

| 56 | Ministry / Department: Department of Space | | | |
|---------|--|--------------------------|-------------|---------------|
| | Name of Schemes | Annual Plan 2011-12 (BE) | | |
| Sl. No. | | GBS | IEBR | Total |
| 1 | 2 | 3 | 4 | 5 |
| 1 | Launch Vehicle Missions | | | |
| i. | GSLV (MKI) | 0.00 | 0.00 | 0.00 |
| ii | GSLV Operational | 217.46 | 0.00 | 217.46 |
| iii | Cryogenic Upper Stage Project (CUSP) | 0.10 | 0.00 | 0.10 |
| iv | GSLV MK III Development | 125.64 | 0.00 | 125.64 |
| v | GSLV MK III Operational | 75.00 | 0.00 | 75.00 |
| vi | PSLV-C (C7 onwards) | 250.00 | 0.00 | 250.00 |
| | Subtotal 1 | 668.20 | 0.00 | 668.20 |
| 2 | Earth Observation Mission | | | |
| i | Oceansat-2 & 3 | 50.00 | 0.00 | 50.00 |
| ii | Radar Imaging Satellite (RISAT-1) | 0.95 | 0.00 | 0.95 |
| iii | Resourcesat-2 & 3 | 32.66 | 0.00 | 32.66 |
| iv | SARAL | 22.50 | 0.00 | 22.50 |
| v | GISAT (GEO Image satellite) (EO - New Missions) | 50.00 | 0.00 | 50.00 |
| vi | Cartosat-3 (EO - New Missions) | 50.00 | 0.00 | 50.00 |
| vii | Technology Experiment Satellites (EO - New Missions) | 70.00 | 0.00 | 70.00 |
| viii | Disaster Management Satellite (DM-SAR) (EO - New Missions) | 25.00 | 0.00 | 25.00 |
| ix | E O Followon Satellites (Envisat) (EO - New Missions) | 5.00 | 0.00 | 5.00 |
| | Subtotal 2 | 306.11 | 0.00 | 306.11 |
| 3 | Space Science Mission | | | |
| i. | Chandrayan-1 & 2 | 80.00 | 0.00 | 80.00 |
| ii | Megha Trpiques | 2.00 | 0.00 | 2.00 |
| iii | Astrosat 1 & 2 | 10.00 | 0.00 | 10.00 |
| iv | Aditya | 40.00 | 0.00 | 40.00 |
| v | Small Satellites for Atmospheric Research & Astronomy | 5.00 | 0.00 | 5.00 |
| | Subtotal 3 | 137.00 | 0.00 | 137.00 |
| 4 | INSAT Satellites | | | |
| i. | INSAT-3 satellite | 127.40 | 0.00 | 127.40 |
| ii | GSAT-4 | 50.00 | 0.00 | 50.00 |
| | INSAT-4 Satellites | | | |
| iii | GSAT-5 / INSAT-4D | 0.00 | 0.00 | 0.00 |
| iv | GSAT-6 / INSAT-4E | 44.00 | 0.00 | 44.00 |
| v | GSAT-8 / INSAT-4G | 5.00 | 0.00 | 5.00 |
| vi | INSAT - 4CR | | | |
| vii | GSAT-9 | 30.00 | 0.00 | 30.00 |
| viii | GSAT-12 | 6.10 | 0.00 | 6.10 |

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| ix | GSAT - 10 (including launch services) | 186.00 | 0.00 | 186.00 |
| x | GSAT 6A | 42.00 | 0.00 | 42.00 |
| xi | INSAT-4 followon satellites (GSAT-13 & followon) | 500.00 | 0.00 | 500.00 |
| xii | INSAT capacity augmentation (short term) | 100.00 | 0.00 | 100.00 |
| | Subtotal INSAT-4 Satellites | 913.10 | 0.00 | 913.10 |
| xiii | Advanced Communication Technology Satellites | 410.00 | 0.00 | 410.00 |
| | Subtotal 4 | 1500.50 | 0.00 | 1500.50 |
| 5 | Satellite Navigation System | 218.30 | 0.00 | 218.30 |
| 6 | Advanced Launch vehicle development | | | |
| i. | Semi Cryogenic Engine/Stage Development | 150.00 | 0.00 | 150.00 |
| ii | Human Space Flight | 98.81 | 0.00 | 98.81 |
| iii | Space capture Recovery experiment-SRE | 4.40 | 0.00 | 4.40 |
| iv | Reusable Launch Vehicle technologies | 17.00 | 0.00 | 17.00 |
| | Subtotal 5 | 270.21 | 0.00 | 270.21 |
| 7 | Major Space Applications and Space Science Research | | | |
| i. | Remote sensing application (inc. EOAM, NRSC, NESAC, RRSSCs, etc) | 34.33 | 0.00 | 34.33 |
| ii | Disaster Management Support System | 34.57 | 0.00 | 34.57 |
| iii | SATCOM application programme | 1.54 | 0.00 | 1.54 |
| iv | Space Science & Environment (inc.PRL, NARL) | 163.00 | 0.00 | 163.00 |
| | Subtotal 6 | 233.44 | 0.00 | 233.44 |
| 8 | Information Technology Related Applications | | | |
| i. | National Natural Resources Data Base/applications. | 60.65 | 0.00 | 60.65 |
| ii | Village Resource Centres | 40.00 | 0.00 | 40.00 |
| iii | Edusat IT network | 20.27 | 0.00 | 20.27 |
| iv | Telemedicine network | 12.80 | 0.00 | 12.80 |
| v | IT applications in Office systems including DWF | 5.00 | 0.00 | 5.00 |
| | Subtotal 7 | 138.72 | 0.00 | 138.72 |
| 9 | R&D, Technology & process development | | | |
| i. | Technology Development programme / R&D/ Small Satellites/Dev. of Semiconductor Technology | 176.06 | 0.00 | 176.06 |
| ii | Development of space material & component & Advance Actions (Spl Indigenisation & Advance Ordering) | 238.76 | 0.00 | 238.76 |
| iii | Sponsored Research (RESPOND) | 15.00 | 0.00 | 15.00 |
| | Subtotal 8 | 429.82 | 0.00 | 429.82 |
| 10 | Infrastructure/auxilliary facilities/capacity building for space programme | | | |
| i. | Indian Institute of Space Science & Technology / HRD | 100.00 | 0.00 | 100.00 |
| ii | International cooperation programme | 2.95 | | 2.95 |
| iii | Technical facilities Replacement/Augmenation | 544.23 | | 544.23 |
| iv | Industry interface and productionisation | 82.86 | | 82.86 |
| v | Technical & Auxiliary facilities support | 855.64 | | 855.64 |
| vi | General Civil Works & Housing | 212.02 | | 212.02 |

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| | Subtotal 9 | 1797.70 | 0.00 | 1797.70 |
| | Total - CS | 5700.00 | 0.00 | 5700.00 |
| | B. Centrally Sponsored Schemes | 0.00 | 0.00 | 0.00 |
| | GRAND TOTAL (A+B) | 5700.00 | 0.00 | 5700.00 |
| | Note 1: (* *) Department of Space is exempted from earmarking 10% Outlay for North East. Also, DOS has no IEBR component in the Budget. | | | |
| | Note 2: Breakup in respect of SI No 6(iv), 7, 8, 9(I), 10(iii), 10(iv), 10(v) & 10(vi) for Annual Plan 2010-11 are as per Annexure enclosed. | | | |