**SATRC Questionnaire**

# Purpose:- To utilise the available spectrum efficiently and optimally so that higher bandwidth applications can be served with the available spectrum using the latest technologies

# Scope:- 1. To understand the technologies(2G, IMT, IMT-Advanced) being used

# in SATRC countries.

# 2. To understand challenges being faced by the SATRC countries due

# to spectrum shortage

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|  | | **Name of the Country :-** | | |  | |  | |  | |  |  | |
|  | **Details about the country** | | | | | | | | | | | |
|  | |  | **2G** | | | **IMT** | | | | **IMT-Advanced** | | |
| **Sr No.** | | **Item** | **GSM** | **CDMA** | | **3G (2.1GHz)** | | **BWA (2.3,2.5,3.3GHz)** | |  | | |
| 1 | | The Technologies being used for 2G/IMT services: | **Yes** | **Yes** | | **No** | | 3.5GHz | |  | | |
| 2 | | Bands under use for GSM technology (In MHz) | 900/ 1800MHz |  | |  | |  | |  | | |
| 3 | | Bands under use for CDMA technology(In MHz) |  | 450, 479, 1900MHz | |  | |  | |  | | |
| 4 | | Number of operators (Technology wise) | 5 | 3 | |  | | 3 | |  | | |
| 5 | | Details of spectrum allocated to each operators.(Please see email to previous questionare) |  |  | |  | |  | |  | | |
| 6 | | Total number of subscriber (technlogy wise)(as on 30th June,2011) |  |  | |  | |  | |  | | |
| 7 | | Approximate monthly addition of wireless subscribers: ........... |  |  | |  | |  | |  | | |
| 8 | | Percentage inhabited area coverage for mobile ( In %age) |  |  | |  | |  | |  | | |
| 9 | | Level of competition in the country : (High/Medium/Low) |  |  | |  | |  | |  | | |
| 10 | | Projected number of subscribers by 2015 in each technology:.. |  |  | |  | |  | |  | | |
| 11 | | Number of BTSs being used to serve the subscribers |  |  | |  | |  | |  | | |

Q1: What is the methodology for assignment of Spectrum in various technologies ? **Auction**

Q2: What is the projected demand of spectrum by 2014/15?

Q3: With the existing spectrum whether the demand of the spectrum by 2014/15 will be fulfilled?

Q4: If No, whether there is plan to add spectrum from other bands? What are these bands? **2.1GHz**

Q5:- Whether is there any plan to re-farm any of the spectrum band, how?

Q6:- Is there any plan to audit the availability of spectrum with the Govt agencies or with the service providers? **No.**

Q7:- Which spectrum efficient techniques are used to utilise the available spectrum efficiently?

Q8:- What is the plan for introduction of IMT-Advanced or WiMax technologies in your country? **WiMax already exists. IMT being planned**

Q9:- Please elaborate the challenges being faced by your country due to spectrum shortage, if any.

Q10:-What are your recommendations to overcome these challenges.

Q11:-What is the price range of user equipment in your country for 2G, 3G

BWA and IMT-Advanced countries?

**2G = Rs.6000-7000/-**

**BWA= Rs.1000-1500/-**

Q12:- Do you consider that these prices are affordable to the common masses? If not, what in your opinion, should be the range of price for these services (give separate price for 2G, 3G,BWA etc, preferably in US$ also.).

**This is affordable**