



Invitation to Register Interest for the Provision of Public Cellular Service

Time 3 Extension – Phase 1

Briefing to Licensees
21 March 2014

USP Mechanism



Identify & Notification of USP Target Areas & Groups

Type of services, timeline, etc.
[R.4 USP Regulations]

Registration of Interest & USP Draft Plan Submission

Evaluation of USP Draft Plans from Licensees
[R.5 USP Regulations]

Award the Universal Service Provider(s)

Approval of USP Draft Plans by MCMC and appointment of the Universal Service Providers for implementation
[R.9 USP Regulations]

Implementation & Monitoring

Implementation of Universal Service Plan
[R.11-18 USP Regulations]



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Section I

Introduction



- Invitation is made pursuant to USP Regulations:

Regulation 3(1)(b)

- Collective access to basic telephony and internet access services

Regulation 5(1)

- Upon the publication of the notification, the Commission may invite **all licensees** to register their interest to be a universal service provider in a particular universal service target

Regulation 19(2)

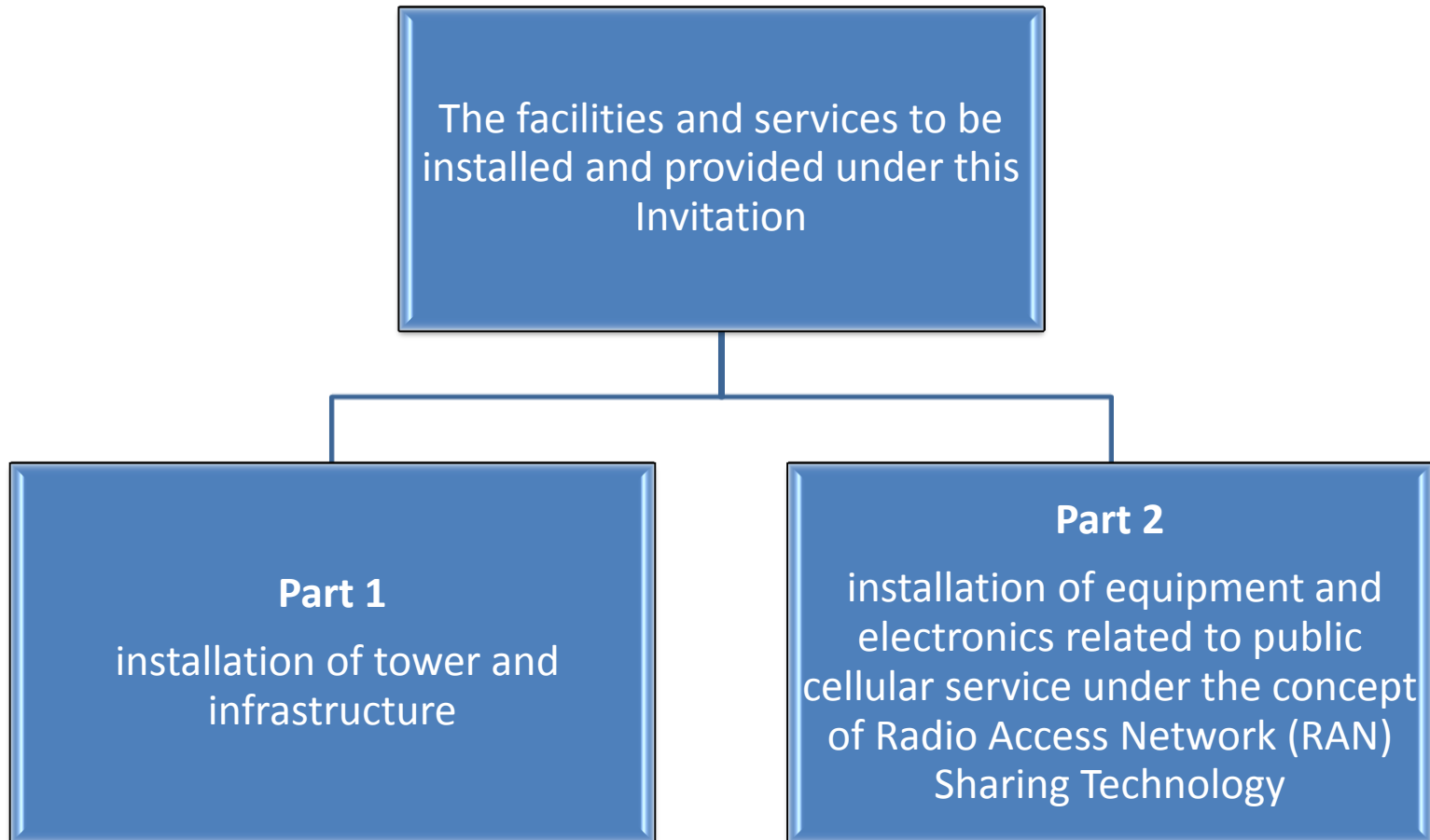
- Net USP cost incurred in the implementing the approved USP Plan is computed as avoidable cost less revenue forgone and any advance payment and quarterly payment.

Section II

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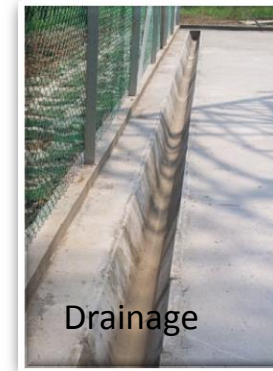
The facilities and services to be provided



Scope of Work (Part 1)

Installation of tower and infrastructure

NO.	CAT	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 Cabin / Outdoor BTS and Genset System
9		Basic Grounding and Earthing Systems
10		Civil Works and Drainage System
11		Fencing System & Entrance Gate
12		Access Road



Scope of Work (Part 2)

Installation of network facilities and network services

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No	Items
1	Base Transceiver Station (BTS) equipment
2	Backhaul via microwave, VSAT or fiber
3	Antenna and Feeder System
4	Antenna Support System
5	AC Power Supply/ genset
6	Feeder Pillar with Meter Panel
7	AC Main Distribution Board Systems – outdoor or indoor type
8	DC power system including back up batteries
9	Outdoor cabinet or Cabin (collective site) complete with accessories
10	Alarm monitoring system, Horizontal Cable Gantry
11	Any necessary upgrades or additional equipment as required in the core network inclusive of natural disasters situation like flooding and etc.

Scope Of Work Part 2 : RAN Sharing

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Provision of 2G and 3G services with the capability of providing voice and data services at broadband speed and 4G-LTE ready

Backhaul

Microwave, leased line (LOS) and availability of wired infrastructure to reduce the implementation cost

capable to cater the usage of minimum 3 Public Cellular Network Providers in supporting 2G and 3G services

RAN Sharing

BSC, RNC, the associated BTS, links, NOC and associated ancillaries facilities with full connectivity to the MSC

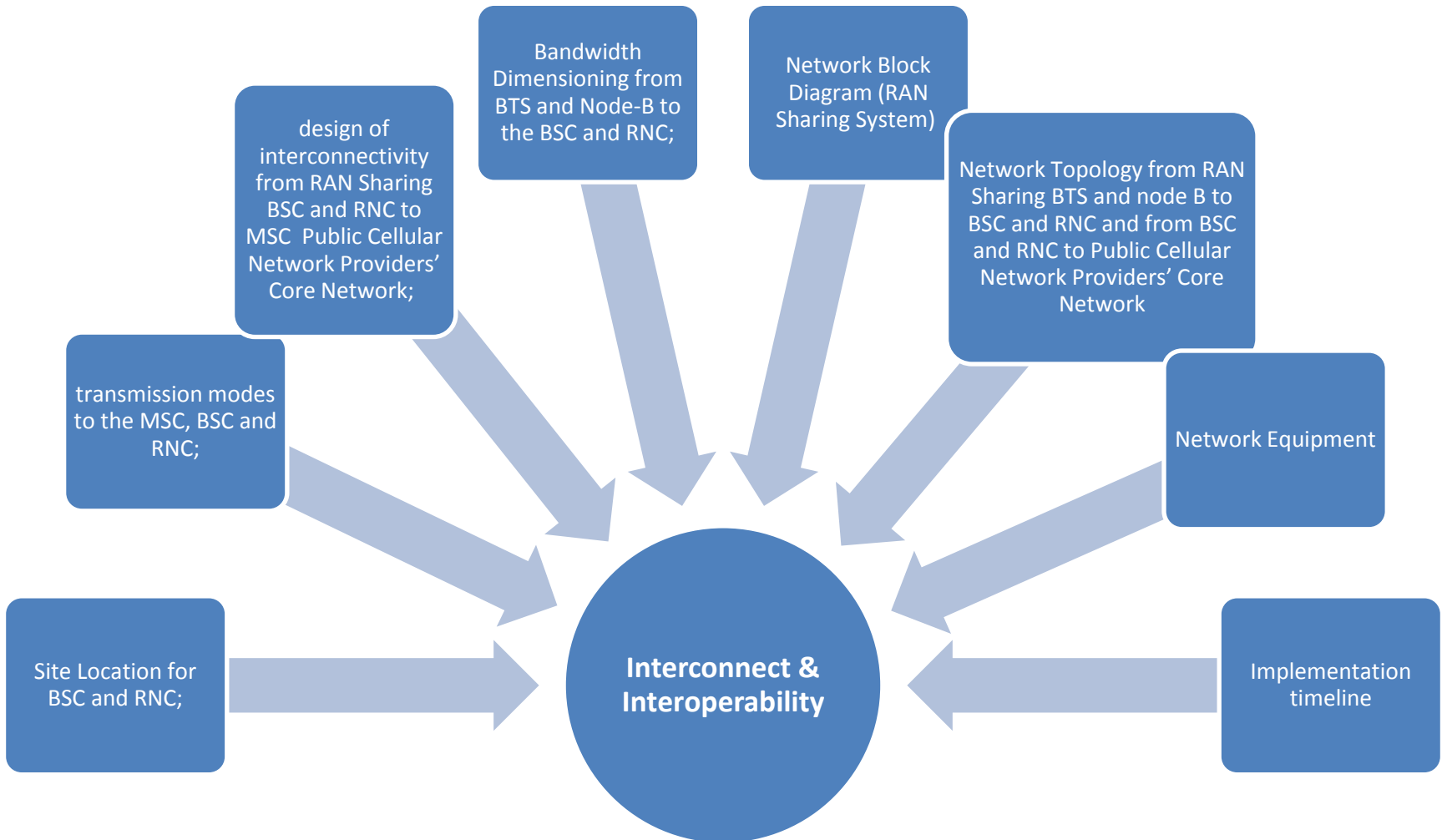
Integrated network planning, monitoring, optimising: uniform coverage and QoS

Access Obligation
↔
public cellular network service providers

Testing procedure

- Connectivity Test;
- Functionality Test
- Network Test; and
- Service Test

Scope Of Work Part 2: RAN Sharing (interconnect and interoperability)

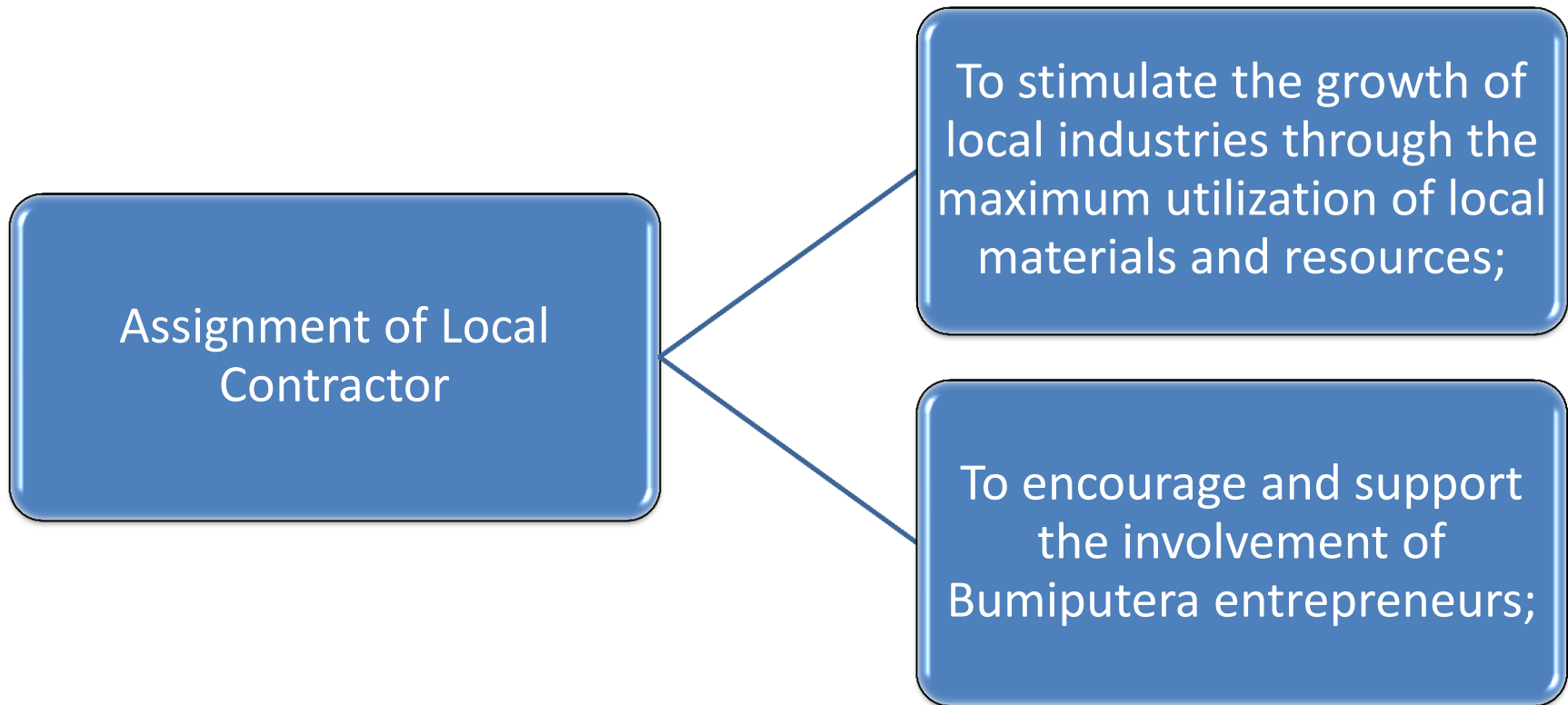


Objective

The Interested licensees are encouraged to include the use of the green technology (in line with the National Green Technology Policy Objective)

- To reduce the energy usage rate;
- To facilitate the growth of the green technology industry;
- To increase national capability and capacity for innovation in green technology development ; and
- To ensure sustainable development and conserve the environment for future generations.

Assignment Of Local Contractor



ROI Requirements



Licenses Requirements:

Part 1:

NFP (I)

- Towers, poles, ducts and pits used in conjunction with other network facilities,

Regulation 19 (Licensing) Regulation 2002

Part 2:

NFP (I)

- Radiocommunications transmitters and links;
- Fixed links and cables;

NSP (I)

Other Requirements :

at **least 1 year experience** and with good track records in the telecommunication tower implementation for Part 1 or Collaboration with contractors with such experience;

No outstanding amount **as of 14th April 2014** :

- USP Fund contribution; and
- License Fees (under CMA license).
- AA Fees / Any other amount due to MCMC

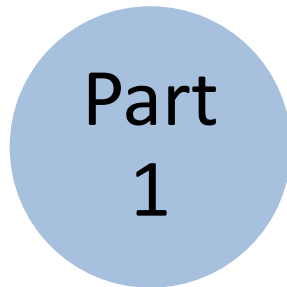
submission will be disqualified

Registration Of Interest

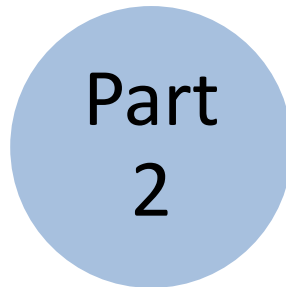
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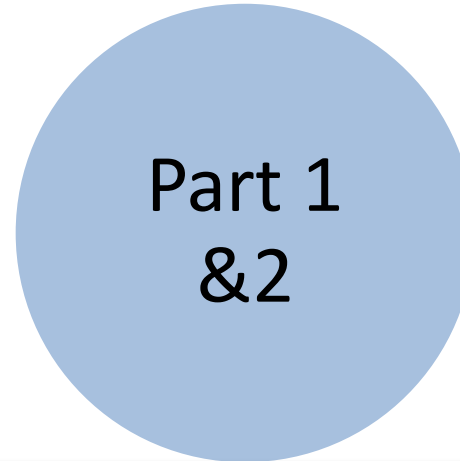
Interested Licensees may register their interest for:



or



or



1 cluster; or
 ≥ 2 clusters; or
All Clusters (32)


Part of sites in a Cluster or any combination of sites ARE NOT ALLOWED

Submission of Draft Universal Service Plan


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The submission of draft universal service plan shall consists :

A stack of three yellow folders, each containing a blue document with a barcode and text.

Technical Proposal (1 Original & 2 Copies)
(Refer template 13.2 & [Appendix 5](#))

A stack of two yellow folders, each containing a blue document with a barcode and text.

Financial Proposal (1 Original & 2 Copies)
(Refer template 13.2 & [Appendix 6](#))

A blue folder containing several documents.

One Off Document ([Appendix 4](#))

- licensee's information and other supporting documents;
- Company profile;
- Letter of collaboration / MOU; and
- A complete set of softcopy of the submission in CD Format

A close-up of hands signing a document with a pen.

To complete [Acknowledgement form](#) at the counter provided.

Scope of The Universal Service Plan



Coverage objective and site location
[\(Appendix 1\);](#)

Capital cost – include cost breakdown, complete computation and net figure
(NO conditional discount & option)
•BoQ template [\(Appendix 7\)](#)

Arrangement of sharing with other licensees (if any);

Project Management Team information;

Description of infrastructure and/or equipment
[\(Appendix 2 & 9\);](#)

Implementation timeline - breakdown into activities;

Operation & Maintenance Support Plan template
[\(Appendix 8\);](#)

Matters to Consider For Approving Draft USP Plan

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Regulation 7

- Covers matters requested
- Efficient economically practicable
- Timeline
- Such other matter

Additional matters to be considered

- financial capacity and capability to implement
- track record and relevant experience related to public cellular projects including work performance in previous USP project

Section III

Payment from the USP Fund



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

Section IV



General Terms & Conditions

Implementation of Approved Universal Service Plan

- may propose a change of site location
- Inform MCMC
- Within same UST

Quality of Service and Rate

- comply with the standard as provided in any mandatory standards or consumer codes registered under the Act

Additional Services

- Part 1 & part 2

Part 1	Part 2
<p>-Responsible for facilities in Category A and Category B as stipulated in Appendix 2 and shall be valid within the warranty period</p>	<p>-provide maintenance and operation support services for both PART 1 (Category B) and PART 2 work as stipulated in Appendix 2</p> <p>-install and maintain equipment's for the provision of services, cabin, power supply and accessories;</p> <p>-ensure the availability of service for 24 hours a day, 7 days a week</p>

Section IV

*cont.....*General Terms & Conditions

Technical Compliance

- comply with the Standard Radio System Plan (SRSP) and any other relevant standards as and when required by MCMC.

Authority Approval

- responsible to obtain the necessary approvals from the state authority, local authority, electrical authority or other relevant authority

Safety

- indemnify and keep indemnified, protect and defend at its own cost and expense, MCMC and its authorized officers

Clarification

- MCMC reserves the right to issue written clarification on the specifications to formalize its requirements more precisely.

Date for Completion

- Part 1: maximum of **5 months**
- Part 2: maximum of **2 months** (after handing over of Part 1)

Extension Of Time (EOT)

- Regulation 38,
- force majeure;
- exceptionally inclement weather;

Section IV

cont.....General Terms & Conditions

Liquidated Damages

- the designated universal provider shall pay MCMC liquidated damages at the **rate of 0.002% per day, 5% per week, for a maximum of 2 weeks**, of the value of the total cost and expenses of the approved universal service draft plan(s).

Warranty Period (from the date of completion work)

- Part 1 shall be responsible to provide warranty for the items as stipulated in Appendix 2 as follows:
- Category A for a period of warranty by tower manufacturer; and
- Category B for a period of 12 month

Performance Bond

- This performance bond is equivalent in value of 10% of the approved universal service plan(s)
- **shall be kept** valid for a period of 12 months from the date of completion of the work.

Section IV

cont.....General Terms & Conditions

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Quality Of Materials And Equipments

- High quality and free from factory defect

Condition of Equipment

- Shall be genuine and newly manufactured

Source of Supply

- State the country of origin
- In line with Malaysian Standard

Inspection and Audit

- Technical and Commercial Audit

Monitoring and Reporting Requirement

- Shall submit progress report from time to time or upon request by MCMC

Enquiries

- All inquiries shall be *at least 14 days before the closing date*

Section V



Coordination of Part 1 and Part 2

- Part 1 and Part 2 service providers shall cooperate at all times to ensure:
 - Facilities installed can enable the provision of network services
 - Entire scope of work is completed within the implementation period

Part 1

- to consult the Part 2 on all relevant matters before commencing
- to promptly notify Part 2 when the tower is ready to allow Part 2 to start their scope of works and subsequently handover to Part 2
- to assist Part 2 to the commencement of any physical work related to site/ access to tower

Part 2

- to assist Part 1 service providers in relevant matter (ie. suitability of sites etc)
- shall promptly attend to issues related to its equipment as and when notified by Part 1

Section VI Natural Disasters Continuation Of Services

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To ensure the public cellular services is still **IN-SERVICE**

- Part 1 to perform any work deemed necessary to improve resilience and to protect the infrastructure following the natural disaster such as flood, erosion due to the climate and others
- shall establish a contingency plan as stated in Item 13.1 (c) (iv) i.e. to install and maintain the equipment during normal condition and also flood disaster period.

List of Appendices

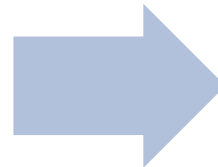


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Closing Date

12:00pm,
31 March 2014

- Registration of Interest (ROI)
- [Appendix 3](#)
- [Acknowledgement Form](#)



12:00pm, 14 April
2014

- Submission of Draft Universal Service Plan
- [Acknowledgement Form](#)



THANK YOU

Appendix 1



APPENDIX 1 – LIST OF UNIVERSAL SERVICE TARGETS

Cluster 1

NO.	SITE ID	STATE	USP TARGET	COVERAGE OBJECTIVE	LATITUDE	LONGITUDE
1	T3E_0001	Johor	Batu Pahat	Kg Pt Hj Yusof	1.733417	103.251187
2	T3E_0002	Johor	Kota Tinggi	Jalan Sg Waha ke Sg Mas	1.657724	104.133440
3	T3E_0003	Johor	Kulaijaya	Kulai to Pekan Nenas (Ldg Kulai Young)	1.626165	103.531867
4	T3E_0004	Johor	Muar	Kg Paya Lebar	1.983503	102.698525
5	T3E_0005	Johor	Paloh	Ldg Kempas & Ladang Gunung Mas	2.204950	103.163350
6	T3E_0006	Johor	Pontian	Kg Simpang Kiri	1.360710	103.496640
7	T3E_0007	Johor	Segamat	Felda Plantation Palong Timur 5	2.782228	102.688163
8	T3E_0008	Johor	Segamat	Felcra Sekijang, Segamat	2.529206	102.937770
9	T3E_0009	Johor	Segamat	Kg Melayu Bukit Siput	2.461039	102.846966
10	T3E_0010	Johor	Segamat	Kg Org Asli Segamat	2.545030	103.004370

Cluster 2

NO.	SITE ID	STATE	USP TARGET	COVERAGE OBJECTIVE	LATITUDE	LONGITUDE
1	T3E_0011	Negeri Sembilan	Gelami Lemi	Jeram Gading	3.081300	102.056900
2	T3E_0012	Negeri Sembilan	Gelami Lemi	Glami Lemi (Pusat Perikanan)	3.020239	102.009781
3	T3E_0013	Negeri Sembilan	Juasseh	Kg Rembang Panas & Kg Kuala Rembang Panas	2.754636	102.310375
4	T3E_0014	Negeri Sembilan	Kenaboi	Kg. Bintongan	2.603143	102.118974
5	T3E_0015	Negeri Sembilan	Kenaboi	Kg. Tohor	3.162110	101.993920
6	T3E_0016	Negeri Sembilan	Pantai	Bkt Tangga	2.829100	101.999400
7	T3E_0017	Negeri Sembilan	Peradong	Kg Chenor, Kg Relai	2.956211	102.108211
8	T3E_0018	Negeri Sembilan	Serting Ulu	Felda Pasoh Dua	2.942575	102.303325
9	T3E_0019	Negeri Sembilan	Terachi	Kg. Parit Istana (Seri Menanti)	2.724492	102.150742

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Appendix 2



APPENDIX 2 – SCOPE OF WORK

A) PART 1: Installation Of Tower and Infrastructure

A1. The facilities to be provided shall include the following components:

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 Cabin / Outdoor BTS and Genset System
9		Basic Grounding and Earthing Systems
10		Civil Works and Drainage System
11		Fencing System & Entrance Gate
12		Access Road

B) PART 2: Installation Of Equipment and Electronics (Radio Access Network (RAN) Sharing Approach)

B1. The equipment to be provided shall include the following components:

NO.	ITEM
1	Base Transceiver Station (BTS) Equipment
2	Backhaul via Microwave, VSAT or Fiber
3	Antenna and Feeder System
4	Antenna Support System
5	AC Power Supply
6	Feeder Pillar with Meter Panel
7	AC Main Distribution Board Systems – Outdoor or Indoor Type
8	DC Power System Including Back Up Batteries
9	Outdoor Cabinet or Cabin Complete With Accessories
10	Alarm Monitoring System
11	Any Necessary Upgrades or Additional Equipment As Required In The Core Network Inclusive For The Contingency Plan for Natural Disasters Situation Like Flooding and Etc.
12	Horizontal Cable Gantry

B2) Cabin shall be deployed only at collector site. As for spur site, outdoor cabinet shall be used.

B3) For the antenna, the required configuration is 3 sector panel antennas with a separation of 60 to 120 degrees between the antennas.

B4) For satellite links, technical measures must be implemented to handle customer expectation with respect to propagation delay and latency.

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Appendix 3



APPENDIX 3 - REGISTRATION OF INTEREST FORM

[To be printed on Interested Licensee's Letterhead]

REGISTRATION OF INTEREST

To: RURAL DEVELOPMENT DIVISION
Suruhanjaya Komunikasi dan Multimedia Malaysia
Ground Floor, Prima Avenue 1,
Block 3507, Jalan Teknokrat 5,
63000 Cyberjaya, Selangor

Date:

Dear Sir,

UNIVERSAL SERVICE PROVISION - REGISTRATION OF INTEREST TO BE
UNIVERSAL SERVICE PROVIDER FOR THE PROVISION OF PUBLIC CELLULAR
SERVICE

We refer to the "Invitation To Register Interest As Universal Service Provider – Ref. no. MCMC/USPT3_EXTN/01/2014" ("the invitation") issued by MCMC on [to insert date].

We hereby register our interest to be the universal service provider pursuant to subregulation 5(1) of the Communications and Multimedia (Universal Service Provision) Regulations 2002 ("the 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 subregulation 6(1) of the 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]

[Return](#)

Appendix 4



APPENDIX 4 – 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(): Yes / No
 - b) NSP(): Yes / No
 - c) ASP(): Yes / No
10. Collaboration Partner (if applicable) :
11. Number of Employees:
12. Bumiputera Status: Yes / No
13. Financial Details:
 - a) Asset (RM):
 - b) Liability (RM):
 - c) Worth (Asset – Liability) (RM):

Note:

- The interested Licensee is required to enclose:
- the financial statement and audited account for the last 2 or 1 financial year in order to support the above information;
 - a copy of individual license and its conditions;
 - track records (Interested Licensees and Collaboration Partner (if applicable).

Enclosed:
Certified true copy
financial statement
and audited account
by company secretary

Company incorporated less
than 2 years only required to
submit 1 year financial
statement and audited account

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Appendix 5



APPENDIX 5- SUMMARY OF TECHNICAL PROPOSAL FOR (CLUSTER #, Scope Of Work: Part #); where applicable

PART 1

USP TARGET	SITE NAME	SITE ID	SITE LOCATION	COVERAGE OBJECTIVE	TOWER TYPE AND HEIGHT	SITE CATEGORY (COLLECTOR / SITE)	CABIN SIZE	SITE FOOTPRINT	COMPLETION DATE
(Name of USP Target 1)	Site A								
	Site B								

(Name of USP Target 2)	Site A								
	Site B								

(Name of USP Target 3)	Site A								

PART 2

USP TARGET	SITE NAME	SITE ID	SITE LOCATION	COVERAGE OBJECTIVE	TOWER TYPE AND HEIGHT	AC & DC POWER SUPPLY	SITE CATEGORY	SITE CAPACITY	INTER OPERABILITY & INTER CONNECTION	EQUIPMENT CONFIGURATION	COMPLETION DATE
(Name of USP Target 1)	Site A										
	Site B										

(Name of USP Target 2)	Site A										
	Site B										

(Name of USP Target 3)	Site A										

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Appendix 6



APPENDIX 6 - SUMMARY OF FINANCIAL PROPOSAL FOR (CLUSTER # Scope Of Work: Part #), where applicable

PART 1

USP TARGET	SITE NAME	SITE ID	PRELIMINARIES	TOWER	SITE INFRASTRUCTURE AND ANCILLARIES	ADDITIONAL WORK (if any)	TOTAL (RM)
(Name of USP Target 1)	Site A						
	Site B						
(Name of USP Target 2)	Site A						
	Site B						

TOTAL (RM)							

PART 2

USP TARGET	SITE NAME	SITE ID	PRELIMINARIES	BTS EQUIPMENT	BACKHAUL	ANTENNA SYSTEM	AC & DC POWER SUPPLY	ALARM SYSTEM	INTER OPERABILITY & INTER CONNECTION	NECESSARY UPGRADES OR ADDITIONAL EQUIPMENT (IF REQUIRED)	TOTAL (RM)
(Name of USP Target 1)	Site A										
	Site B										
(Name of USP Target 2)	Site A										
	Site B										

TOTAL (RM)											

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Appendix 7



APPENDIX 7 - DETAILS OF FINANCIAL PROPOSAL (PER SITE)						
PART 1						
CLUSTER:						
USP TARGET:						
SITE NAME:						
SITE ID:						
Bill of Quantity for 76m Height Tower (20m x 18m footprint)						
ITEM	DESCRIPTION		UNIT	QTY	UNIT COST	TOTAL (RM)
1. PRELIMINARIES						
A	General					
	1	Provision for insurance during construction period	LS			
B	Site Planning & Design					
	1	Site Survey	LS			
	2	Services of licensed surveyor for setting out of the Site Boundary	LS			
	3	Soil Investigation	LS			
	4	C&S, M&E Consulting Engineer Services & Design including PE Endorsement	LS			
C	Site Acquisition					
	1	Deposits and Preliminary rental charges to landowner (prior to official site handover to PART 2) - maximum 3 months + 2 months deposit	LS			
D	Site Management					
	1	Site Monitoring and Inspection	LS			
	2	Monthly Reporting & Meetings	LS			
E	Permitting & Authority Fees					
	1	OSA Fees, Local Authority fee/charges, permit fees and other fees deemed necessary.	LS			
TOTAL PRELIMINARIES						
2. TOWER & ACCESSORIES						
A	Tower Supply					
	1	Supply, Delivery & Install 3 Legged Tower Inclusive of:	LS			
	a	Vertical Gantry				
	b	Fall Arrest System				
	c	Stainless Steel Lightning Arrestor (3m x 16mm dia)				
	d	Anti-Climb devices consisting of cage & barb wire				

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Appendix 8



APPENDIX 8 - MAINTENANCE AND OPERATION SUPPORT PLAN (where applicable)

The preventive and corrective maintenance includes operational checking and testing as well as cleanliness and tidiness of the site and equipment.

A. Preventive Maintenance

NO	ITEM	MANPOWER PER SITE	FREQUENCY	DESCRIPTION

B. Corrective Maintenance

NO	ITEM	MANPOWER PER SITE	RESPONSE TIME	OPERATING CENTER (OPERATING HOUR)

C. Contact Personnel :

D. Hotline/Contact No. :

E. Others :

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Appendix 9



SURUHANJAYA KOMUNIKASI DAN MULTIMEDIA MALAYSIA
(MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION)

INVITATION TO REGISTER INTEREST

AS

UNIVERSAL SERVICE PROVIDER

Appendix 9

Tower and Site Technical Specifications


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Acknowledge Form



	MCMC/RDD/PDD(1)/T3 Extn(P1)/TCA/03/14(01) (Acknowledgement of Submission – Registration of Interest)	UGTCD-T3Ed-P1 Version 1

COMPANY PARTICULARS			For MCMC use only
1.	Company Name :		
2.	Company Address : Tel. No : Fax. No : Email Address :		
3.	Name of representative :		
4.	Contact Persons (Maximum Three Only):		
a.	Name : Designation :	Tel : Email :	Signature:
b.	Name : Designation :	Tel : Email :	Signature:
c.	Name : Designation :	Tel : Email :	Signature:
5.	Details of Submission:		
	Cluster Submitted for Part 1	Cluster Submitted for Part 2	
	No. of Box (Boxes)/ Envelope(s) :	Acknowledged Received : (Day / Date / Time)	

	MCMC/RDD/PDD(1)/T3 Extn(P1)/TCA/03/14(01) (Acknowledgement of Submission – Draft Universal Service Plan)	UGTCD-T3Ed-P1 Version 1

COMPANY PARTICULARS			For MCMC use only
1.	Company Name :		
2.	Company Address : Tel. No : Fax. No : Email Address :		
3.	Name of representative :		
4.	Contact Persons (Maximum Three Only):		
a.	Name : Designation :	Tel : Email :	Signature:
b.	Name : Designation :	Tel : Email :	Signature:
c.	Name : Designation :	Tel : Email :	Signature:
5.	Details of Submission :		
	Cluster No. Submitted for Part 1 :	Cluster No. Submitted for Part 2 :	
	No. of Box (Boxes)/ Envelope(s) :	Acknowledged Received : (Day / Date / Time)	

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