



ADDENDUM TO:
INFORMATION MEMORANDUM (IM) PUBLISHED
ON 28th April, 2016

**THE AWARD OF 850 MHZ SPECTRUM:
THE NEXT GENERATION MOBILE SERVICES
AWARD (NGMSA)**

31st May 2016

1. Section 2.2.1 the following text

“The licensee will have to take all possible measures while installing its network that ensures that there is no harmful interference to licensees operating in EGSM band. In case there is any interference experienced by neighbouring EGSM operators licensee will have to make adjustments to its network for elimination of interference.” **be replaced as under:**

“The licensee shall ensure compliance with 3GPP standards and will have to take all possible measures while installing its network to ensure that the out-of-band emissions are under the permissible limits defined by ETSI, ANSI, ITU, IEC standards”

2. Section 2.3 the following text:

“The rollout obligations vary depending on whether the Operator is an existing Cellular Mobile NGMS Operator or a New Entrant in the Cellular Mobile Market. NGMSA Licensees that obtain rights to use 850 MHz spectrum shall provide the quality of service defined in its License within the geographic areas and meet the rollout schedule detailed in Table 3 below:” **be replaced as under:**

“The rollout obligations vary depending on whether the Operator is an existing Cellular Mobile NGMS Operator or a New Entrant in the Cellular Mobile Market. Existing Licensees that obtain rights to use 850 MHz spectrum, opt to deploy a technology which is not currently being deployed under other licenses issued to the NGMS licensee, shall provide the quality of service defined in its License within the geographic areas and meet the rollout schedule detailed in Table 3 below.”

3. Table 3 of the IM is changed as under, however roll out obligations for New Entrant remains the same as already provided in the IM:

Where Existing Licensee opts to deploy 3G/UMTS technology and is providing 3G services under other license issued to the licensee the roll out obligations already provided in the license will be applicable.

Where Existing Licensee opts to deploy 4G/LTE technology and is not providing 4G services under other license issued to the licensee following coverage obligations will be applicable:

Phase	Time from the License Effective Date	Coverage requirements*
First phase	1 year	Provide NGMS presence in all four Provincial Capital cities and Federal Capital.
Second phase	3 years	Provide NGMS coverage of 25% of the 3G Coverage Area in ten (10) additional cities (one of which must be located in each of the four provinces)
Third phase	5 years	Provide NGMS coverage of 50% of District Headquarters where coverage of a District Headquarters means the area of the Tehsil within which the District Administrative Headquarters lies.
Fourth phase	7 years	Provide NGMS coverage in 25% of Tehsil Headquarters.
*all timelines are from the effective date of the license		

4. Following text in Table 4 of the IM,

Broadband data service requirements for NGMS licensee with UMTS technology(3G)	
Data throughput	A minimum user data rate of 512 kbps typical
Signal Strength	A minimum outdoor signal strength of -90 dBm must be achievable with 90% confidence

(RSCP)	within the defined coverage area
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Be replaced as under:

Broadband data service requirements for NGMS licensee with UMTS technology(3G)	
Data throughput	A minimum user data rate of 256 kbps typical
Signal Strength (RSCP)	A minimum outdoor signal strength of -100 dBm must be achievable with 90% confidence within the defined coverage area

5. Section 2.9: Fee, The following text

“The Licensee shall pay to the Authority Annual Spectrum Administrative Fee (ASAF), an amount calculated on the basis of the proportion of spectrum allocated to the Licensee out of the total spectrum allocated to all Cellular Mobile Operators and NGMS licensees to recover 75 % of FAB’s total budgeted expenditure for the next Financial Year. The ASAF will fall due on 1st of June every year for the next financial year and is payable in advance latest by 30th June of every year. Any change in payment mechanism of ASAF in future in light of Telecommunication Policy 2015 will be applicable.” **be replaced as under**

“The Licensee shall pay to the Authority Annual Spectrum Administrative Fee (ASAF), an amount calculated on the basis of the proportion of spectrum allocated to the Licensee out of the total spectrum allocated to all Cellular Mobile Operators and NGMS licensees to recover 75 % of FAB’s total budgeted expenditure for the next Financial Year. The ASAF will fall due on 1st of June every year for the next financial year and is payable in advance latest by 30th June of every year. Any change in payment mechanism of ASAF in future in light of Telecommunication Policy 2015 will be applicable. Any change, in payment mechanism of Annual Spectrum Administrative Fee (ASAF) will be carried out in light of Telecommunication Policy 2015.

6. Annex F – License Template: Additional Clause 5.4.2 will added as follows:

“The licensee shall ensure compliance with 3GPP standards and will have to take all possible measures while installing its network to ensure that the out-of-band emissions are under the permissible limits defined by ETSI, ANSI, ITU, IEC standards”

7. Annex F – License Template: Appendix III Clause A1.5.1 the following text

Broadband data service requirements for NGMS licensee with UMTS technology(3G)	
Data throughput	A minimum user data rate of 512 kbps typical
Signal Strength (RSCP)	A minimum outdoor signal strength of -90 dBm must be achievable with 90% confidence within the defined coverage area

be replaced as under:

Broadband data service requirements for NGMS licensee with UMTS technology(3G)	
Data throughput	A minimum user data rate of 256 kbps typical
Signal Strength (RSCP)	A minimum outdoor signal strength of -100 dBm must be achievable with 90% confidence within the defined coverage area