

F. No. J-14025/2012-CDMA  
Government of India  
Ministry of Communication & Information Technology  
Department of Telecommunications  
(WPC Wing)

Dated, the 30<sup>th</sup> December, 2015

✓  
To,

The Secretary,  
Telecom Regulatory Authority of India,  
MTNL Door Sanchar Bhawan,  
Jawahar Lal Nehru Marg,  
New Delhi-110002

**Subject:** TRAI Recommendation on charging for liberalisation of administratively allocated spectrum.

**Reference:** (i) TRAI's recommendations dated 12.05.2012 on 'Auction of Spectrum'.

(ii) TRAI's recommendations dated 09.09.2013 on 'Valuation and Reserve price of Spectrum'.

(iii) Relevant clauses on liberalisation of 800/ 1800 MHz spectrum contained in various Notice Inviting Applications (NIAs) dated 28.09.2012 and onwards.

(iv) National Telecom Policy, 2012

(v) Liberalisation Guidelines, dated 05.11.2015

Sir,

Attention is invited to the enclosed Guidelines, dated 05.11.2015 (copy enclosed) on liberalisation of administratively held spectrum in 800/ 1800 MHz band, issued by DoT, based upon the relevant provisions contained in the documents mentioned under 'Reference' above.

2. The charging principle in the above Guidelines, dated 05.11.2015 is based upon the **latest auction determined price** in a band and service area. If the latest auction determined price is **more than one year old**, then the applicable market price will be arrived at after indexing the last auction determined price at the rate of **SBI PLR**. Further, the Guidelines, vide. Para-16, mentions that "*Guidelines shall not be applicable for liberalisation of a frequency band in a service area where auction determined price is not available for that band.*"

3. The Government approved the Reserve Prices for auction of spectrum in 800 MHz in all 22 service areas. However, due to non-availability of spectrum in this band no spectrum was included in auction of March, 2015 in Rajasthan and Kerala. In case of Karnataka and Tamilnadu service areas no bids were received in spite of being put on auction.

3.1 In the service areas of **Karnataka and Tamilnadu**, as stated, the spectrum in 800 MHz band was put on sale during March, 2015 auction, but it did not get sold; therefore the latest market determined price could not be achieved for the same. However, the auction determined price of March, 2013 and the Government approved Reserve Price contained in the NIA, dated 09.01.2015 are available for these service areas. The Reserve Prices mentioned in the NIA, dated 09.01.2015 for both of these service areas are **higher** than the auction determined prices of March, 2013 (Table comparing various prices is enclosed at **ANNEXURE-I** may kindly be referred to).

3.2 In **Kerala and Rajasthan LSAs**, no spectrum in 800 MHz band was put on sale in March, 2015 auction due to its non-availability; therefore the latest auction determined price is not available for these LSAs. The auction determined price of March, 2013 is available for **Kerala** LSA but auction determined price is not available for **Rajasthan** LSA at all. However, the Government approved Reserve Price of March, 2015 auction is available in respect of these two service areas, which was not put in the NIA.

3.3 Similarly, in respect of **1800 MHz** band in **Bihar** LSA, no bid was received in March, 2015 auction. However, the Reserve Price of March, 2015 is **higher** than the February, 2014 auction determined price.

4. It may be relevant to mention here that, Reserve Price of 800 MHz band in March, 2013 auction was reduced by 50% of Reserve Price of 800MHz in November 2012 auction due to non-availability of contiguous spectrum as one of the reasons. It may also be relevant to mention that Clause 3.10 of NIA, dated 09.01.2015 provides that the differential of the latest auction determined price with that of March, 2013 price, is required to be paid to make the 800 MHz spectrum of March, 2013 contiguous. Further, the constraints/restrictions of the spectrum sold in 2013 auction has also been mentioned in para-8, of the Spectrum Trading Guidelines, dated 12-10-2015 and in Para-8(i) of Spectrum Sharing Guidelines, dated 24-09-2015.

5. It is also to be mentioned that there may be service areas, where no spectrum is available for next auction e.g. in **Kerala** LSA in 800 MHz band, there is no possibility of any auction being held till 2020-21 i.e. till expiry of an existing TSP's License and therefore no auction determined price being available till then. In some cases, only one block (e.g. in Tamilnadu and Karnataka LSAs) is available for auction in 800 MHz band as on date; and more spectrum may not be available till expiry of an existing TSP's license i.e. till 2021. The list containing the validity period of licenses is attached as **ANNEXURE-II**.

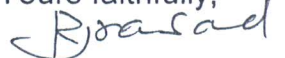
6. Further, it may also be necessary to decide the 'reference date' to count the one year period for indexing the last auction determined price wherever applicable as well as the date from which the SBI PLR shall be applied for indexing.



7. In view of above, TRAI is requested to furnish its recommendations on charging for liberalisation of administratively allotted spectrum in the following situations:

- (a) Where the spectrum was put to sale in the latest auction but remained unsold at Government approved Reserve Price.
- (b) Where the spectrum was **not** put to auction due to non availability in the latest auction. In this case two situations may emerge i.e. (i) Government approved Reserve Price of the latest auction is available but not notified in the NIA; (ii) **No** Government approved Reserve Price of the latest auction is available.
- (c) The '**reference date**' to count the one year period for indexing the last auction determined price/ Applicable Price (as may be recommended), wherever applicable, as well as **the date** from which the SBI PLR shall be applied for indexing.
- (d) Any other issues that may be incidental to the above.

An early response in this regard is solicited.

Yours faithfully,  


(R.B. Prasad)  
Joint Wireless Adviser  
Ph. (off) -011-23372183

**Encls:** (i) ANNEXURE-I, Table comparing various prices.  
(ii) ANNEXURE-II, List containing the validity period of licensees.  
(iii) Liberalisation Guidelines dated 05.11.2015

| 800 MHz Band |                |                                 |                                    |                                    |                     |                                 |                                    |                                    |                     |                               |                                    |                                    |  |                                 |
|--------------|----------------|---------------------------------|------------------------------------|------------------------------------|---------------------|---------------------------------|------------------------------------|------------------------------------|---------------------|-------------------------------|------------------------------------|------------------------------------|--|---------------------------------|
|              |                | Nov-12                          |                                    |                                    |                     | Mar-13                          |                                    |                                    |                     | Mar-15                        |                                    |                                    |  |                                 |
| S.No.        | Service Area   | Spectrum offered for sale (MHz) | Reserve price (Rs. Crores) per MHz | Winning price (Rs. Crores) per MHz | Spectrum Sold (MHz) | Spectrum offered for sale (MHz) | Reserve price (Rs. Crores) per MHz | Winning price (Rs. Crores) per MHz | Spectrum Sold (MHz) | Spectrum put to Auction (MHz) | Reserve Price Per MHz (Rs. Crores) | Winning Price per MHz (Rs. Crores) | % Increase with respect to Reserve Price | Total Spectrum Allocated in MHz |
| 1            | Andhra Pradesh | 2.50                            | 298.39                             | 0.00                               | 0.00                | 2.50                            | 149.19                             | 0.00                               | 0.00                | 6.25                          | 234                                | 605.98                             | 158.97                                   | 3.75                            |
| 2            | Assam          | 5.00                            | 9.02                               | 0.00                               | 0.00                | 5.00                            | 4.50                               | 0.00                               | 0.00                | 13.75                         | 28                                 | 82.22                              | 193.63                                   | 10                              |
| 3            | Bihar          | 5.00                            | 44.21                              | 0.00                               | 0.00                | 5.00                            | 22.10                              | 0.00                               | 0.00                | 5                             | 85                                 | 85.85                              | 1  | 5                               |
| 4            | Delhi          | 3.75                            | 720.78                             | 0.00                               | 0.00                | 3.75                            | 360.39                             | 0.00                               | 3.75                | 3.75                          | 617                                | 847.70                             | 37.39                                    | 1.25                            |
| 5            | Gujarat        | 5.00                            | 233.83                             | 0.00                               | 0.00                | 5.00                            | 116.92                             | 0.00                               | 0.00                | 2.5                           | 275                                | 277.74                             | 1  | 2.5                             |
| 6            | Haryana        | 5.00                            | 48.38                              | 0.00                               | 0.00                | 5.00                            | 24.19                              | 0.00                               | 0.00                | 7.5                           | 38                                 | 56.57                              | 48.86                                    | 7.5                             |
| 7            | H.P.           | 5.00                            | 8.09                               | 0.00                               | 0.00                | 5.00                            | 4.05                               | 0.00                               | 0.00                | 8.75                          | 19                                 | 19.57                              | 2.99                                     | 7.5                             |
| 8            | J & K          | 5.00                            | 6.58                               | 0.00                               | 0.00                | 5.00                            | 3.29                               | 0.00                               | 0.00                | 1.25                          | 28                                 | 28.28                              | 1  | 7.5                             |
| 9            | Karnataka      | 5.00                            | 343.33                             | 0.00                               | 0.00                | 5.00                            | 171.66                             | 0.00                               | 0.00                | 6.25                          | 91                                 | 408.39                             | 848.78                                   | 5                               |
| 10           | Kerala         | 5.00                            | 67.91                              | 0.00                               | 0.00                | 5.00                            | 33.96                              | 0.00                               | 0.00                | 3.75                          | 339                                | 799.42                             | 135.82                                   | 2.5                             |
| 11           | Kolkata        | 3.75                            | 118.27                             | 0.00                               | 0.00                | 3.75                            | 59.14                              | 0.00                               | 0.00                | 7.5                           | 439                                | 727.50                             | 65.72                                    | 7.5                             |
| 12           | M.P.           | 5.00                            | 273.33                             | 0.00                               | 0.00                | 5.00                            | 136.66                             | 0.00                               | 0.00                | 7.5                           | 38                                 | 41.04                              | 85.85                                    | 10                              |
| 13           | Maharashtra    | 3.75                            | 705.59                             | 0.00                               | 0.00                | 3.75                            | 352.80                             | 0.00                               | 0.00                | 1.25                          | 147                                | 147.00                             | 0  | 1.25                            |
| 14           | Mumbai         | 3.75                            | 21.08                              | 0.00                               | 0.00                | 3.75                            | 10.54                              | 0.00                               | 0.00                | 6.25                          | 91                                 | 408.39                             | 848.78                                   | 5                               |
| 15           | North East     | 5.00                            | 69.98                              | 0.00                               | 0.00                | 5.00                            | 34.98                              | 0.00                               | 0.00                | 3.75                          | 339                                | 799.42                             | 135.82                                   | 2.5                             |
| 16           | Orissa         | 2.50                            | 69.76                              | 0.00                               | 0.00                | 2.50                            | 0.00                               | 0.00                               | 0.00                | 3.75                          | 38                                 | 41.04                              | 85.85                                    | 10                              |
| 17           | Punjab         | 5.00                            | 318.34                             | 0.00                               | 0.00                | 5.00                            | 159.17                             | 0.00                               | 0.00                | 1.25                          | 360                                | 0.00                               | 0  | Not sold                        |
| 18           | Rajasthan      | 5.00                            | 79.22                              | 0.00                               | 0.00                | 5.00                            | 39.61                              | 0.00                               | 0.00                | 3.75                          | 134                                | 134.00                             | 0  | 3.75                            |
| 19           | T.N.           | 5.00                            | 111.70                             | 0.00                               | 0.00                | 5.00                            | 55.86                              | 0.00                               | 0.00                | 1.25                          | 95                                 | 95.00                              | 0  | 1.25                            |
| 20           | U.P. (E)       | 5.00                            | 26.87                              | 0.00                               | 0.00                | 5.00                            | 13.43                              | 0.00                               | 0.00                | 1.25                          | 57                                 | 57.00                              | 0  | 1.25                            |
| 21           | U.P. (W)       | 5.00                            | 36.40                              | 0.00                               | 0.00                | 5.00                            | 1785.13                            | 0.00                               | 0.00                | 1.25                          |                                    |                                    |  |                                 |
| 22           | W.B.           | 95.00                           |                                    | 0.00                               | 0.00                | 95.00                           |                                    | 0.00                               | 0.00                |                               |                                    |                                    |  |                                 |
| Total        |                |                                 |                                    |                                    |                     |                                 |                                    |                                    |                     |                               |                                    |                                    |  |                                 |



1800 MHz Band

| 1000 MHz Band |                |   |                                    |   |                                    |                               |   |                                    |                               |   |                                    |                               |        |
|---------------|----------------|---|------------------------------------|---|------------------------------------|-------------------------------|---|------------------------------------|-------------------------------|---|------------------------------------|-------------------------------|--------|
| S.No.         | Service Area   | 2012 Auction                                  |                                    |   | 2013 Auction                       |                               |   | 2014 Auction                       |                               |   | 2015 Auction                       |                               |        |
|               |                | Govt Fixed Reserve price (Rs. Crores) per MHz | Winning price (Rs. Crores) per MHz | Govt Fixed Reserve price (Rs. Crores) per MHz | Winning price (Rs. Crores) per MHz | % increase of AP over last AP | Govt Fixed Reserve price (Rs. Crores) per MHz | Winning price (Rs. Crores) per MHz | % increase of AP over last AP | Govt Fixed Reserve price (Rs. Crores) per MHz | Winning price (Rs. Crores) per MHz | % increase of AP over last AP |        |
| 1             | Andhra Pradesh | 229.53  | 229.53                             |   |                                    |                               | 163.00  | 163.00                             | -28.98                        |   | 169                                | 242.8                         | 48.96  |
| 2             | Assam          | 6.94  | 6.94                               |   |                                    |                               | 7.00  | 36.10                              | 420.47                        |   |                                    |                               |        |
| 3             | Bihar          | 34.01   | 37.14                              |   |                                    |                               | 37.00   | 43.10                              | 16.05                         |   | 62                                 | 0                             |        |
| 4             | Delhi          | 554.45  | 0.00                               | 388.11  | 0.00                               |                               | 219.00  | 364.00                             |                               |   |                                    |                               |        |
| 5             | Gujarat        | 179.87  | 179.87                             |   |                                    |                               | 143.00  | 237.80                             | 32.21                         |   | 238                                | 238                           | 0.08   |
| 6             | Haryana        | 37.22   | 37.22                              |   |                                    |                               | 27.00   | 27.00                              | -27.45                        |   | 32                                 | 46.6                          | 72.59  |
| 7             | H.P.           | 6.22  | 6.22                               |   |                                    |                               | 6.00  | 6.00                               | -3.60                         |   | 9                                  | 15.9                          | 165.00 |
| 8             | J & K          | 5.06  | 5.06                               |   |                                    |                               | 5.00  | 6.10                               | 20.46                         |   |                                    |                               |        |
| 9             | Karnataka      | 264.10  | 0.00                               | 184.87  | 0.00                               |                               | 155.00  | 155.00                             |                               |   | 185                                | 185                           | 19.35  |
| 10            | Kerala         | 52.24   | 52.24                              |   |                                    |                               | 52.00   | 52.00                              | -0.46                         |   | 75                                 | 83.45                         | 60.48  |
| 11            | Kolkata        | 90.98   | 90.98                              |   |                                    |                               | 73.00   | 73.00                              | -19.76                        |   | 73                                 | 149.1                         | 104.25 |
| 12            | M.P.           | 43.19   | 43.19                              |   |                                    |                               | 43.00   | 50.40                              | 16.69                         |   |                                    |                               |        |
| 13            | Maharashtra    | 210.25  | 210.25                             |   |                                    |                               | 173.00  | 290.35                             | 38.10                         |   |                                    |                               |        |
| 14            | Mumbai         | 542.76  | 0.00                               | 379.93  | 0.00                               |                               | 207.00  | 272.00                             |                               |   |                                    |                               |        |
| 15            | North East     | 7.07  | 7.07                               |   |                                    |                               | 7.00  | 7.00                               | -1.02                         |   | 11                                 | 11                            | 57.14  |
| 16            | Orissa         | 16.22   | 16.22                              |   |                                    |                               | 16.00   | 16.00                              | -1.33                         |   | 23                                 | 33.1                          | 106.88 |
| 17            | Punjab         | 53.82   | 53.82                              |   |                                    |                               | 54.00   | 54.00                              | 0.33                          |   | 71                                 | 71                            | 31.48  |
| 18            | Rajasthan      | 53.66   | 0.00                               | 37.56   | 0.00                               |                               | 26.00   | 26.00                              |                               |   | 60                                 | 72.75                         | 179.81 |
| 19            | T.N.           | 244.87  | 244.87                             |   |                                    |                               | 208.00  | 208.00                             | -15.06                        |   | 225                                | 225                           | 8.17   |
| 20            | U.P. (E)       | 60.94   | 60.94                              |   |                                    |                               | 61.00   | 64.00                              | 5.03                          |   | 97                                 | 106.95                        | 67.11  |
| 21            | U.P. (W)       | 85.93   | 85.93                              |   |                                    |                               | 62.00   | 94.95                              | 10.50                         |   | 95                                 | 95.95                         | 1.05   |
| 22            | W.B.           | 20.67   | 20.67                              |   |                                    |                               | 21.00   | 24.60                              | 19.00                         |   |                                    |                               |        |
|               | Total          |   |                                    |   |                                    |                               |   |                                    |                               |   |                                    |                               |        |

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## List of UL(AS)/UASL/CMTS/Basic licences as on 25.11.2013

| Sl. No. | Name of Licensee Company  | Service Area                               | Type of Licence | Effective Date of Licence |
|---------|---------------------------|--|-----------------|---------------------------|
| 1       | Aditya Birla Telecom Ltd. | Bihar                                      | UAS             | 6-Dec-2006                |
| 2       | Aircel Cellular Limited   | Chennai                                    | CMTS            | 29-Nov-1994               |
| 3       | Aircel Ltd.               | Tamilnadu                                  | CMTS            | 31-Dec-1998               |
| 4       | Aircel Ltd.               | Andhra Pradesh                             | UAS             | 5-Dec-2006                |
| 5       | Aircel Ltd.               | Delhi                                      | UAS             | 5-Dec-2006                |
| 6       | Aircel Ltd.               | Gujarat                                    | UAS             | 5-Dec-2006                |
| 7       | Aircel Ltd.               | Karnataka                                  | UAS             | 5-Dec-2006                |
| 8       | Aircel Ltd.               | Maharashtra                                | UAS             | 5-Dec-2006                |
| 9       | Aircel Ltd.               | Rajasthan                                  | UAS             | 5-Dec-2006                |
| 10      | Aircel Ltd.               | Mumbai                                     | UAS             | 6-Dec-2006                |
| 11      | Bharat Sanchar Nigam Ltd. | Andhra Pradesh                             | CMTS            | 29-Feb-2000               |
| 12      | Bharat Sanchar Nigam Ltd. | Assam                                      | CMTS            | 29-Feb-2000               |
| 13      | Bharat Sanchar Nigam Ltd. | Bihar                                      | CMTS            | 29-Feb-2000               |
| 14      | Bharat Sanchar Nigam Ltd. | Gujarat                                    | CMTS            | 29-Feb-2000               |
| 15      | Bharat Sanchar Nigam Ltd. | Haryana                                    | CMTS            | 29-Feb-2000               |
| 16      | Bharat Sanchar Nigam Ltd. | Himachal Pradesh                           | CMTS            | 29-Feb-2000               |
| 17      | Bharat Sanchar Nigam Ltd. | Jammu & Kashmir                            | CMTS            | 29-Feb-2000               |
| 18      | Bharat Sanchar Nigam Ltd. | Karnataka                                  | CMTS            | 29-Feb-2000               |
| 19      | Bharat Sanchar Nigam Ltd. | Kerala                                     | CMTS            | 29-Feb-2000               |
| 20      | Bharat Sanchar Nigam Ltd. | Kolkata                                    | CMTS            | 29-Feb-2000               |
| 21      | Bharat Sanchar Nigam Ltd. | Madhya Pradesh                             | CMTS            | 29-Feb-2000               |
| 22      | Bharat Sanchar Nigam Ltd. | Maharashtra                                | CMTS            | 29-Feb-2000               |
| 23      | Bharat Sanchar Nigam Ltd. | North East                                 | CMTS            | 29-Feb-2000               |
| 24      | Bharat Sanchar Nigam Ltd. | Orissa                                     | CMTS            | 29-Feb-2000               |
| 25      | Bharat Sanchar Nigam Ltd. | Punjab                                     | CMTS            | 29-Feb-2000               |
| 26      | Bharat Sanchar Nigam Ltd. | Rajasthan                                  | CMTS            | 29-Feb-2000               |
|         | Bharat Sanchar Nigam Ltd. | Chennai ( Mergerd with Tamilnadu)          |                 | 29-Feb-2000               |
| 27      | Bharat Sanchar Nigam Ltd. | Tamilnadu (excluding Chennai Service Area) | CMTS            | 29-Feb-2000               |
| 28      | Bharat Sanchar Nigam Ltd. | Uttar Pradesh (East)                       | CMTS            | 29-Feb-2000               |
| 29      | Bharat Sanchar Nigam Ltd. | Uttar Pradesh (West)                       | CMTS            | 29-Feb-2000               |
| 30      | Bharat Sanchar Nigam Ltd. | West Bengal                                | CMTS            | 29-Feb-2000               |
| 31      | Bharti Airtel Limited     | Delhi                                      | UAS             | 29-Nov-1994               |
| 32      | Bharti Airtel Limited     | Kolkata                                    | UAS             | 29-Nov-1994               |
| 33      | Bharti Airtel Limited     | Andhra Pradesh                             | UAS             | 12-Dec-1995               |
| 34      | Bharti Airtel Limited     | Himachal Pradesh                           | UAS             | 12-Dec-1995               |
| 35      | Bharti Airtel Limited     | Punjab                                     | UAS             | 12-Dec-1995               |
| 36      | Bharti Airtel Limited     | Karnataka                                  | UAS             | 15-Feb-1996               |
| 37      | Bharti Airtel Limited     | Gujarat                                    | UAS             | 28-Sep-2001               |
| 38      | Bharti Airtel Limited     | Haryana                                    | UAS             | 28-Sep-2001               |
| 39      | Bharti Airtel Limited     | Kerala                                     | UAS             | 28-Sep-2001               |
| 40      | Bharti Airtel Limited     | Madhya Pradesh                             | UAS             | 28-Sep-2001               |
| 41      | Bharti Airtel Limited     | Maharashtra                                | UAS             | 28-Sep-2001               |
| 42      | Bharti Airtel Limited     | Mumbai                                     | UAS             | 28-Sep-2001               |



|    |  |  |       |             |
|----|--|--|-------|-------------|
| 43 | Bharti Airtel Limited                    | Tamilnadu<br>(including Chennai<br>Service Area) | UAS   | 28-Sep-2001 |
| 44 | Bharti Airtel Limited                    | Uttar Pradesh (West)                             | UAS   | 28-Sep-2001 |
| 45 | Bharti Airtel Limited                    | Bihar  | UAS   | 10-Feb-2004 |
| 46 | Bharti Airtel Limited                    | Jammu & Kashmir                                  | UAS   | 10-Feb-2004 |
| 47 | Bharti Airtel Limited                    | Orissa   | UAS   | 10-Feb-2004 |
| 48 | Bharti Airtel Limited                    | Uttar Pradesh (East)                             | UAS   | 10-Feb-2004 |
| 49 | Bharti Airtel Limited                    | West Bengal                                      | UAS   | 11-Feb-2004 |
| 50 | Bharti Airtel Limited                    | Assam  | UAS   | 8-Jul-2004  |
| 51 | Bharti Hexacom Ltd.                      | North East                                       | CMTS  | 12-Dec-1995 |
| 52 | Bharti Hexacom Ltd.                      | Rajasthan  | UAS   | 22-Apr-1996 |
| 53 | BSNL(L.No.10-32000-BS.II Dt 29.09.2000)  | All India  | Basic | 29-Sep-2000 |
| 54 | Dishnet Wireless Ltd.                    | Assam  | UAS   | 21-Apr-2004 |
| 55 | Dishnet Wireless Ltd.                    | Bihar  | UAS   | 21-Apr-2004 |
| 56 | Dishnet Wireless Ltd.                    | Himachal Pradesh                                 | UAS   | 21-Apr-2004 |
| 57 | Dishnet Wireless Ltd.                    | Jammu & Kashmir                                  | UAS   | 21-Apr-2004 |
| 58 | Dishnet Wireless Ltd.                    | North East                                       | UAS   | 21-Apr-2004 |
| 59 | Dishnet Wireless Ltd.                    | Orissa   | UAS   | 21-Apr-2004 |
| 60 | Dishnet Wireless Ltd.                    | West Bengal                                      | UAS   | 21-Apr-2004 |
| 61 | Dishnet Wireless Ltd.                    | Haryana  | UAS   | 14-Dec-2006 |
| 62 | Dishnet Wireless Ltd.                    | Kerala   | UAS   | 14-Dec-2006 |
| 63 | Dishnet Wireless Ltd.                    | Kolkata  | UAS   | 14-Dec-2006 |
| 64 | Dishnet Wireless Ltd.                    | Madhya Pradesh                                   | UAS   | 14-Dec-2006 |
| 65 | Dishnet Wireless Ltd.                    | Punjab   | UAS   | 14-Dec-2006 |
| 66 | Dishnet Wireless Ltd.                    | Uttar Pradesh (East)                             | UAS   | 14-Dec-2006 |
| 67 | Dishnet Wireless Ltd.                    | Uttar Pradesh (West)                             | UAS   | 14-Dec-2006 |
| 68 | HFCL Infotel Ltd.                        | Punjab   | UAS   | 30-Sep-1997 |
| 69 | Idea Cellular Ltd.                       | Gujarat  | CMTS  | 12-Dec-1995 |
| 70 | Idea Cellular Ltd.                       | Haryana  | CMTS  | 12-Dec-1995 |
| 71 | Idea Cellular Ltd.                       | Kerala   | CMTS  | 12-Dec-1995 |
| 72 | Idea Cellular Ltd.                       | Madhya Pradesh                                   | CMTS  | 12-Dec-1995 |
| 73 | Idea Cellular Ltd.                       | Maharashtra                                      | CMTS  | 12-Dec-1995 |
| 74 | Idea Cellular Ltd.                       | Uttar Pradesh (West)                             | CMTS  | 12-Dec-1995 |
| 75 | Idea Cellular Ltd.                       | Andhra Pradesh                                   | CMTS  | 19-Dec-1995 |
| 76 | Idea Cellular Ltd.                       | Delhi  | CMTS  | 5-Oct-2001  |
| 77 | Idea Cellular Ltd.                       | Himachal Pradesh                                 | CMTS  | 5-Oct-2001  |
| 78 | Idea Cellular Ltd.                       | Rajasthan  | CMTS  | 5-Oct-2001  |
| 79 | Idea Cellular Ltd.                       | Uttar Pradesh (East)                             | CMTS  | 5-Oct-2001  |
| 80 | Idea Cellular Ltd.                       | Mumbai   | UAS   | 5-Dec-2006  |
| 81 | Loop Mobile (India) Ltd.                 | Mumbai   | CMTS  | 29-Nov-1994 |
| 82 | Mahanagar Telephone Nigam Ltd.           | Delhi  | CMTS  | 10-Oct-1997 |
| 83 | Mahanagar Telephone Nigam Ltd.           | Mumbai   | CMTS  | 10-Oct-1997 |
| 84 | MTNL(Lno.1-101/85-MTC/PHB Dt 27.03.1986) | Delhi & Mumbai                                   | Basic | 27-Mar-1986 |
| 85 | Reliance Communications Ltd.             | Gujarat  | UAS   | 30-Sep-1997 |
| 86 | Reliance Communications Ltd.             | Andhra Pradesh                                   | UAS   | 20-Jul-2001 |
| 87 | Reliance Communications Ltd.             | Bihar  | UAS   | 20-Jul-2001 |
| 88 | Reliance Communications Ltd.             | Delhi  | UAS   | 20-Jul-2001 |
| 89 | Reliance Communications Ltd.             | Haryana  | UAS   | 20-Jul-2001 |



|     |                                      |  |        |             |
|-----|--------------------------------------|--|--------|-------------|
| 90  | Reliance Communications Ltd.         | Himachal Pradesh                                 | UAS    | 20-Jul-2001 |
| 91  | Reliance Communications Ltd.         | Karnataka  | UAS    | 20-Jul-2001 |
| 92  | Reliance Communications Ltd.         | Kerala   | UAS    | 20-Jul-2001 |
| 93  | Reliance Communications Ltd.         | Kolkata  | UAS    | 20-Jul-2001 |
| 94  | Reliance Communications Ltd.         | Madhya Pradesh                                   | UAS    | 20-Jul-2001 |
| 95  | Reliance Communications Ltd.         | Maharashtra                                      | UAS    | 20-Jul-2001 |
| 96  | Reliance Communications Ltd.         | Mumbai   | UAS    | 20-Jul-2001 |
| 97  | Reliance Communications Ltd.         | Orissa   | UAS    | 20-Jul-2001 |
| 98  | Reliance Communications Ltd.         | Punjab   | UAS    | 20-Jul-2001 |
| 99  | Reliance Communications Ltd.         | Rajasthan  | UAS    | 20-Jul-2001 |
| 100 | Reliance Communications Ltd.         | Uttar Pradesh (East)                             | UAS    | 20-Jul-2001 |
| 101 | Reliance Communications Ltd.         | Uttar Pradesh (West)                             | UAS    | 20-Jul-2001 |
| 102 | Reliance Communications Ltd.         | West Bengal                                      | UAS    | 20-Jul-2001 |
| 103 | Reliance Communications Ltd.         | Tamilnadu<br>(including Chennai<br>Service Area) | UAS    | 26-Sep-2001 |
| 104 | Reliance Communications Ltd.         | Jammu & Kashmir                                  | UAS    | 6-Sep-2004  |
| 105 | Reliance Telecom Ltd.                | Assam  | UAS    | 12-Dec-1995 |
| 106 | Reliance Telecom Ltd.                | Bihar  | UAS    | 12-Dec-1995 |
| 107 | Reliance Telecom Ltd.                | Himachal Pradesh                                 | UAS    | 12-Dec-1995 |
| 108 | Reliance Telecom Ltd.                | Madhya Pradesh                                   | UAS    | 12-Dec-1995 |
| 109 | Reliance Telecom Ltd.                | North East                                       | UAS    | 12-Dec-1995 |
| 110 | Reliance Telecom Ltd.                | Orissa   | UAS    | 12-Dec-1995 |
| 111 | Reliance Telecom Ltd.                | West Bengal                                      | UAS    | 12-Dec-1995 |
| 112 | Reliance Telecom Ltd.                | Kolkata  | UAS    | 27-Sep-2001 |
| 113 | Sistema Shyam TeleServices Ltd.      | Rajasthan  | UAS    | 4-Mar-1998  |
| 114 | Spice Communications Ltd.            | Karnataka  | UAS    | 9-Apr-1996  |
| 115 | Spice Communications Ltd.            | Punjab   | UAS    | 9-Apr-1996  |
| 116 | Tata Teleservices (Maharashtra) Ltd. | Maharashtra                                      | UAS    | 30-Sep-1997 |
| 117 | Tata Teleservices (Maharashtra) Ltd. | Mumbai   | UAS    | 30-Sep-1997 |
| 118 | Tata Teleservices Ltd.               | Andhra Pradesh                                   | UAS    | 30-Sep-1997 |
| 119 | Tata Teleservices Ltd.               | Delhi  | UAS    | 31-Aug-2001 |
| 120 | Tata Teleservices Ltd.               | Gujarat  | UAS    | 31-Aug-2001 |
| 121 | Tata Teleservices Ltd.               | Karnataka  | UAS    | 31-Aug-2001 |
| 122 | Tata Teleservices Ltd.               | Tamilnadu<br>(including Chennai<br>Service Area) | UAS    | 31-Aug-2001 |
| 123 | Tata Teleservices Ltd.               | Bihar  | UAS    | 30-Jan-2004 |
| 124 | Tata Teleservices Ltd.               | Haryana  | UAS    | 30-Jan-2004 |
| 125 | Tata Teleservices Ltd.               | Himachal Pradesh                                 | UAS    | 30-Jan-2004 |
| 126 | Tata Teleservices Ltd.               | Kerala   | UAS    | 30-Jan-2004 |
| 127 | Tata Teleservices Ltd.               | Kolkata  | UAS    | 30-Jan-2004 |
| 128 | Tata Teleservices Ltd.               | Orissa   | UAS    | 30-Jan-2004 |
| 129 | Tata Teleservices Ltd.               | Punjab   | UAS    | 30-Jan-2004 |
| 130 | Tata Teleservices Ltd.               | Rajasthan  | UAS    | 30-Jan-2004 |
| 131 | Tata Teleservices Ltd.               | Uttar Pradesh (East)                             | UAS    | 30-Jan-2004 |
| 132 | Tata Teleservices Ltd.               | Uttar Pradesh (West)                             | UAS    | 30-Jan-2004 |
| 133 | Tata Teleservices Ltd.               | West Bengal                                      | UAS    | 30-Jan-2004 |
| 134 | Tata Teleservices Ltd.               | Madhya Pradesh                                   | UAS    | 12-Feb-2004 |
| 135 | Videocon Telecommunications Limited  | Haryana  | UL(AS) | 4-Mar-2013  |
| 136 | Videocon Telecommunications Limited  | Uttar Pradesh (East)                             | UL(AS) | 4-Mar-2013  |



|     |                                     |  |        |             |
|-----|-------------------------------------|--|--------|-------------|
| 137 | Videocon Telecommunications Limited | Uttar Pradesh (West)                             | UL(AS) | 4-Mar-2013  |
| 138 | Videocon Telecommunications Limited | Bihar  | UL(AS) | 4-Mar-2013  |
| 139 | Videocon Telecommunications Limited | Gujarat  | UL(AS) | 4-Mar-2013  |
| 140 | Videocon Telecommunications Limited | Madhya Pradesh                                   | UL(AS) | 4-Mar-2013  |
| 141 | Vodafone Essar Cellular Ltd.        | Kerala   | UAS    | 12-Dec-1995 |
| 142 | Vodafone Essar Cellular Ltd.        | Tamilnadu<br>(excluding Chennai<br>Service Area) | UAS    | 12-Dec-1995 |
| 143 | Vodafone Essar Cellular Ltd.        | Maharashtra                                      | UAS    | 19-Dec-1995 |
| 144 | Vodafone Essar Digilink Ltd.        | Haryana  | UAS    | 12-Dec-1995 |
| 145 | Vodafone Essar Digilink Ltd.        | Rajasthan  | UAS    | 12-Dec-1995 |
| 146 | Vodafone Essar Digilink Ltd.        | Uttar Pradesh (East)                             | UAS    | 12-Dec-1995 |
| 147 | Vodafone Essar East Ltd.            | Kolkata  | UAS    | 30-Nov-1994 |
| 148 | Vodafone Essar Gujarat Ltd.         | Gujarat  | UAS    | 19-Dec-1995 |
| 149 | Vodafone Essar Ltd.                 | Mumbai   | UAS    | 29-Nov-1994 |
| 150 | Vodafone Essar Mobile Services Ltd. | Delhi  | UAS    | 30-Nov-1994 |
| 151 | Vodafone Essar South Ltd.           | Chennai  | UAS    | 26-Sep-2001 |
| 152 | Vodafone Essar South Ltd.           | Karnataka  | UAS    | 26-Sep-2001 |
| 153 | Vodafone Essar South Ltd.           | Andhra Pradesh                                   | UAS    | 29-Sep-2001 |
| 154 | Vodafone Essar South Ltd.           | Punjab   | UAS    | 5-Oct-2001  |
| 155 | Vodafone Essar South Ltd.           | Uttar Pradesh (West)                             | UAS    | 13-Feb-2004 |
| 156 | Vodafone Essar South Ltd.           | West Bengal                                      | UAS    | 23-Mar-2004 |
| 157 | Vodafone Essar Spacetel Ltd.        | Assam  | UAS    | 5-Dec-2006  |
| 158 | Vodafone Essar Spacetel Ltd.        | Bihar  | UAS    | 5-Dec-2006  |
| 159 | Vodafone Essar Spacetel Ltd.        | Himachal Pradesh                                 | UAS    | 5-Dec-2006  |
| 160 | Vodafone Essar Spacetel Ltd.        | Jammu & Kashmir                                  | UAS    | 5-Dec-2006  |
| 161 | Vodafone Essar Spacetel Ltd.        | North East                                       | UAS    | 5-Dec-2006  |
| 162 | Vodafone Essar Spacetel Ltd.        | Orissa   | UAS    | 5-Dec-2006  |
| 163 | Vodafone Essar Spacetel Ltd.        | Madhya Pradesh                                   | UAS    | 20-Mar-2007 |

| Summary of Licences |     |
|---------------------|-----|
| Basic               | 2   |
| CMTS                | 37  |
| UAS                 | 118 |
| UL(AS)              | 6   |
| Total               | 163 |

List of Unified Licenses [CLICK HERE](#).





No. J-14025/212/2015-CDMA

Government of India  
Ministry of Communication & Information Technology  
Department of Telecommunication  
Wireless Planning and Coordination Wing  
Sanchar Bhawan, New Delhi

Dated: 05<sup>th</sup> November, 2015

### Guidelines for Liberalisation of Administratively allotted Spectrum in 800 MHz and 1800 MHz frequency bands.

In accordance with the Clause 42.10 of UL amendment dated 05.11.2015, Clause 43.11 of UASL amendment dated 05.11.2015 and Clause 46.7 of CMTS amendment dated 05.11.2015 as well as the various provisions for liberalisation of spectrum in 800 MHz and 1800MHz frequency bands contained in Notice Inviting Applications (NIAs), relating to auction of spectrum held since 2012 onwards, the competent authority hereby, lays down the following terms, conditions and charging criterion in this regard:

1. Existing CMTS/UAS/UL with access service authorization licensees may liberalise their entire administratively allotted spectrum holding in 800MHz and 1800MHz band in a Service Area for the balance validity period of right to use spectrum.
2. Administratively allotted spectrum in 800 MHz and 1800 MHz bands refers to the spectrum allotted prior to auction of right to use spectrum in November 2012.
3. Liberalisation of spectrum in 800MHz and 1800MHz frequency bands will be considered only after a written request for liberalising the entire spectrum, pertaining to a frequency band and LSA, accompanied by a non-refundable processing fee amounting to Rs 50, 000/- per service area in the form of a DD/ Pay Order drawn in favour of PAO (HQ), DoT, New Delhi is received by WPC Wing, DoT from a Telecom Service Provider.
4. After the in-principle approval of the competent authority that the liberalisation of administratively allotted spectrum of the TSP is permitted subject to receipt of necessary payment in this regard, a Demand note to the concerned TSP indicating the total amount payable and due date of payment and terms of payment will be issued by Department.
5. The spectrum will be required to be liberalised for the balance validity period of right to use the same after payment of auction determined price prorated for the balance validity period.
6. The entry fee paid will be pro-rated for the balance validity period of the right to use spectrum and will be deducted from the total amount to be paid by the TSP for liberalising the spectrum.
7. In case more than one set of auction determined prices are available, the latest auction determined prices for the respective frequency band as available at the time of calculation of charges/ amount payable for liberalisation of spectrum, would be applied.
8. If the auction determined price is more than one year old then the prevailing market rates would be determined by indexing the last auction price at the rate of SBI PLR.

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*mf*  
05.11.2015

1 of 2



9. The *date for calculation* of the total amount due for liberalisation will be the thirtieth day from the date of issue of Demand note and the same will be taken as the *Effective Date* of liberalisation.

10. Payment of One Time Spectrum Charges (OTSC) by the TSPs will continue to be governed by this Ministry's Order P-11014/19/2008-PP (Pt.I) dated 28<sup>th</sup> December 2012 & dated 15<sup>th</sup> March 2013. In case the spectrum gets liberalised, the OTSC will be charged up to the *date for calculation* of charges for liberalising the spectrum and the same has to be paid by the licensee. However, if such demand is pending due to judicial intervention barring any coercive action, a bank guarantee equal to this amount shall be submitted pending final outcome of judicial process.

11. Payment will be required to be made within (30) thirty days from the date of issue of Demand note, failing which the Demand note will be deemed to have expired and the TSP will be required to make a fresh request for liberalisation of his administratively held spectrum, if he so desires.

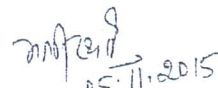
12. A revised frequency allotment will be issued by WPC Wing, DoT after receipt of necessary payment.

13. After getting the spectrum liberalised, the TSPs may combine the same with the spectrum acquired by them in the same band through auctions/ trading.

14. SUC will be required to be paid for the liberalised spectrum as prescribed by the Government from time to time.

15. Notwithstanding above, the liberalized spectrum will be governed by all the relevant conditions laid down in respective NIAs issued from time to time and the relevant service license i.e. CMTS/ UAS/ UL and their amendments.

16. The above guidelines shall not be applicable for liberalisation of a frequency band in a service area where auction determined price is not available for that band.

  
05.11.2015  
(Bhagirath)

Deputy Wireless Advisor  
to the Govt. of India

Copy to:

1. All concerned
2. Wireless Finance Division, DoT
3. Director, Wireless Monitoring Organisation.
4. DDG (AS-I), DoT
5. Director, IT, DoT for uploading on DoT website
6. Sr. DWA (ASMS) for uploading on WPC Wing website