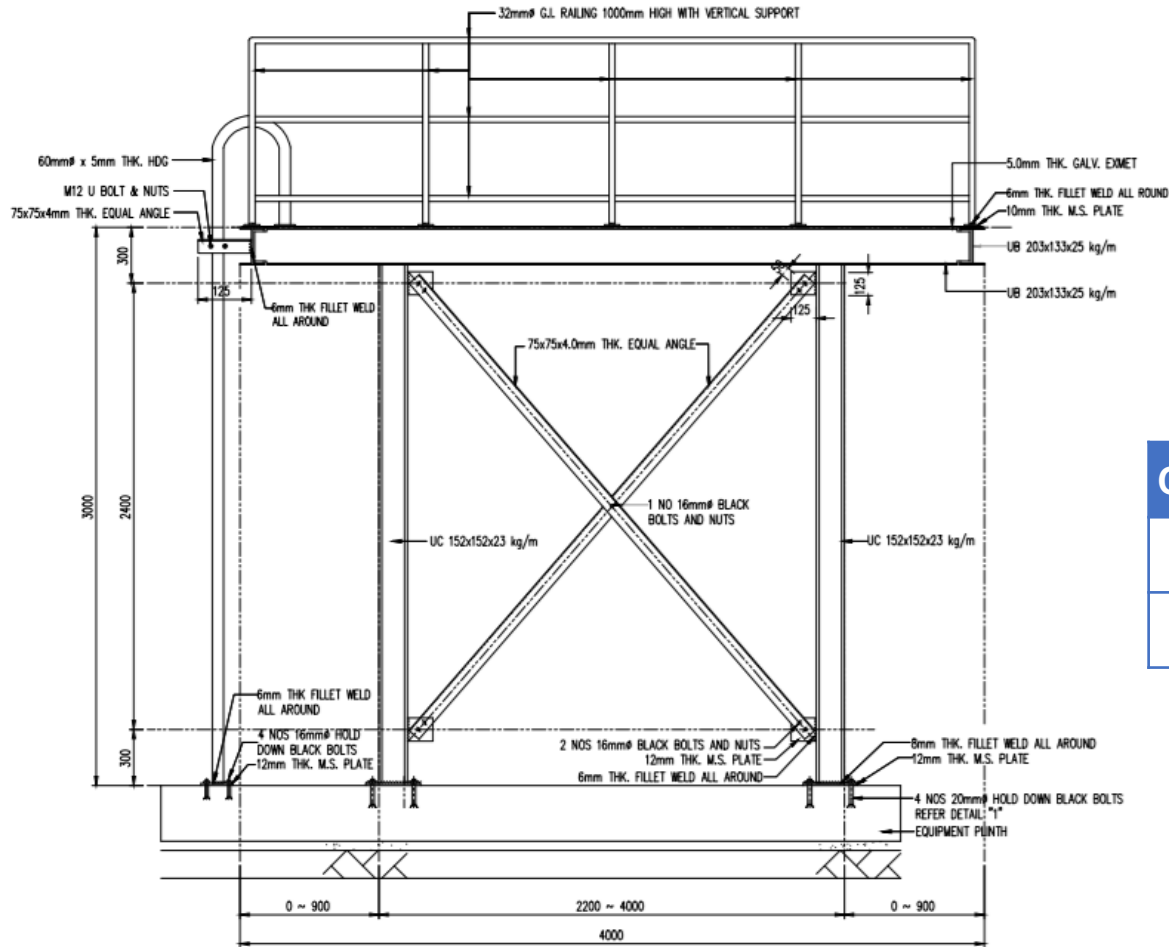
Scope of Work - Part 1

Anti Climb Fence



Scope of Work - Part 1

Flood Prone Platform



Cluster	State	Site
3	Kelantan	Kg Maka
13	Terengganu	Kg Kepah

3m Elevated Steel Framed Platform

Scope of Work - Part 2

Responsibilities



Responsible to design, supply, install, integrate, test, commission and operate equipment and electronics related to providing 3G and 4G public cellular service under the concept of RAN Sharing.

- 1 • Conduct Site survey and Site evaluation*
- 2 • Site acquisition*
- 3 • Application and installation of permanent power supply
- 4 • Network design
- 5 • Installation of electronics equipment including backhaul
- 6 • Interoperability and integration with other networks
- 7 • Testing and commissioning
- 8 • Verification and validation
- 9 • Submission of completion report to the Commission
- 10 • Operation and maintenance

Scope of Work - Part 2

Key requirements



Voice and data

3G HSPA and 4G LTE

20Mbps to individual user

MORAN and/or MOCN RAN Sharing

Permanent power supply. **No genset**

Fiber optic or microwave backhaul. **No VSAT**

Operations and maintenance for 3 years

Scope of Work - Part 2

Other responsibilities

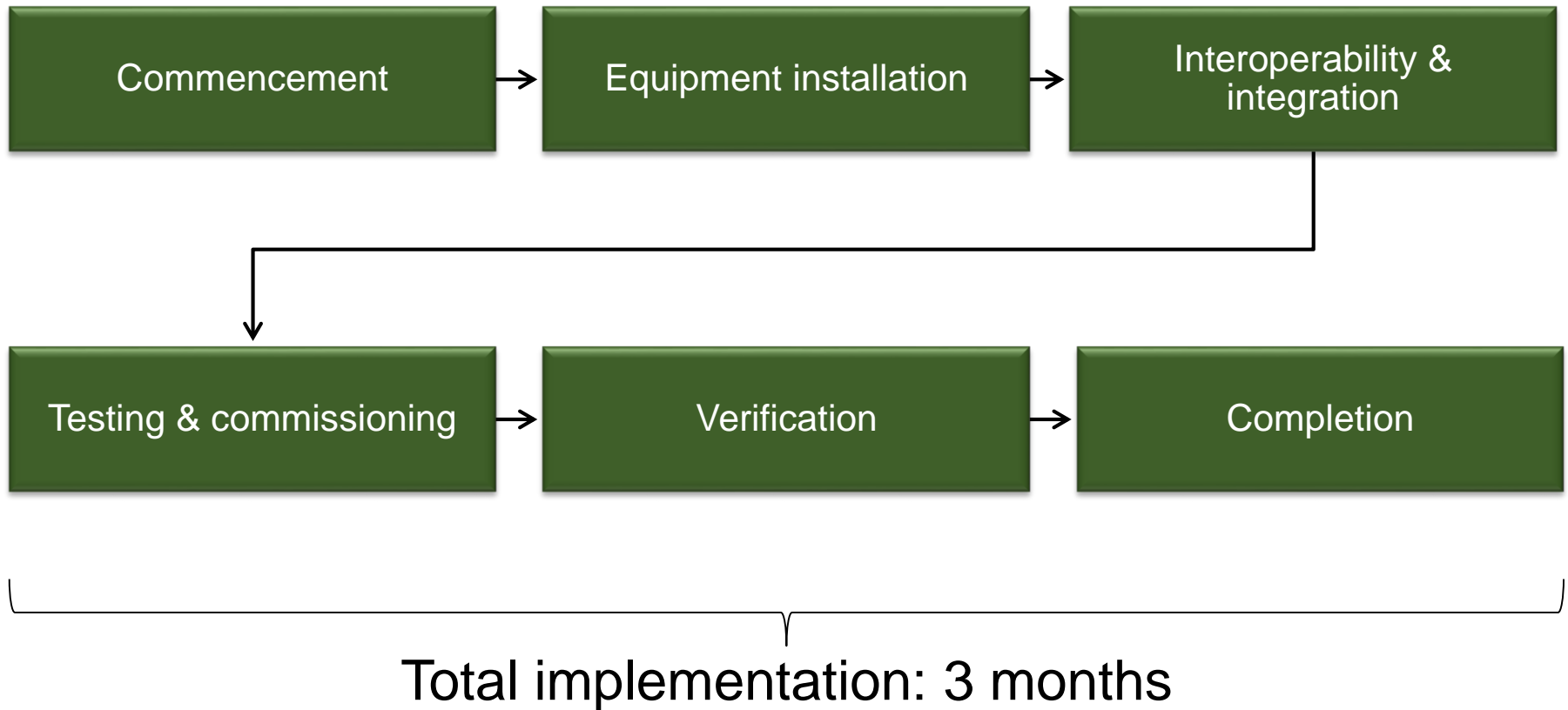
- Shall guarantee network capacity
- Shall propose the most cost effective spectrum band in provisioning of public cellular services
- Shall undertake agreement with major public cellular providers
- Shall plan and conduct integration test
- Shall carry out site optimization

Scope of Work - Part 2

Implementation Timeline

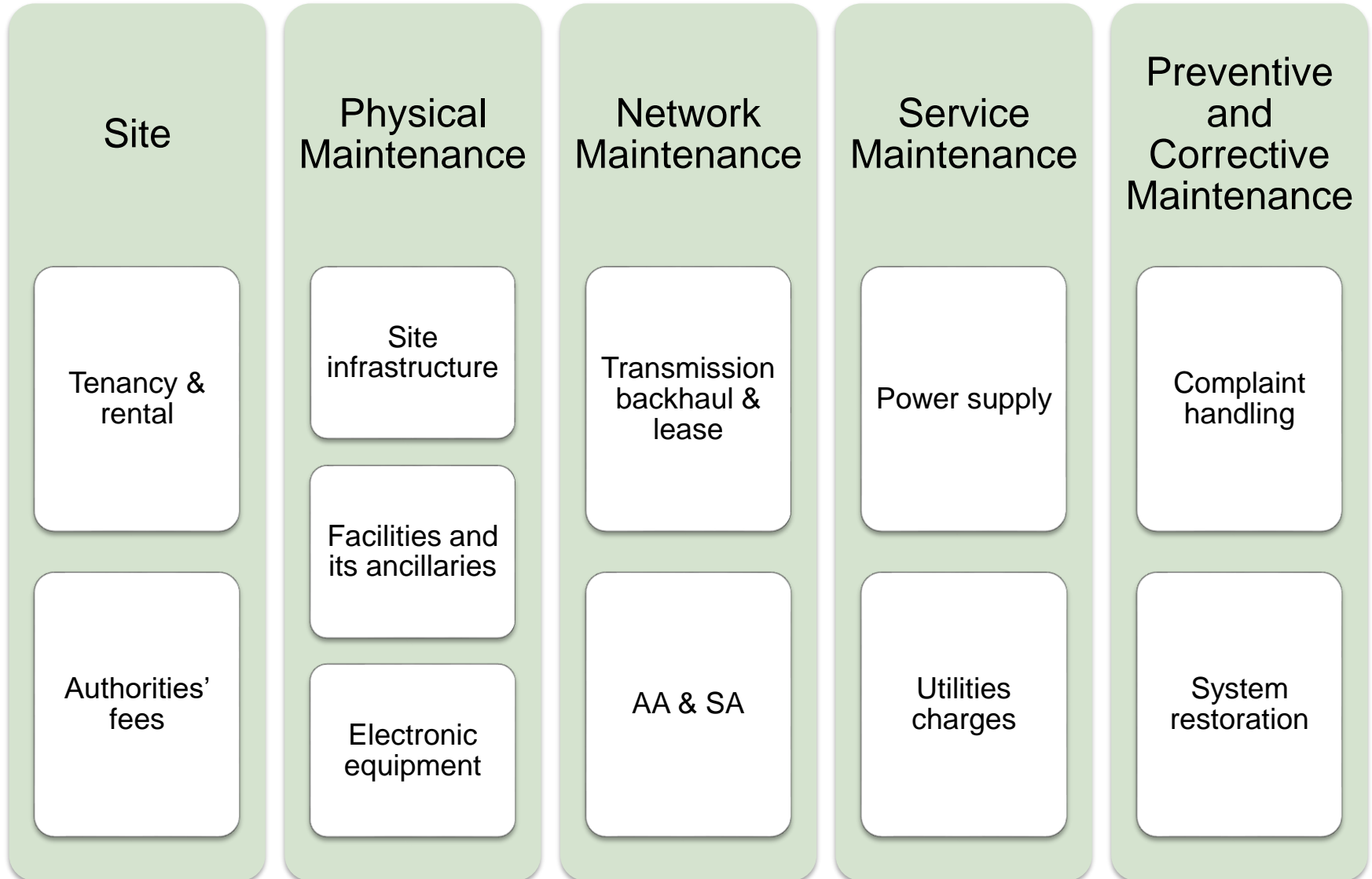


Key milestones:



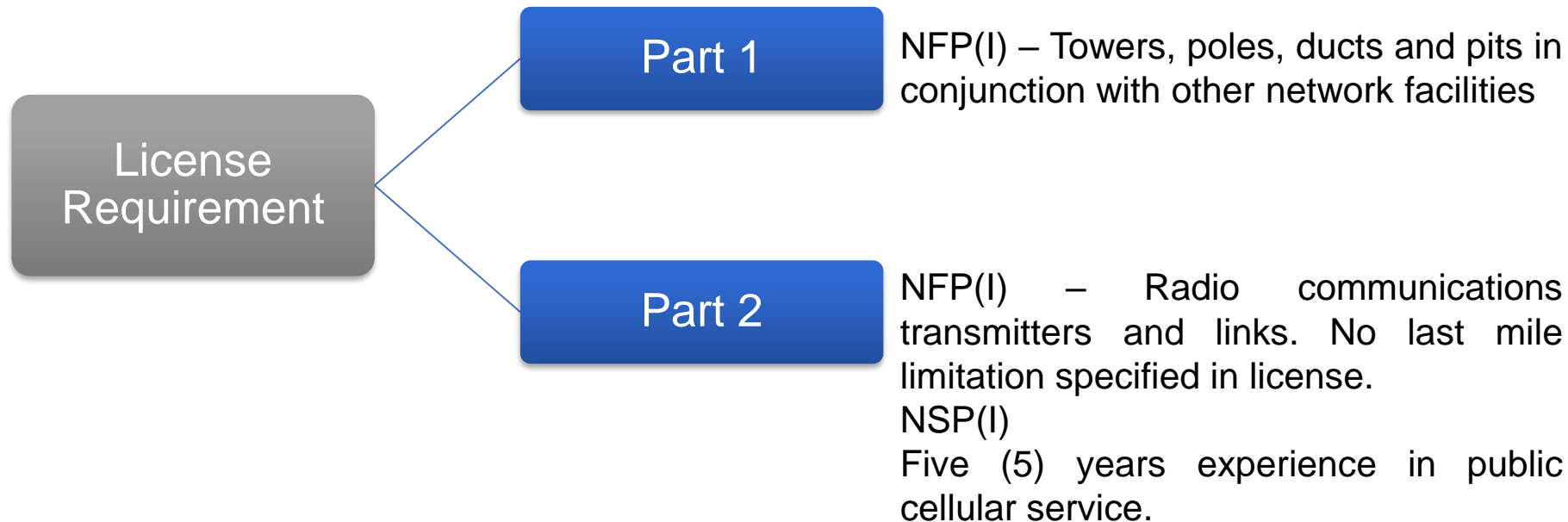
Scope of Work - Part 2

Operations and Maintenance



Section III – Registration of Interest & Submission of Draft Plan

Licensee Requirement



No outstanding fees to MCMC

License fees

USP fund

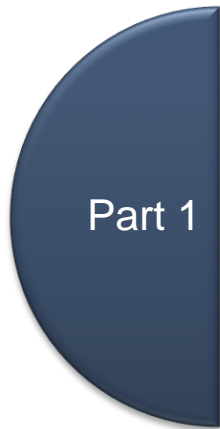
SA fees

AA fees

Registration of Interest & Submission of Draft Plan



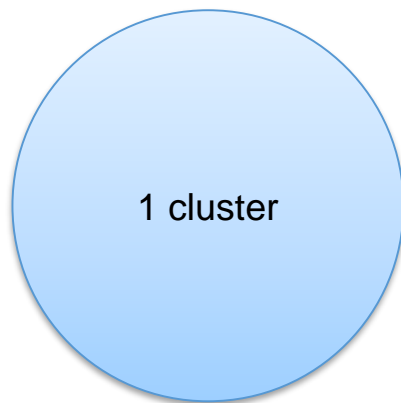
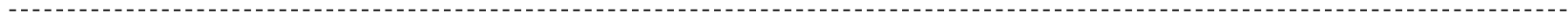
Interested licensees may register and submit:



Or



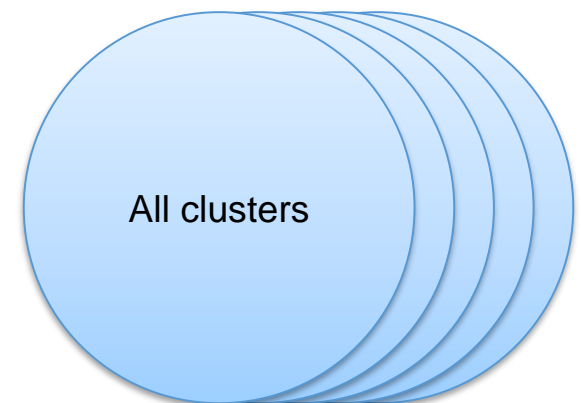
Or



Or



Or



Part of a cluster is not allowed

Registration of Interest & Submission of Draft Plan



Technical Proposal

- 1 Original
- 1 Copy
- No licensee's name, logo or stamp
- Softcopy in CD format

Financial Proposal

- 1 Original
- 1 Copy
- Initialled & stamped all pages
- Softcopy in CD format

One off Document

- Cover letter
- Company profile
- Licensee's info
- Statement of Compliance
- Declaration of Integrity
- Softcopy in CD format

Draft Universal Service Plan

Submitted draft plan shall be in separate binding for each part of each cluster.

Scope of Universal Service Plan



Coverage objective
Detail location

Description of infra & equipment

Project timeline

CAPEX and/or OPEX* in details

Details of proposed RAN Sharing solution*

Project management team

Track record and Certifications

Network optimization and operations center team*

Operations and maintenance team*

BoQ – Sample – Part 1



PART 1

State: **Johor**
 Site ID: **U1J001**
 Site Name: **Kg Bukit Bender**
 Cluster: **1**

Compound	14m x 14m
	3L - 45m
Str Type	[Leg to Leg: 6m]
Double Handling	-

ITEM	DESCRIPTION		UNIT	QTY	UNIT COST	TOTAL (RM)
1. GENERAL & PRELIMINARIES						
A	Insurance					
	1	Provision for Insurance (during construction and warranty period)	LS	1		
B	Site Planning & Design					
	1	Site Survey	LS	1		
	2	Services of licensed surveyor for setting out of the Site Boundary	LS	1		
	3	Soil investigation	LS	1		
	4	C&S, M&E Consulting Engineer Services & Design including PE Endorsement	LS	1		
C	Site Acquisition					
	1	Site Acquisition Exercise	LS	1		
	2	Deposits and preliminary rental charges to landowner during implementation period (prior to official site handover to PART 2)	LS	1		
D	Permitting & Authority Fees					
	1	OSA Fees, local authority fees/charges, permit fees, assessment fees and other fees deemed necessary.	LS	1		
	2	Signboard as required by Local Authority (If necessary)	LS	1		
	3	Deposit Perobohan	LS	1		
E	Project Management and others					
	1	Monthly Reporting & Meetings	LS	1		
	2	Site Management including Site Monitoring and Inspection	LS	1		
TOTAL ITEM 1: GENERAL & PRELIMINARIES						
2. TOWER & ACCESSORIES						
A	Tower Supply					

BoQ – Sample – Part 2



PART 2

State: **Johor**

Site ID: **U1J001**

Site Name: **Kg Bukit Bendera**

Cluster: 1

TX	MW
Power	TNB
Double Handling	-

NO	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL CAPEX (RM)	3-YRS OPEX (RM)
1. GENERAL & PRELIMINARIES						
A	Insurance: Provision for Insurance during construction	LS	1			
B	Planning & Design including Site Survey	LS	1			
C	Project Management - Site Management & Reporting	LS	1			
D	Site Management which includes Site Maintenance, Land Rental, Site Insurance, Permitting and all related items necessary to maintain site	LS	1			
TOTAL ITEM 1: GENERAL & PRELIMINARIES						
2. EQUIPMENT & SYSTEMS						
A	Supply, Delivery, Installation, Commissioning, Integration & Optimisation of Complete 3G & 4G BTS Equipment	per site	1			
B	Supply, Delivery, Installation & Commissioning of Rectifier System	LS	1			
C	Supply, Delivery, Installation & Commissioning of 6-hours Battery Backup	LS	1			
D	Supply, Delivery, Installation & Commissioning of Alarm Intruder System	LS	1			
E	Supply, Delivery and Installation of Outdoor Equipment Cabinet	LS	1			
TOTAL ITEM 2: EQUIPMENT & SYSTEMS						
3. BACKHAUL incl AA Fees (*To fill either Item A or Item B)						
*A	Transmission via Microwave Supply, Delivery, Installation, Commissioning & Integration of Complete Microwave System for Complete Link incl all related works & necessary feeder cable, antenna support system, brackets and jumper	set	1			
*B	Transmission via Fibre	set	0			
TOTAL ITEM 3: BACKHAUL						
4. ANTENNA SYSTEM incl AA Fees						
A	Supply, Delivery, Installation, Testing & Commissioning of Complete Antenna incl all related works and necessary antenna feeder system, antenna support system, brackets and jumper	set	3			

Amendment 1



7.2(a) Technical Proposal for
Part 1 – Section C



7.2(c) Financial Proposal for
Part 1 – Section C

SECTION C	OTHER INFORMATION
	<ol style="list-style-type: none"><li data-bbox="724 585 1545 664">1. Track record and relevant experience related to public cellular projects.<li data-bbox="724 706 1545 828">2. Number of towers owned or provided by the Licensee in the state where the universal service target is located.<li data-bbox="724 871 1545 992">3. Brief Information on Project Management team and the contractors/subcontractor(s) that the Licensees intend to use.<li data-bbox="724 1035 1545 1071">4. A copy of CIDB Grade 7 (G7) certificate.

Amendment 2



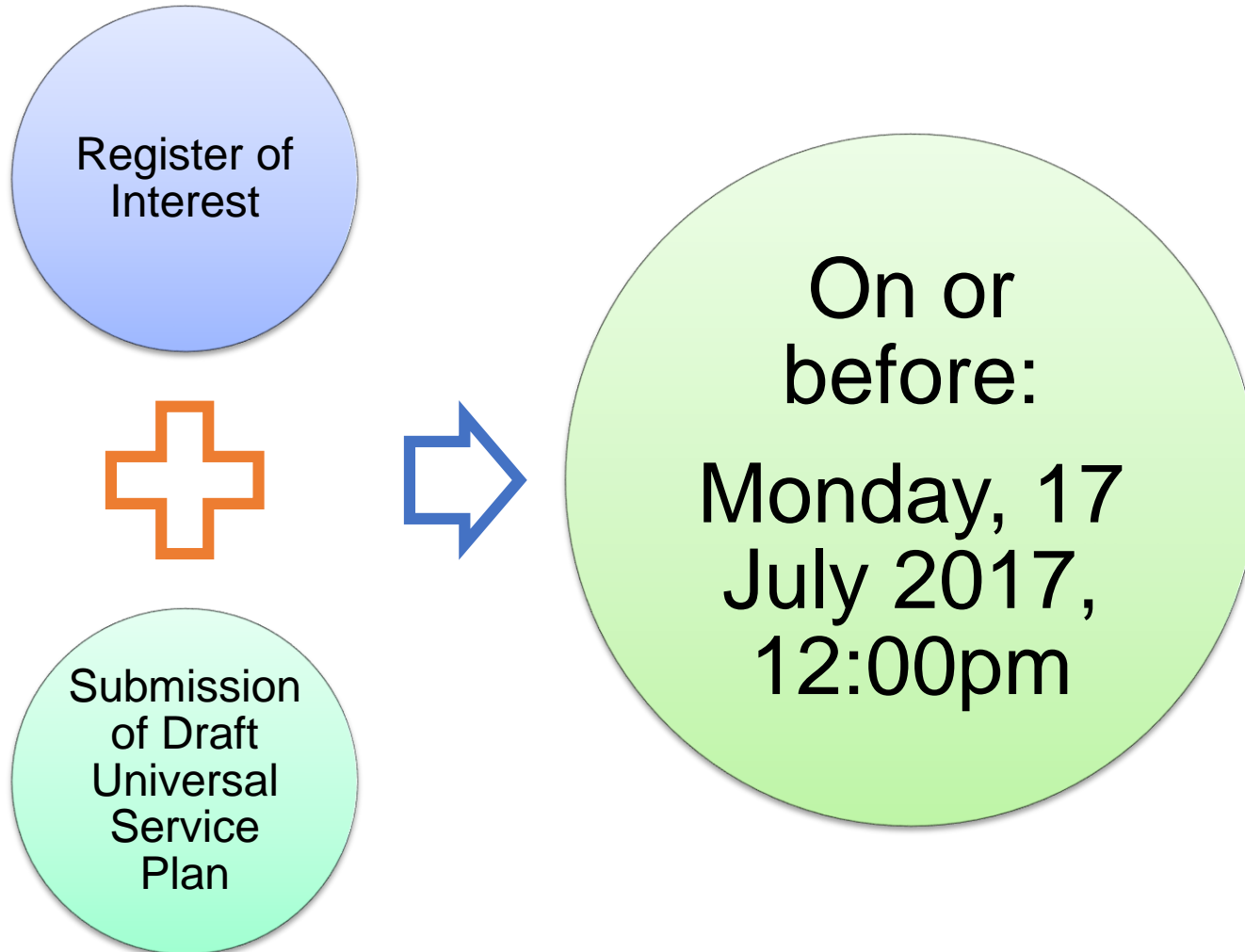
7.2(b) Technical Proposal for
Part 2 – Section C



7.2(d) Financial Proposal for
Part 2 – Section C

SECTION C	OTHER INFORMATION
	<ol style="list-style-type: none">1. Track record and relevant experience related to public cellular projects.2. Number of towers owned or provided by the Licensee.3. Location and resource strength of Network Operation Centre (NOC).4. Information on Project Management team and the contractors/subcontractor(s) that the Licensees intend to use.5. Information on network optimization team and operations and maintenance team

Closing Date



Section IV – Payment of the USP Fund



Types of Claims	USP regs.	Remarks
Yearly Claims (Mandatory)	Regulation 19 (2) and 20	Net Claims Payable = Avoidable Cost less Any payments made in (Advance & Quarterly Claims) and Revenue forgone
Advance Claims (Optional)	Regulation 12	Payable in installments Initial / Preliminary installment upon receiving LOA & Progress installments
Quarterly Claims (Optional)	Regulation 20A	Payable for each Quarter Expenditure i.e. Quarter ending March, June, Sept & Dec

Schedule of Claim – Part 1



No.	Claim (%)	Description	Conditions
1.	15	Advance Payment Claim	Submission of written claim shall be upon: (a) Receipt of Designated Universal Service Provider's acceptance of the Notification of Approval; and (b) Acceptance of the Performance Bond by the Commission's authorized representative
2.	35	First Progress Payment Claim	Submission of written claim shall be upon: (a) Commencement of second segment of tower erection work; and (b) The acceptance of all relevant initial approvals by the relevant authorities report in respect of each site by the Commission's authorized representative
3.	40	Second Progress Payment Claim	Submission of written claim shall be upon: (a) The acceptance and endorsement of the completion report in respect of each site by the Commission's authorized representative
4.	10	Final Payment Claim	Submission of written claim shall be upon: (a) The expiry of the warranty described in Item 3.27(ii) of this Invitation; and (b) Subject to the Commission's acceptance of all relevant final approvals by the relevant authorities

Schedule of Claim – Part 2



No.	Claim (%)	Description	Conditions
CAPEX			
1.	15	Advance Payment Claim	Submission of written claim shall be upon: (a) Receipt of Designated Universal Service Provider's acceptance of the Notification of Approval; and (b) Acceptance of the Performance Bond by the Commission's authorized representative
2.	75	First Progress Payment Claim	Submission of written claim shall be upon services at UST(s) is confirmed on air.
3.	10	Final payment Claim	Submission of written claim shall be upon: (a) The acceptance and endorsement of the completion report in respect of each site by the Commission's authorized representative
OPEX			
		Quarterly Claim [throughout the period of three (3) years]	Subject to the operation and maintenance cost for the period of three (3) years from the Part 2 Completion Date as described in Item 4.12 of this Invitation

Section V – Compliance



Designated Universal Service Provider shall adhere to the guidelines and requirements of U1 Project including compliance to the Approved Universal Service Plan, the RFP and the Act.

Non-compliance in the RFP

- Failure or delay in completion
- Failure to rectify defects
- Failure to handover within stipulated timeline
- Failure to rectify during warranty period
- Failure to submit completion report within stipulated timeline
- Failure to refund
- Failure to fulfill quality of service
- Lapse in performance bond

Penalties



Liquidated damages

Drawdown of the Performance Bond

Withhold payment claim

General penalty under the USP Regulations

Revocation of designation pursuant to the USP Regulations

Section VI – General



Quality of Service

- Part 2 Designated Universal Provider shall be responsible to guarantee the quality of service and service availability to the end users and complies to the relevant mandatory standards, consumer codes or other regulatory instruments for quality of services issued under the Act.
- Any upgrading to guarantee QoS throughout the operational period shall be borne by the Part 2 Designated Universal Service Provider at no additional cost to the Commission.

Technical Compliance

- Designated Universal Service Provider shall be solely responsible for the correct design and configuration of the network facilities, equipment and services offered as per the submitted Draft Universal Service Plan.

Authority Approval

- Designated Universal Service Provider shall be responsible to obtain the necessary approvals from the relevant authorities before commencing the Work.

Section VI – General



Safety

- Designated Universal Provider shall be responsible to ensure safety of persons and properties, and compliance to safety-at-work regulations

Performance Bond

- Designated Universal Service Provider shall submit a Performance Bond prior to the implementation of the Approved Universal Service Plan(s) with an equivalent value of ten (10%) of the approved total cost and shall be valid throughout the implementation period.

Appointment of Local Contractor

- Designated Universal Service Provider is encouraged to appoint local and bumiputera contractors as well as to source materials from local suppliers.

Section VI – General



Inspection and Audit

- The Commission has the right to inspect and verify that all obligations due from the Designated Universal Service Provider is fully complied with. The inspection and verification of the universal services provisioning may include technical and/or commercial audit.

Omission or Error

- Designated Universal Service Provider shall be solely responsible for any omissions or errors without any additional cost chargeable to the Commission. The Commission shall not to entertain any request for variation of price(s) or submission of additional quotes for items left out in the original Draft Universal Service Plan on the grounds of lack of knowledge, oversight etc

Appendices



Appendix 1

- List of Universal Service Targets

Appendix 2

- Technical Specifications for Part 1

Appendix 3

- Technical Specifications for Part 2

Appendix 4

- Registration of Interest Form

Appendix 5

- Summary of Licensee Information

Appendix 6

- Template for Summary of Technical Proposal

Appendix 7

- Template for Summary of Financial Proposal

Appendix 8

- Template for Details of Financial Proposal

Appendix 9

- Template for Statement of Compliance

Appendix 10

- Template for Declaration of Integrity

Appendix 1 – List of Universal Service Target



Cluster 1 - Johor

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1J001	Kg Bukit Bender	Bukit Kepong	2.34759	102.87334	45	>200
2	U1J002	KOA Punan	Sembrong	2.43014	103.54427	76	>100
3	U1J003	Kg Teriang Kecil	Triang	2.64017	103.69636	76	>100
4	U1J004	Jalan Mersing - Endau_1	Tenglu	2.52977	103.78368	45	traffic
5	U1J005	Jalan Jemaluang	Ulu Sungai Sedili Besar	1.87624	103.92573	45	<100
6	U1J006	Jln Lombong	Kota Tinggi	1.80920	103.84531	60	<100
7	U1J007	Jalan Tg Balau_3	Pantai timur	1.69057	104.19936	45	>100
8	U1J008	Kg Sungai Pacat	Tanjung Surat	1.46250	104.09731	76	<100
9	U1J009	Kg Linting	Tanjung Surat	1.48239	104.06074	60	>300
10	U1J010	Kg Nior	Tanjung Surat	1.46827	104.04930	76	>100
11	U1J011	Kg Parit Sulaiman	Rimba Terjun	1.43845	103.45941	45	>200
12	U1J012	Kg Haji Ashari	Air Masin	1.41401	103.45886	45	<100
13	U1J013	Kg Buloh Kasap	Sungai Karang	1.39941	103.48464	45	<100

Appendix 1 – List of Universal Service Target



Cluster 2 - Kedah

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1K001	Kg Belukar Mulong	Kurung Hitam	6.33799	100.52193	76	<100
2	U1K002	Kg Sukamari	Tekai	6.00274	100.70271	60	>200
3	U1K003	RISDA Bkt Perak	Padang Pelian	5.95835	100.59939	60	<100
4	U1K004	Kg Kuala Cham	Jeneri	5.89479	100.63545	45	>500
5	U1K005	Kg Teluk Sg Durian	Bongor	5.71287	100.92558	76	>200
6	U1K006	Ldg Kim Seng, Batu 5	Tawar	5.58899	100.70934	60	>200
7	U1K007	Kg Kuala Bakung	Tawar	5.55310	100.67474	60	>100
8	U1K008	Kg Tanah Licin	Sidam Kiri	5.57282	100.60450	60	>200
9	U1K009	Kg Lesong 7	Sidam Kanan	5.52833	100.59467	60	>200
10	U1K010	Air Terjun Junjong	Junjong	5.27758	100.56184	60	<100

Appendix 1 – List of Universal Service Target



Cluster 3 - Kelantan

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1D001	Kg Kala 1	Galas	5.03745	101.98421	76	<100
2	U1D002	Kg Kala 2	Galas	5.05509	101.97567	76	<100
3	U1D003	Kg Rabbana	Jeli	5.71007	101.81495	60	>200
4	U1D004	Kg Pangkal Jenerih	Panyit	5.70564	102.18734	76	>500
5	U1D005	Kg Pangkal Meleret	Pangkal meleret	5.75418	102.19447	76	>300
6	U1D006	Kg Maka	Labok	5.82661	102.16784	76	>200
7	U1D007	Kg Kubang Tebit	Pulai Chondong	5.87840	102.18852	60	>200
8	U1D008	Kg Tengah	Kusial	5.87815	102.15830	60	>200
9	U1D009	Kg Permatang Rambai	Bukit Abal	5.84033	102.32679	60	>500

Appendix 1 – List of Universal Service Target



Cluster 4 - Kelantan

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1D010	Kg Batu Karang	Gual Periuk	5.96393	102.08488	60	>100
2	U1D011	Kg Kubang Nyior	Kuala Lemal	5.99238	102.15366	60	>200
3	U1D012	Gual Pasong Hantu	Rantau Panjang	5.98552	101.99168	45	<100
4	U1D013	Kg Gual Periuk	Gual Periuk	6.02066	102.01425	45	>500
5	U1D014	Gual Tok Deh	Gual Periuk	6.04571	102.01598	45	>500
6	U1D015	Kg Serongga Repeh	Gual Periuk	6.02343	102.06434	60	>100
7	U1D016	Kg Bkt Perdah	Kubang Gadong	6.08029	102.05692	45	>200
8	U1D017	Kg Alor Jambu	Perek	6.09631	102.35600	60	>500
9	U1D018	Kg Kuau	Tawang	6.03812	102.38326	60	>300

Appendix 1 – List of Universal Service Target



Cluster 5 – Negeri Sembilan

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1N001	Kg Chelogeh	Lengeng	2.89601	101.94176	60	<100
2	U1N002	Kg Ulu Klawang	Hulu Kelawang	2.87694	102.01868	60	>200
3	U1N003	KOA Kelaka	Hulu Kelawang	2.89678	102.04011	76	>100
4	U1N004	KOA Ayer Persom	Jelai	2.66538	102.36710	76	<100
5	U1N005	KOA Sunggala	Pasir Panjang	2.47020	101.87670	45	>200
6	U1N006	Kg Tengah	Gemenchek	2.54486	102.41132	45	>200
7	U1N007	Kg Mantai	Ayer Kuning	2.45258	102.46899	60	>200
8	U1N008	KOA Tebong Pasir	Tebong	2.48948	102.35942	76	<100
9	U1N009	Kg Pondoi	Tebong	2.48990	102.32680	76	>500
10	U1N010	KOA Bukit Kepong	Si Rusa	2.46811	101.93117	60	>200

Appendix 1 – List of Universal Service Target



Cluster 6 - Pahang

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1C001	Keratong 8	Keratong	2.95878	102.99071	45	>300
2	U1C002	Felda Keratong 5	Keratong	2.90824	102.92047	60	>500
3	U1C003	Felda Keratong 2	Keratong	2.91807	102.86807	60	traffic
4	U1C004	Ladang Sg Seraya	Keratong	2.90213	102.80205	60	>200
5	U1C005	Agropolitan Chemomoi	Pelangai	3.20732	102.25317	76	>500
6	U1C006	Simpang Bukit Mendi	Triang	3.16716	102.38842	60	>500
7	U1C007	Felda Bukit Mendi	Triang	3.19389	102.30962	76	>200
8	U1C008	Felda Mengkuang	Triang	3.20138	102.37934	60	>500
9	U1C009	Kg Sg Tuang	Triang	3.22420	102.35236	76	>200
10	U1C010	Felda Bukit Puchung	Triang	3.23414	102.32377	76	>500
11	U1C011	Kg Alor Ara	Pekan	3.46556	103.40176	60	>200
12	U1C012	Kg Langgar	Langgar	3.54115	103.34810	60	>200
13	U1C013	Felda Bukit Sagu	Kuala Kuantan	3.92517	103.22153	60	>100

Appendix 1 – List of Universal Service Target



Cluster 7 - Pahang

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1C014	Kg Charuk Puting	Bera	3.40930	102.51134	60	>500
2	U1C015	Kg Bolok Hilir	Semantan	3.53472	102.14732	60	>500
3	U1C016	Kg Embun	Bukit Segumpal	3.51739	102.55865	60	>500
4	U1C017	Kg Bukit Dinding	Burau	3.81706	102.37077	60	>200
5	U1C018	SMK Pulau Tawar	Pulau Tawar	3.87780	102.43121	60	>100
6	U1C019	Kg Pasir Durian	Kuala Tembeling	4.09245	102.33006	60	>200
7	U1C020	Kg Labu	Tembeling	4.16941	102.37307	76	>200
8	U1C021	Taman Dato Tg Paris	Batu Talam	4.02536	101.78185	76	>500
9	U1C022	Ulu Atok	Sega	4.05498	101.92889	76	>300
10	U1C023	Kg Ridan	Cheka	4.06228	102.25698	60	>200
11	U1C024	Kg Sg Lik	Cheka	4.09115	102.20722	60	>200
12	U1C025	Agropolitan Gahai	Batu Yon	4.24172	101.84269	60	>500
13	U1C026	Kg Gua Kalung	Batu Yon	4.62624	101.99069	76	<100

Appendix 1 – List of Universal Service Target



Cluster 8 - Perak

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1A001	Kg Telok Batu	Hulu Perak	5.10833	100.98027	45	>200
2	U1A002	Kg Kelubong	Sungai Tinggi	4.56816	100.67652	45	>200
3	U1A003	Kg Gelung Pepuyu	Sitiawan	4.47245	100.80225	60	>200
4	U1A004	Matang Kunda	Bagan Datuk	3.96388	100.75742	60	>100
5	U1A005	Kg Sungai Baru	Rungkup	3.91949	100.71553	60	>500
6	U1A006	Kg Tebuk Imam Tasir	Rungkup	3.88632	100.74164	45	>200
7	U1A007	Kg Sg Batang	Rungkup	3.89200	100.78167	45	>500
8	U1A008	Kg Parit 4 Sg Sumun	Hutan Melintang	3.87703	100.84012	45	>500
9	U1A009	Parit 9	Hutan Melintang	3.86764	100.86481	45	>200
10	U1A010	Parit 19	Hutan Melintang	3.87024	100.90047	45	>100

Appendix 1 – List of Universal Service Target



Cluster 9 - Sabah

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1S001	Ladang STS Agricultural	Persiangan	4.73516	116.48675	76	>200
2	U1S002	Jalan Batu 63 Nabawan-Sapulot	Persiangan	4.79939	116.50386	76	>200
3	U1S003	Kg Tilis	Tenom	4.78315	115.89394	76	>500
4	U1S004	Kg. Katubu	Tenom	4.85833	115.98265	45	>100
5	U1S005	Skim Mesej Ulu Patian	Tenom	4.87291	115.95076	60	>300
6	U1S006	Kg Bamban	Tenom	5.00098	115.89364	45	>200
7	U1S007	Kg Mandalom Baru	Tenom	5.08032	115.98560	60	>500
8	U1S008	Kg Kalanyaan	Tenom	5.19886	116.04417	45	>500
9	U1S009	Kg Pengalat	Tenom	5.29141	115.99666	45	>500
10	U1S010	Kg Tepoh	Tenom	5.31315	116.00022	60	>500
11	U1S011	Kg Sinua Sook	Keningau	5.49031	116.58693	60	>500
12	U1S012	Jalan Kimanis-Keningau_1	Papar	5.45807	116.02681	76	<50
13	U1S013	Skim Mesej Kg Kinolosodon	Papar	5.49652	115.98900	76	>200

Appendix 1 – List of Universal Service Target



Cluster 10 - Sabah

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1S014	Pulau Sebatik Kg Tamang	Tawau	4.25715	117.69592	60	>300
2	U1S015	Pulau Sebatik Sg Limau	Tawau	4.17188	117.81564	60	>500
3	U1S016	Kg Sungai Udin -Tanjong Batu	Tawau	4.42832	117.70995	45	>1,000
4	U1S017	Blok 31 Jln N Queen Hill	Tawau	4.30118	118.05939	45	>1,000
5	U1S018	Kg Bukit Qouin - Ladang Sg Kawa	Tawau	4.38667	118.04130	45	>1,000
6	U1S019	Pulau Bum Bum - Kg Igang-Igang	Semporna	4.46914	118.70531	60	>500
7	U1S020	Pulau Bum Bum - Kg Kabimbangan	Semporna	4.48518	118.68187	60	>500
8	U1S021	Kg Sungai Atas	Kunak	4.66296	118.25534	60	>500
9	U1S022	Kg Kunak 3	Kunak	4.69954	118.23093	60	>1,000
10	U1S023	Jalan Ranau-Sandakan 1	Beluran	5.65967	117.23732	45	>100
11	U1S024	Jalan Sapi Nangoh	Labuk & Sugut	5.79719	117.37370	45	>100
12	U1S025	Kg Tembidung-Bidung	Labuk & Sugut	5.93413	117.35674	60	>300
13	U1S026	Pekan Kecil Paitan	Labuk & Sugut	6.40968	117.38594	76	>300

Appendix 1 – List of Universal Service Target



Cluster 11 - Sabah

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1S027	Ladang Tangkulap (IOI Plantation)	Tongod	5.49153	117.25138	76	>500
2	U1S030	Kg Rungus Nahaba	Tuaran	6.04667	116.39597	76	>500
3	U1S031	Kg Kubatang	Kudat	6.83712	116.74821	76	>200
4	U1S032	Kg Lodung	Kudat	6.83172	116.78620	60	>300
5	U1S033	Kg Indarason Laut	Kudat	6.77163	116.63461	60	>500
6	U1S034	Kg Rondonon	Kudat	6.78001	116.68446	45	>500
7	U1S035	Jalan Kudat Sabah_4	Kudat	6.75770	116.80978	45	>200
8	U1S036	Kg Inukiran	Kudat	6.69780	116.71359	45	>500
9	U1S037	Jalan Panikuan Toporoi 1	Kudat	6.68043	116.72600	45	>100
10	U1S038	Jalan Kota Belud-Kudat_3	Kudat	6.67368	116.75698	60	>300
11	U1S039	Jalan Teringai_2	Kota Marudu	6.65581	116.68655	60	>300

Appendix 1 – List of Universal Service Target



Cluster 12 - Sabah

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1S040	Kg Bilangau Kecil	Pitas	6.67200	116.99481	60	>300
2	U1S041	Kg Salungkapit	Pitas	6.64396	117.01427	45	>300
3	U1S042	Kg Tutuwoon	Pitas	6.65897	117.03638	60	>100
4	U1S043	Kg Pandan Mandamai	Pitas	6.64342	117.04805	60	>200
5	U1S044	Kg Sosop Bai	Pitas	6.64336	117.07504	76	>100
6	U1S045	Kg Kebatasan (Jln Pitas - Kanibongan_1	Pitas	6.70656	117.08721	60	>500
7	U1S046	Kg Ampungai	Pitas	6.73970	117.21484	60	>200
8	U1S047	Kg Mengkapon Pitas	Pitas	6.77025	117.17571	60	>500
9	U1S048	Kg Petani Baru	Pitas	6.74764	117.16113	45	>300
10	U1S049	Kg Pituru	Pitas	6.77753	117.20380	60	>200
11	U1S050	Kg Bawing	Pitas	6.93863	117.11420	76	>200
12	U1S051	Turong Puteh	Pitas	6.96699	117.06354	60	>500
13	U1S052	Kg Tiga Taruk	Pitas	6.98217	117.07380	76	>300

Appendix 1 – List of Universal Service Target



Cluster 13 - Terengganu

No	Site ID	Site Name	Mukim	Latitude	Longitude	Tower Height	Population
1	U1T001	Kg Perasing Jaya	Hulu Jabor	3.97624	103.31132	60	traffic
2	U1T002	Darul Iman Training Centre (DITC)	Teluk Kalong	4.27307	103.47302	60	training centre
3	U1T003	Kg Pengkalan Ranggon	Kerteh	4.54462	103.40890	45	<100
4	U1T004	Kg Rhu Batil	Kuala Abang	4.82170	103.40094	60	>200
5	U1T005	Kg Sekayu	Hulu Tersat	4.96118	102.96555	60	>200
6	U1T006	Kg Machang	Hulu Berang	5.02108	103.08805	60	>500
7	U1T007	Hutechs Kolej	Tanggol	5.09010	103.02574	45	>500
8	U1T008	Kg Kepah	Hulu Telemong	5.14285	102.94553	60	>500
9	U1T009	Kg Pak Ba	Hulu Nerus	5.30290	102.88380	60	>500
10	U1T010	Kg Pak Sik	Hulu Besut	5.45288	102.51952	60	>100
11	U1T011	Kg Keruak	Hulu Besut	5.46681	102.50806	60	>100
12	U1T012	PPRT Kg Belaoh	Hulu Besut	5.48796	102.50068	60	>200
13	U1T013	Kg Kuala Kubang	Jabi	5.66051	102.58060	60	>300

Appendix 2 – Tech Specs for Part 1



MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION

**INVITATION TO REGISTER INTEREST
AS
UNIVERSAL SERVICE PROVIDER**

**Appendix 2
Technical Specifications for Part 1**

Appendix 3 – Tech Specs for Part 2



MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION

INVITATION TO REGISTER INTEREST

AS

UNIVERSAL SERVICE PROVIDER

Appendix 3

Technical Specifications for Part 2

Appendix 4 – Registration of Interest Form



[To be printed on Interested Licensee's Letterhead]

REGISTRATION OF INTEREST

To: **MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION**
MCMC Tower 1, Jalan Impact, Cyber 6
63000 Cyberjaya, Selangor Darul Ehsan.
(Attn: Tender Secretariat)

Date:

Dear Sir,

UNIVERSAL SERVICE PROVISION – REGISTRATION OF INTEREST TO BE UNIVERSAL SERVICE PROVIDER FOR THE PROVISION OF UBIQUITOUS PHASE 1 PROJECT

We refer to the "Invitation To Register Interest As Universal Service Provider – Ref. no. "MCMC/xxxx" ("the Invitation") issued by MCMC on [to insert date].

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 ("the USP Regulations") in the following universal service targets:

	Cluster	Scope of Work
1.	[Insert the Cluster No.]	[PART 1 and / or PART 2]
2.	[Insert the Cluster No.]	[PART 1 and / or PART 2]
3.	[Insert the Cluster No.]	[PART 1 and / or PART 2]
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 targets chosen above on or before the time frame specified in the Invitation.
Signed for and on behalf of

.....
by [*to be signed by the Chief Executive Officer or any other person authorized by the Company*]

Appendix 5 – Summary of Licensee Information



1. Full Company's Name:
2. Full Address:
3. E-Mail Address:
4. Homepage/Website:
5. Status of Incorporation: Sole Proprietor / Partnership / Enterprise / Sendirian Berhad / Berhad / Private Limited / Limited
6. Date Incorporated:
7. Date of Operation:
8. Paid up Capital (RM):
9. Status of Licences:
 - a) NFP(I): Yes / No
 - b) NSP(I): Yes / No
10. Collaboration Partner (If applicable):
11. Number of Employees:
12. Bumiputera Status: Yes (Enclose certification by MOF) / No
13. Financial Details:
 - a) Asset (RM):
 - b) Liability (RM):
 - c) Worth (Asset – Liability) (RM):
14. Enclose financial statement and audited account for the last three (3) financial years
15. Enclose latest return of net revenue as defined in regulation 29 of the USP Regulations
16. A copy of the relevant individual license and its conditions; and
17. Track records (Interested Licensees and Collaboration Partner (if applicable)).

Appendix 6 – Template for Summary of Technical Proposal Part 1



Site ID	Site Name	UST	Coverage Objective	Site Location (decimal)		Tower Type	Tower Height	Implementation Period (Months)
				Lat	Long			

**Please do not change template of Summary*

Appendix 6 – Template for Summary of Technical Proposal Part 2



Site ID	Site Name	UST	Coverage Objective	Site Location (decimal)		Site Transmission Capacity (Bandwidth Mbps)	RAN Sharing Solution (MOCN/MORAN)		Implementation Period (Months)
				Lat	Long		3G	4G	

**Please do not change template of Summary*

Appendix 7 – Template for Summary of Financial Proposal Part 1



No.	Site ID	Site Name	General and Preliminaries (RM)	Tower and Accessories (RM)	Site Infrastructure and Ancillaries (RM)	Additional Works (RM)	Total (RM)
Total Amount (inclusive of any applicable tax imposed by the Government):							

We hereby conclude this is the final cost for Part 1 Cluster #:

CFO / Authorised board member
Company stamp

**Please do not change template of Summary*

Appendix 7 – Template for Summary of Financial Proposal Part 2



No.	Site ID	Site Name	General and Preliminaries	Equipment and System		Backhaul		Antenna System		Minor CME		Upgrading/Additional Equipment		AC Power Supply		Interoperability Cost		Total				
				Capex	Opex	Capex	Opex	Capex	Opex	Capex	Opex	Capex	Opex	Capex	Opex	Capex	Opex	Capex	Opex			
Total Amount (inclusive of any applicable tax imposed by the Government):																						

We hereby conclude this is the final cost for Part 2 Cluster #:

CFO / Authorised board member
Company stamp

**Please do not change template of Summary*

Appendix 8 – Template for Details of Financial Proposal



BILL OF QUANTITY

State: Johor
Site ID: U1J002

PART 2

TX MW
Power TNB G/set

BILL OF QUANTITY

State: Johor
Site ID: U1J001

PART 2

TX MW
Power TNB

(Offroad)

BILL OF QUANTITY

State: Johor
Site ID: U1J002

PART 1

Compound 16m x 16m
Str Type 3L - 76m
leg to Leg: 10m
(ES (Offroad))

RS OPEX (RM)

BILL OF QUANTITY

State: Johor
Site ID: U1J001
Site Name: Kg Bukit Bender
Cluster: 1

Compound 14m x 14m
Str Type 3L - 45m
[Leg to Leg: 6m]
Double Handling -

PART 1

TOTAL (RM)

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL (RM)
1. GENERAL & PRELIMINARIES					
A	Insurance				
1	Provision for Insurance (during construction and warranty period)	LS	1		
B	Site Planning & Design				
1	Site Survey	LS	1		
2	Services of licensed surveyor for setting out of the Site Boundary	LS	1		
3	Soil investigation	LS	1		
4	C&S, M&E Consulting Engineer Services & Design including PE Endorsement	LS	1		
C	Site Acquisition				
1	Site Acquisition Exercise	LS	1		
2	Deposits and preliminary rental charges to landowner during implementation period (prior to official site handover to PART 2)	LS	1		
D	Permitting & Authority Fees				
1	OSA Fees, local authority fees/charges, permit fees, assessment fees and other fees deemed necessary.	LS	1		
2	Signboard as required by Local Authority (If necessary)	LS	1		

Appendix 9 – Template for Statement of Compliance



[To be printed on Interested Licensee's Letterhead]

STATEMENT OF COMPLIANCE

To: **The Chairman**
MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION
MCMC Tower 1, Jalan Impact, Cyber 6
63000 Cyberjaya, Selangor Darul Ehsan

Date:

YBhg. Dato' Sri,

Re: **The Designation of (*Company's name*) as Universal Service Provider for Ubiquitous Phase 1 Project**

We refer to the above matter and the following documents:

- a) the Invitation to Register Interest as Universal Service Provider – Ref. No.: XXX ("Invitation") issued by the Commission dated [insert date]; and
- b) the Draft Universal Service Plan for the Provision of Ubiquitous 1 Project ("Project") submitted to the Commission dated [insert date] ("Draft Universal Service Plan").

2. In consideration of the Commission approving the Draft Universal Service Plan and designating the ABC as a Universal Service Provider, (*Company's name*) hereby UNCONDITIONALLY AND IRREVOCABLY UNDERTAKES:

- a) to be solely responsible for all such omissions/errors without any additional cost chargeable to the Commission. The Commission reserves the right not to entertain any request for variation of price(s) or submission of additional quotes for items left out in the original plan on the grounds of lack of knowledge, oversight etc;
- b) to confirm that it has carefully read and studied all terms, conditions and specifications very carefully before finalizing the Draft Universal Service Plan under the Communications and Multimedia (Universal Service Provision) Regulation 2002 [P.U. (A) 419/2002] (as amended by P.U (A) 258/2008);
- c) to take cognizance that the Draft Universal Service Plan which is approved by the Commission shall constitute the approved universal service plan ("Approved Plan") for the purpose of the implementation of the Project; and

Appendix 10 – Template for Declaration of Integrity



UBIQUITOUS PHASE 1 PROJECT

I, (Name of Company's Representative), NRIC / Passport No. _____ representing (Name of Company with Company No.) ("Company") hereby declare that I, or any individual(s) representing the Company, shall not offer or give bribes to any individual(s) in the Malaysian Communications and Multimedia Commission ("Commission") or any other individual(s), as an inducement to be designated by the Commission as the Designated Universal Service Provider for the Ubiquitous Phase 1 Project ("Project"). I attach herewith a Letter of Authorization which empowers me, as a representative of the Company, to make this declaration.

If I, or any individual(s) representing the Company, is offering or giving any bribes to any individual(s) in the Commission or any other individual(s) as an inducement to be designated by the Commission as the Designated Universal Service Provider for the Project, I hereby agree, as a representative of the Company, for the following actions to be taken:

- 2.1 revocation of designation as the Designated Universal Service Provider for the Project; or
- 2.2 any other actions, at the Commission's absolute and sole discretion.

In the event there is any individual(s) who attempts to solicit any bribe from me or any individual(s) related to the Company as an inducement to be designated by the Commission as the Designated Universal Service Provider for the Project, I hereby pledge to immediately report such act(s) to the Commission and the Malaysian Anti-Corruption Commission (MACC).

Sincerely,

.....
(Signature)

(Name and NRIC No.):

Company stamp:

Note: This declaration is to be submitted together with Letter of Authorization

TENDER COMPLIANCE



Each tender submission shall comprise :



Registration of Interest (Letter)
- Should be in separate envelope

Technical Submission (1 Original & 1 Copy)

Technical CD

Financial Submission (1 Original & 1 Copy)

Financial CD

One-Off Document (1 Original & 1 CD)



Closing Date



Tender Clarification

- Strictly via email to tender@cmc.gov.my only;
- Before 5:00pm;
- On 3rd July 2017;
- Enquiries will be uploaded in MCMC Website.

Registration of Interest / Tender Submission

- **On or before 17th July 2017;**
- **Before 12.00 noon;**
- **At MCMC Old Building;**
- **Late submission shall be rejected;**
- Tenderers are advised to come 30 minutes before 12.00pm.

To complete 2 (TWO) **Acknowledgement Forms** at the counter provided.

Important Notes...



Amendment to the Clause 7.2 of the RFP (format of the Technical and Financial Submission – Kindly refer to MCMC website)



MCMC's website will be the **medium** of information/updates between MCMC and Tenderers



The list in ROI shall be **concurrent** with the submission submitted



Strictly do not change the templates provided in the RFP



The MCMC Tender Secretariat will be the only **point of contact** for this project.



Thank You