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| IND - India |
| **Centralizing office** | **Postal address** | **Telephone, Telefax, Electronic-mail** | **Remarks** |
|  |  |  |  |
| Wireless Adviser to the Government of IndiaWireless Planning and Coordination WingDepartment of TelecommunicationsMinistry of Communications | 601, Sanchar Bhavan20, Ashoka Road110001 New Delhi | TF : +91 11 23036776TF : +91 11 23755444FAX : +91 11 23716111FAX : +91 11 23372141EMAIL : wawpc@nic.in |  |
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Stations in the Space radiocommunication services

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| --- | --- | --- |
| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
|  |  |  |  |
| **Jalna (ISMES)**  | International Satellite Monitoring Earth Station (ISMES)IndewadiAmbad Road431203 JalnaMaharastraIndia   | TF : +91 24 82225301FAX : +91 24 82225300EMAIL : ismes-dot@gov.in   |

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| **1. Geographical coordinates** |
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| 19°48'13'' N |
| 075°52'06'' E  |

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| **2. Hours of service** |
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| 09:30 - 18:00 (IST- Indian Standard Time) from Monday to Friday. |
| 04:00 - 12:30 (UTC-Coordinated Universal Time) from Monday to Friday.  |

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| **3. Information on antennas in use** |
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| 14 m Cassegrain antenna for frequency range: |
| a) S band: 2.5 GHz - 2.69 GHz |
| b) C band: 3.4 GHz - 4.2 GHz  |

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| **4. Range of azimuth and elevation angles** |
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| Azimuth: 90° - 270° |
| Elevation: 0° - 90°  |

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| **5. Maximum attainable accuracy in determining orbital positions of space stations** |
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| 0.08°  |

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| **6. Information on system polarization** |
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| Vertical, horizontal and circular polarization.  |

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| **7. System noise temperature** |
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| a) S band: 2.5 GHz - 2.69 GHz: G/T = 18 dB/° K @ 2.5 GHz |
| b) C band: 3.4 GHz - 4.2 GHz: G/T = 33 dB/° K @ 4 GHz  |

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| **8. Ranges of frequencies with the maximum attainable accuracy of frequency measurement for each frequency range** |
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| a) S band: 2.5 GHz - 2.69 GHz: 1 x 10-9 |
| b) C band: 3.4 GHz - 4.2 GHz: 1 x 10-9  |

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| **9. Ranges of frequencies in which field strength or power flux-density measurements can be performed** |
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| a) S band: 2.5 GHz - 2.69 GHz |
| b) C band: 3.4 GHz - 4.2 GHz  |

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| **10. Minimum value of measurable field strength or power flux-density with indication of attainable accuracy of measurement** |
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| a) S band: 2.5 GHz - 2.69 GHz: -185 dBW/m2/4 kHz |
| b) C band: 3.4 GHz - 4.2 GHz: -185 dBW/m2/4 kHz |
| Bandwidth 4 kHz, S/N ≥ 10 dB.  |

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| **11. Information available for bandwidth measurements** |
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| Bandwidth measurements in accordance with the methods described in the Spectrum Monitoring Handbook.  |

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| **12. Information available for spectrum occupancy measurements** |
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| Spectrum occupancy information can be generated/extracted through software application from the stored database records.  |

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| **13. Information available for orbit occupancy measurements** |
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| Orbit occupancy information can be generated/extracted through software application from the stored monitored database records.  |

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