

## CHAPTER II

### RIGHT TO INFORMATION AND OBLIGATIONS OF PUBLIC AUTHORITIES

#### PARA WISE COMMENTS

- 4(1) (a) Information related to most of the branches of the centre is being computerized for making it readily available to public under RTI. HARSAC is in the process of creating its own website ([www.harsac.org](http://www.harsac.org)) wherein all the relevant information would be put for open access by the public.
- 4(1)(b) (i) Department of Science and Technology, Haryana has set up Haryana Space Applications Centre (HARSAC) in the premises of Chaudhary Charan Singh Haryana Agricultural University, Hisar. HARSAC was registered on 26<sup>th</sup> day of February, 1986 under Societies Registration Act XXI of 1860 and as amended by Punjab Amendment Act, 1957. HARSAC has a Memorandum & Rules of Association (**page nos. 23-40**) which defines particular of organization, functions, approach, activities etc.
- 4(1)(b) (ii) The superintendence, control and the management of the affairs of HARSAC, its income and property, both movable and immovable, are vested in the Governing Body, which exercises all powers and performs all duties for carrying out the objects of HARSAC. The Secretary to the Government of Haryana, Science and Technology Department is the Chairman of Governing Body. The Director, Science and Technology Department, Haryana is the ex-officio Director of HARSAC. The Chief Scientist, HARSAC and Principal Scientist are the Functional Head and Deputy Functional Head of HARSAC, respectively. The powers, delegated from time to time by the Governing Body to the Chairman, the Director and the Chief Scientists are appended herewith [**page nos. 41-44 (Chairman, HARSAC), page nos. 43-47 (Director, HARSAC) and page nos. 43-44 & 48-50 (Chief Scientist, HARSAC)**].
- 4(1)(b) (iii) HARSAC has Governing Body, General Body and Advisory Committee. The Governing Body has been defined in para 4(b)(ii) above. All the financial matters etc. are presented in the General Body of HARSAC. The Advisory Committee advises in the area of application of Remote Sensing Technology, helps in periodically drawing up the priorities of investigation and provides feed back for better utilization of technology by the user agencies. The General Body consist members of Governing Body and Advisory Committee and all financial matters come under its purview. Follow up action on the decisions taken by the Governing Body, General Body and Advisory Committee are taken by the concerned divisions in consultation with the Chief

Scientist. HARSAC has seven Technical Divisions as under, each headed by a Senior Scientist:

| Sr. No. | Division                            | Designation   | No. of Posts |
|---------|-------------------------------------|---|--------------|
|         | Head of Institute                   | Chief Scientist                                     | 1            |
|         | Deputy Head of Institute            | Principal Scientist                                 | 1            |
| 1.      | Agriculture/ Landuse                | Senior Scientist (Agriculture/ Landuse)             | 1            |
|         |                                     | Assistant Scientist (Landuse)                       | 1            |
|         |                                     | Assistant Scientist (Agriculture)                   | 1            |
|         |                                     | Senior Scientific Assistant (Agriculture)           | 1            |
| 2.      | Forestry/ Ecology                   | Senior Scientist (Forestry/ Ecology)                | 1            |
|         |                                     | Assistant Scientist (Forestry)                      | 1            |
|         |                                     | Assistant Scientist (Environment/ Ecology)          | 1            |
|         |                                     | Senior Scientific Assistant (Environment/ Ecology)  | 1            |
| 3.      | Water Resources                     | Senior Scientist (Water Resources)                  | 1            |
|         |                                     | Assistant Scientist (Water Resources)               | 1            |
|         |                                     | Senior Scientific Assistant (Water Resources)       | 1            |
| 4.      | Geo-Sciences                        | Senior Scientist (Geology/ Geomorphology)           | 1            |
|         |                                     | Assistant Scientist (Geology/ Geophysics)           | 1            |
|         |                                     | Senior Scientific Assistant (Microwave)             | 1            |
| 5.      | Geoinformtics                       | Senior Scientist (Geomatics)                        | 1            |
|         |                                     | Assistant Scientist (Geomatics)                     | 1            |
|         |                                     | Senior Scientific Assistant (Computer Applications) | 4            |
|         |                                     | Technical Assistants                                | 2            |
| 6.      | Soil Survey & Land Use Planning     | Senior Scientist (Soil Survey & Land Evaluation)    | 1            |
|         |                                     | Assistant Scientist (Soils)                         | 1            |
|         |                                     | Senior Scientific Assistant (Soil Lab)              | 1            |
| 7.      | NRDMS/ Urban and Regional Planning) | Senior Scientist (NRDMS)                            | 1            |
|         |                                     | Assistant Scientist (Urban Landuse)                 | 1            |
|         |                                     | Assistant Scientist (NRDMS)                         | 1            |
|         |                                     | Senior Scientific Assistant                         | 1            |
|         |                                     | Technical Assistant                                 | 1            |

In addition to above, there is also a General Administration Section headed by Administrative Officer, a Accounts Section headed by Accounts Officer (on deputation from Finance Department, Haryana), a Library and other supporting staff.

- 4(1)(b)(iv) General Service Rules (**page nos. 51-86**) have been framed for the effective discharge of the functions of the centre. The Chief Scientists, HARSAC is the Drawing and Disbursing Officer and Functional Head of HARSAC. However, as mentioned above in para 4(b) (iii), each Head of Division is responsible for the function of his Division.

4(1)(b)(v) Memorandum & Rules of Association (**page nos. 23-40**) and General Service Rules (**page nos. 51-86**) of HARSAC which defines particular of organization, functions, approach, activities etc. have been framed.

4(1)(b)(vi) The categories of documents held are as given below:

**1. SATELLITE DATA LIBRARY:**

Imageries, Dia-positives, CCTs, Floppies, C.Ds., DAT and Mounted Products, Books, Magazines, Newspapers, C.Ds. and Technical Reports.

**BOOKS**

Six hundred thirty (630) books are available in the Library.

**LIST OF TECHNICAL REPORTS PUBLISHED:**

| Sr.No | Title  | Report No.                          | Cost (Rupees) |
|-------|--|-------------------------------------|---------------|
| 1.    | Remote Sensing Survey of Wastelands of five Haryana districts.   | Project Report, Volume I, July 1988 | 40.00         |
| 2.    | Wasteland Mapping of Five Districts of Haryana using Remote Sensing Techniques (Hisar, Sirsa, Jind, Karnal, Gurgaon) (July, 1990). | HARSAC/TR/02/90                     | 190.00        |
| 3.    | Mapping & Monitoring of urban Land use of Hiar Town, Haryana, Using Remote Sensing Techniques. (July, 1990)                        | HARSAC/TR/03/90                     | 40.00         |
| 4.    | Mapping & Monitoring of Salt Affected Soil in Karnal District of Haryana using Remote Sensing Data (August, 1990)                  | HARSAC/TR/04/90                     | 40.00         |
| 5.    | Remote Sensing Application Projects of Weaker & Rural Section Development (September, 1990).                                       | HARSAC/TR/05/90                     | 20.00         |
|       | Report on Land use/ Land cover Mapping in  |                                     |               |
| 6.    | Sirsa (July, 1990)   | NIL                                 | 35.00         |
| 7.    | Karnal (October, 1990)   | NIL                                 | 35.00         |
| 8.    | Sonepat (August, 1990)   | NIL                                 | 35.00         |
| 9.    | Bhiwani (August, 1990)   | NIL                                 | 40.00         |
| 10.   | Mahendragarh (October, 1990)   | NIL                                 | 35.00         |
| 11.   | Hisar (July, 1990)   | NIL                                 | 40.00         |
| 12.   | Rohtak (August, 1990)  | NIL                                 | 35.00         |
| 13.   | Gurgaon (August, 1990)   | NIL                                 | 40.00         |
| 14.   | Faridabad (August, 1990)   | NIL                                 | 40.00         |
| 15.   | Kurukshetra (October, 1990)  | NIL                                 | 40.00         |
| 16.   | Jind (July, 1990)  | NIL                                 | 40.00         |
| 17.   | Ambala (October, 1990)   | NIL                                 | 40.00         |
| 18.   | Site Suitability Study for Thermal Power Station, Hisar (September, 1991)  | NIL                                 | 25.00         |

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|-----|--|--------------|--------|
| 19. | Workshop on Scientific Source Finding for Ground Water through Remote Sensing (August 7, 1991) | NIL          | 185.00 |
| 20. | District wise Land use/ Land cover Mapping of Haryana using Satellite Data (1991)              | HARSAC/TR/91 | 265.00 |
| 21. | Benefit of Remote Sensing B.L. Deekshatulu HARSAC Inaugural Address (February 1, 1992)         | NIL          | 20.00  |

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|-----|--|------------------------|--------|
| 22. | Seminar on Remote Sensing Application in National Resource Mapping and Role of HARSAC (July 6, 1992, Haryana Bhawan, Chandigarh) | NIL                    | 115.00 |
| 23. | Land Resources Survey of Hisar District for Land use Planning using Remote Sensing Data (1992)                                   | NIL                    | 210.00 |
| 24. | Integrated Study to combat Drought on Sustainable Basis Through Space Application, District Bhiwani (November, 1992)             | HARSAC/TR/01/92        | 200.00 |
| 25. | Report on Wastelands District Rewari (December, 1992)  | HARSAC/TR/02/92        | 43.00  |
| 26. | Report on Wastelands District Mahendragarh (December, 1992)  | HARSAC/TR/03/92        | 50.00  |
| 27. | Report on Wastelands District Rohtak (December, 1992)  | HARSAC/TR/04/92        | 45.00  |
| 28. | Report on Wastelands District Ambala (December, 1992)  | HARSAC/TR/05/92        | 45.00  |
| 29. | Report on Wastelands District Yamunanagar (December, 1992)   | HARSAC/TR/06/92        | 30.00  |
| 30. | Monitoring & Management of Floods in Hisar and Jind Districts. A Remote Sensing Approach. (March, 1994)                          | HARSAC/TR/01/93        | 50.00  |
| 31. | Natural Resources Study Management in Haryana - A Perspective (February, 1993)   | HARSAC/TR/02/93        | 125.00 |
| 32. | Land use Mapping for six Haryana Towns under Yamuna Action Plan (February, 1993)   | HARSAC/TR/05/93        | 110.00 |
| 33. | Flood Mapping of Sirsa District through Remote Sensing (November, 1993)  | HARSAC/TR/06/93        | 45.00  |
| 34. | A report on Geomorphology & Watershed Mapping, Mahendragarh District, Haryana.   | HARSAC/TR/01/94        | 50.00  |
| 35. | Identification of Potential Watershed in Rohtak District through Remote Sensing.   | HARSAC/TR/01/96        | 80.00  |
| 36. | Wetlands of Haryana (1991-92 Status)   | HARSAC/SAC/WLM/TR/97/1 | 120.00 |
| 37. | Integrated Resource Survey of Rohtak District using Remote Sensing.  | HARSAC/TR/03/97        | 100.00 |
| 38. | Ghaggar Watershed Management using Remote Sensing Data.  | HARSAC/TR/07/97        | 100.00 |
| 39. | Hydrogeomorphological Mapping and Delineation of Ground Water Potential Zones using Satellite Data (Faridabad).                  | HARSAC/TR/01/98        | 75.00  |
| 40. | Hydrogeomorphological Mapping and Delineation of Ground Water Potential Zones using Satellite Data (Gurgaon).                    | HARSAC/TR/01/98        | 70.00  |

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|-----|---|-----------------|--------|
| 41. | Forest Cover Mapping in Aravalli Project area using Remote Sensing Techniques (1990). | HARSAC/TR/02/98 | 100.00 |
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| 42. | Mapping and Monitoring of Forest Cover using Remote Sensing Techniques, District Faridabad (1992).                              | HARSAC/TR/03/98 | 100.00 |
| 43. | Mapping of Forest Cover in Mahendragarh District through Remote Sensing.  | HARSAC/TR/05/98 | 80.00  |
| 44. | Mapping of Forest Cover in Rewari District through Remote Sensing.  | HARSAC/TR/06/98 | 80.00  |
| 45. | Integrated study through Space Applications for Sustainable Development in Mahendragarh Block (IMSD)                            | HARSAC/TR/07/98 | 160.00 |
| 46. | Integrated Resources Survey of Jind District using Remote Sensing.  | HARSAC/TR/08/98 | 100.00 |
| 47. | Atlas – Haryana Wetlands.   | HARSAC/TR/09/98 | 30.00  |
| 48. | Mapping and Monitoring of Forests in Sonapat District using Satellite Remote Sensing Techniques.                                | HARSAC/TR/10/98 | 70.00  |
| 49. | Mapping and Monitoring of Forests in Panipat District using Satellite Remote Sensing Techniques.                                | HARSAC/TR/11/98 | 30.00  |
| 50. | Mapping of Forests in Kaithal District of Haryana State using Satellite Remote Sensing Techniques.                              | HARSAC/TR/12/98 | 30.00  |
| 51. | Mapping of Forests in Kurukshetra District using Satellite Remote Sensing Techniques.   | HARSAC/TR/13/98 | 25.00  |
| 52. | Mapping of Forest Cover in Bhiwani District through Remote Sensing.   | HARSAC/TR/14/98 | 75.00  |
| 53. | Mapping of Forest Cover in Hisar District through Remote Sensing.   | HARSAC/TR/15/98 | 75.00  |
| 54. | Hydrogeomorphological Mapping and Delineation of Ground Water Potential Zones using Satellite Data, District Panchkula.         | HARSAC/TR/01/99 | 70.00  |
| 55. | Mapping and Monitoring of the Green Cover in Shivalik Hills (Kandi) of Haryana State using Satellite Remote Sensing Techniques. | HARSAC/TR/02/99 | 85.00  |
| 56. | Integrated Study through Space Application for Sustainable Development in Hisar I and II Blocks.                                | HARSAC/TR/03/99 | 100.00 |
| 57. | Mapping of Forests in Sirsa District using Satellite Remote Sensing Techniques.   | HARSAC/TR/04/99 | 60.00  |
| 58. | Mapping of Forests in Yamunanagar District using Satellite Remote Sensing Techniques.   | HARSAC/TR/05/99 | 60.00  |
| 59. | Mapping of Forest Cover in Fatehabad District through Remote  | HARSAC/TR/06/99 | 62.00  |

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|     | Sensing.   |                 |       |
| 60. | Landuse and Base Mapping of Bhiwani Town through Remote Sensing Techniques.      | HARSAC/TR/07/99 | 62.00 |
| 61. | Mapping of Forests in Ambala District using Satellite Remote Sensing techniques. | HARSAC/TR/08/99 | 60.00 |

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| 62. | Mapping of Forests in Jind District using Satellite Remote Sensing Techniques.   | HARSAC/TR/09/99   | 25.00  |
| 63. | Mapping of Forests in Rohtak District of Haryana State using Satellite Remote Sensing Techniques.                          | HARSAC/TR/10/99   | 30.00  |
| 64. | Mapping of Forest Cover in Kanal District of Haryana through Satellite Remote Sensing Technique.                           | HARSAC/TR/11/99   | 65.00  |
| 65. | Mapping of Forest Covers in Gurgaon District of Haryana through Satellite Remote Sensing Techniques.                       | HARSAC/TR/12/99   | 30.00  |
| 66. | Sugarcane Acreage Estimation and Monitoring using Remote Sensing and GIS techniques.                                       | HARSAC/TR/13/99   | 100.00 |
| 67. | Urban Landuse and Base Mapping of Rohtak Town using Satellite Data.  | HARSAC/TR/20/99   | 40.00  |
| 68. | Landuse Planning in Chandigarh Periphery Controlled Area using Satellite Data – A Case Study of Pinjaur Area.              | HARSAC/TR/21/99   | 50.00  |
| 69. | Hydrogeomorphological Mapping and Delineation of Ground Water Potential Zones using Satellite Data – District Yamunanagar. | HARSAC/TR/23/99   | 25.00  |
| 70. | Hydrogeomorphological Mapping and Delineation of Ground Water Potential Zones using Satellite Data – District Ambala.      | HARSAC/TR/24/99   | 25.00  |
| 71. | Mapping of Soil and Water Resources of Mewat Area : Problems and their Management using Remote Sensing Techniques.         | HARSAC/TR/25/99   | 80.00  |
| 72. | Integrated Study through Space Application for Sustainable Development in Gurgaon District.                                | HARSAC/TR/26/99   | 100.00 |
| 73. | Digital Data base of wastelands using Remote Sensing Technology, Sonapat District (Haryana).                               | HARSAC/TR/01/2000 | 20.00  |
| 74. | Integrated Land Resource Action Plan Development for Julana Block, Jind District.  | HARSAC/TR/05/2000 | 60.00  |
| 75. | Integrated land resource action plan development for Matenhail Block, Jhajjar District.                                    | HARSAC/TR/06/2000 | 60.00  |
| 76. | Natural Resources Information System, Gurgaon District (Haryana).  | HARSAC/TR/07/2000 | 40.00  |
| 77. | Natural Resources Information System, Bhiwani District (Haryana).  | HARSAC/TR/08/2000 | 40.00  |

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|-----|---|-------------------|-------|
| 78. | Rabi Oilseeds Production Estimation in Southern Haryana using Remote Sensing data - (1993-94 to 1997-98). | HARSAC/TR/20/2000 | 35.00 |
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| 79. | Sugarcane Estimation in the Command Areas of Cooperative Sugar Mills of Haryana using Satellite Data.  | HARSAC/TR/23/2000 | 80.00  |
| 80. | Mapping and Monitoring of Urban Sprawl of Karnal Town – Haryana : 1965-98 through Satellite Remote Sensing Technique.                                      | HARSAC/TR/01/2001 | 25.00  |
| 81. | Landuse and Base Mapping of Rewari Town through Remote Sensing Techniques.   | HARSAC/TR/02/2001 | 35.00  |
| 82. | Urban Landuse Planning in the Haryana Portion of Chandigarh Periphery Area using Satellite Data.   | HARSAC/TR/05/2001 | 60.00  |
| 83. | Simulation of crop response to Environmental Stress on Wheat through Remote Sensing Technique.   | HARSAC/TR/01/2002 | 80.00  |
| 84. | Mapping and Monitoring of Forest Cover and Mining Area along Delhi-Haryana Border (Gurgaon, Faridabad & Delhi) 1992-2001 through Remote Sensing Technique. | HARSAC/TR/02/2002 | 55.00  |
| 85. | Digital Mapping of Tree Cover in Ambala District using Satellite Remote Sensing Technique.   | HARSAC/TR/03/2002 | 30.00  |
| 86. | Digital Mapping of Tree Cover in Panchkula District using Satellite Remote Sensing Technique.  | HARSAC/TR/04/2002 | 30.00  |
| 87. | Digital Mapping of Tree Cover in Yamunanagar District using Satellite Remote Sensing Technique.  | HARSAC/TR/05/2002 | 30.00  |
| 88. | Soil Survey of Sirsa Block, Sirsa District, Haryana through Remote Sensing Technique.  | HARSAC/TR/22/2002 | 55.00  |
| 89. | Resource Atlas of Haryana  | 2004              | 500.00 |
| 90. | Digital Classification of Current Fallow/ Wastelands in sixteen districts of Haryana.  | HARSAC/TR/01/2004 | 165.00 |
| 91. | Integrated Resources Information System for Desert Areas, Hisar District, Haryana.   | HARSAC/TR/02/2004 | 25.00  |
| 92. | Integrated Resources Information System for Desert Areas, Fatehabad District, Haryana.   | HARSAC/TR/03/2004 | 25.00  |
| 93. | Integrated Resources Information System for Desert Areas, Sirsa District, Haryana.   | HARSAC/TR/04/2004 | 25.00  |
| 94. | Integrated Resources Information System for Desert Areas, Matanhail Block, Jhajjar District, Haryana.  | HARSAC/TR/05/2004 | 25.00  |

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| 95. | Hydrogeomorphological Mapping and delineation of ground water potential zones using satellite data, District Kaithal. | HARSAC/TR/11/2004 | 25.00 |
| 96. | Hydrogeomorphological Mapping and delineation of ground water potential zones using satellite data, District Jind.    | HARSAC/TR/12/2004 | 25.00 |

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|-----|---|-------------------|-------|
| 97. | Desertification status mapping of Panchkula District, Haryana using IRS satellite data. | HARSAC/TR/15/2004 | 45.00 |
|-----|---|-------------------|-------|

## 2. MAPS [BLOCK WISE, DISTRICT WISE, THEMATIC, CITY, TOPOGRAPHIC (UNRESTRICTED) MAPS]

### BLOCK WISE MAPS

#### **B1. Mahendergarh Block (Mahendergarh)**

| Sr. No. | Name of Maps                                   | Year | Scale    | No. Maps  |
|---------|--|------|----------|-----------|
| 1       | Depth of Water Level Map, Oct-1992             | 1992 | 1:50,000 | 1         |
| 2       | Transport Network and Settlement location maps | 1992 | 1:50,000 | 1         |
| 3       | Soil Map                                       | 1992 | 1:50,000 | 1         |
| 4       | Depth to Water level Map(June 1993)            | 1992 | 1:50,000 | 1         |
| 5       | Ground Water Fluctuation map (June 1985-89)    | 1992 | 1:50,000 | 1         |
| 6       | Ground Water Quality map                       | 1992 | 1:50,000 | 1         |
| 7       | Landuse/Landcover map                          | 1992 | 1:50,000 | 1         |
| 8       | Land Resource Action Plan map                  | 1992 | 1:50,000 | 1         |
| 9       | Drainage Watershed and surface water body map  | 1992 | 1:50,000 | 1         |
| 10      | Hydrogeomorphological map                      | 1992 | 1:50,000 | 1         |
|         | <b>Total</b>                                   |      |          | <b>10</b> |

#### **B2. Hisar- I Block (Hisar)**

|          |  |             |                 |          |
|----------|--|-------------|-----------------|----------|
| <b>1</b> | Transport Network and Settlement location maps | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>2</b> | Soil Map                                       | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>3</b> | <b>Landuse/Landcover map</b>                   | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>4</b> | <b>Hydrogeomorphological map</b>               | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>5</b> | <b>Ground Water Quality map</b>                | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>6</b> | <b>Land Resource Development Action Plan</b>   | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
|          | Total  |             |                 | 6        |

#### **B3. Hisar- II Block (Hisar)**

|          |  |             |                 |          |
|----------|--|-------------|-----------------|----------|
| <b>1</b> | Transport Network and Settlement location maps | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>2</b> | Soil Map                                       | <b>1</b>    | <b>1:50,000</b> | <b>1</b> |

|          |  |                        |                            |          |
|----------|--|------------------------|----------------------------|----------|
|          |  | <b>999</b>             | <b>0</b>                   |          |
| <b>3</b> | Landuse/Landcover map                        | <b>1</b><br><b>999</b> | <b>1:50,00</b><br><b>0</b> | <b>1</b> |
| <b>4</b> | <b>Hydrogeomorphological map</b>             | <b>1</b><br><b>999</b> | <b>1:50,00</b><br><b>0</b> | <b>1</b> |
| <b>5</b> | <b>Ground Water Quality map</b>              | <b>1</b><br><b>999</b> | <b>1:50,00</b><br><b>0</b> | <b>1</b> |
| <b>6</b> | <b>Land Resource Development Action Plan</b> | <b>1</b><br><b>999</b> | <b>1:50,00</b><br><b>0</b> | <b>1</b> |
|          | Total  |                        |                            | 6        |

**B4. Khol Block (Rewari)**

|           |  |             |                 |           |
|-----------|--|-------------|-----------------|-----------|
| <b>1</b>  | Soil Map                                       | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
| <b>2</b>  | Slope Map                                      | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
| <b>3</b>  | Drainage Watershed & Surface Waterbody         | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
| <b>4</b>  | Ground Water Quality map                       | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
| <b>5</b>  | Landuse/Landcover map                          | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
| <b>6</b>  | Hydrogeomorphological map                      | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
| <b>7</b>  | Transport Network and Settlement location maps | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
| <b>8</b>  | Economically Backward Villages maps            | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
| <b>9</b>  | Socially Backward Villages maps                | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
| <b>10</b> | Villages Lacking Basic Amenities maps          | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
| <b>11</b> | Land Resource Development Action Plan          | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
| <b>12</b> | Water Resource Development Action Plan         | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
| <b>13</b> | Human Resource Development Action Plan         | <b>1999</b> | <b>1:50,000</b> | <b>1</b>  |
|           | <b>Total</b>                                   |             |                 | <b>13</b> |

**B5. Nathusari Chopta (Sirsa)**

|          |   |             |                 |          |
|----------|---|-------------|-----------------|----------|
| <b>1</b> | Soil Map  | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>2</b> | Ground Water Quality map & Depth to Water Table June-1998 | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>3</b> | Landuse/Landcover map                                     | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>4</b> | Hydrogeomorphological map                                 | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>5</b> | Transport Network and Settlement location maps            | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>6</b> | Economically Backward Villages maps                       | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>7</b> | Socially Backward Villages maps                           | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>8</b> | Villages Lacking Basic Amenities maps                     | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>9</b> | Land Resource Development Action Plan                     | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
|          | <b>Total</b>  |             |                 | <b>9</b> |

**B6. Karnal Block (Karnal)**

|          |                           |             |                 |          |
|----------|---------------------------|-------------|-----------------|----------|
| <b>1</b> | Soil Map                  | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>2</b> | Landuse/Landcover map     | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>3</b> | Hydrogeomorphological map | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |

|          |  |             |                 |          |
|----------|--|-------------|-----------------|----------|
| <b>4</b> | Transport Network and Settlement location maps | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
|          | <b>Total</b>                                   |             |                 | <b>4</b> |

### **B7. Nilokheri Block (Karnal)**

|          |  |             |                 |          |
|----------|--|-------------|-----------------|----------|
| <b>1</b> | Soil Map                                       | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>2</b> | Landuse/Landcover map                          | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>3</b> | Hydrogeomorphological map                      | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
| <b>4</b> | Transport Network and Settlement location maps | <b>1999</b> | <b>1:50,000</b> | <b>1</b> |
|          | <b>Total</b>                                   |             |                 | <b>4</b> |

**B8. Julana Block (Jind District)**

|   |                          |      |                 |          |
|---|--------------------------|------|-----------------|----------|
| 1 | Soil Map                 | 1993 | <b>1:50,000</b> | <b>1</b> |
| 2 | Ground Water Quality Map | 1993 | <b>1:50,000</b> | <b>1</b> |
| 3 | Land use\Land cover Map  | 1993 | <b>1:50,000</b> | <b>1</b> |
| 4 | Wasteland Map            | 1993 | <b>1:50,000</b> | <b>1</b> |
| 5 | Geomorphological Map     | 1993 | <b>1:50,000</b> | <b>1</b> |
| 6 | Flood Affected Area      | 1995 | 1:50,000        | 1        |
| 7 | Action Plan Map          | 1995 | 1:50,000        | 1        |
|   | <b>Total</b>             |      |                 | <b>7</b> |

**B9. Matanhel Block (Jhajjar District)**

|   |                           |      |           |          |
|---|---------------------------|------|-----------|----------|
| 1 | Soil                      | 1993 | 1: 50,000 | 1        |
| 2 | Water Quality             | 1993 | 1: 50,000 | 1        |
| 3 | Geomorphology             | 1993 | 1: 50,000 | 1        |
| 4 | Landuse/Land cover        | 1993 | 1: 50,000 | 1        |
| 5 | Wasteland                 | 1993 | 1: 50,000 | 1        |
| 6 | Potential watershed sites | 1993 | 1: 50,000 | 1        |
| 7 | Flood affectedarea-1995   | 1995 | 1: 50,000 | 1        |
| 8 | Action Plan Map           | 1995 | 1: 50,000 | 1        |
|   | <b>Total</b>              |      |           | <b>8</b> |

**B10. Sohna Block**

|   |                       |      |           |          |
|---|-----------------------|------|-----------|----------|
| 1 | Land use \ Land cover | 1999 | 1: 50,000 | 1        |
|   | <b>Total</b>          |      |           | <b>1</b> |

**B11. Sirsa Block**

|   |              |      |           |          |
|---|--------------|------|-----------|----------|
| 1 | Soil Map     | 2002 | 1: 50,000 | 1        |
|   | <b>Total</b> |      |           | <b>1</b> |

**DISTRICT WISE MAPS****D1. Bhiwani District**

|   |   |      |                  |           |
|---|---|------|------------------|-----------|
| 1 | Land Resource Action Plan maps                      | 1990 | 1:100,000        | 1         |
| 2 | Soil Map  | 1990 | <b>1:100,000</b> | 1         |
| 3 | Geomorphological map                                | 1990 | <b>1:100,000</b> | 1         |
| 4 | Water Quality Map                                   | 1990 | <b>1:100,000</b> | 1         |
| 5 | Land use/Land cover Map                             | 1990 | <b>1:100,000</b> | 1         |
| 6 | Socio-economic map(Block Wise)                      | 1990 | 1:100,000        | 8         |
| 7 | Existing Forest & Potential Sites for Afforestation | 1990 | 1:100,000        | 1         |
|   | <b>Total</b>  |      |                  | <b>14</b> |

## D2. Rohtak District

|   |                          |      |            |           |
|---|--------------------------|------|------------|-----------|
| 1 | Soil map                 | 1993 | 1: 50,000  | 9         |
| 2 | Ground Water Quality map | 1993 | 1: 50,000  | 9         |
| 3 | Geomorphology map        | 1993 | 1: 50,000  | 9         |
| 4 | Landuse/Land Cover map   | 1993 | 1: 50,000  | 9         |
| 5 | Socio-economic map       | 1993 | 1:2,50,000 | 1         |
|   | <b>Total</b>             |      |            | <b>37</b> |

## D3. Jind District

|   |                          |      |            |           |
|---|--------------------------|------|------------|-----------|
| 1 | Soil map                 | 1993 | 1:50,000   | 8         |
| 2 | Ground Water Quality map | 1993 | 1: 50,000  | 8         |
| 3 | Geomorphological map     | 1993 | 1: 50,000  | 8         |
| 4 | Landuse/ Landcover map   | 1993 | 1: 50,000  | 8         |
| 5 | Socio-economic map       | 1993 | 1:2,50,000 | 1         |
|   | <b>Total</b>             |      |            | <b>33</b> |

## D4. Gurgaon District

|    |  |          |            |           |
|----|--|----------|------------|-----------|
| 1  | Transport Network and Settlement location maps | 1<br>999 | 1:50,000   | 9         |
| 2  | Soil Map                                       | 1<br>999 | 1:50,000   | 9         |
| 3  | Slope Map                                      | 1<br>999 | 1:50,000   | 9         |
| 4  | Drainage Watershed &Surface Water body map     | 1<br>999 | 1:50,000   | 9         |
| 5  | Ground Water Quality map                       | 1<br>999 | 1:50,000   | 9         |
| 6  | Landuse/Landcover map                          | 1<br>999 | 1:50,000   | 9         |
| 7  | Hydrogeomorphological map                      | 1<br>999 | 1:50,000   | 9         |
| 8  | Land Resource Development Action Plan map      | 1<br>999 | 1:50,000   | 9         |
| 9  | Water Resource Development Action Plan map     | 1<br>999 | 1:50,000   | 9         |
| 10 | Isohyets Map                                   | 1<br>999 | 1:2,50,000 | 1         |
|    | <b>Total</b>                                   |          |            | <b>82</b> |

## D5. Rewari District

|   |              |      |            |          |
|---|--------------|------|------------|----------|
| 1 | Isohyets Map | 1999 | 1:2,50,000 | 1        |
|   | <b>Total</b> |      |            | <b>1</b> |

## D6. Karnal District

|   |              |      |            |          |
|---|--------------|------|------------|----------|
| 1 | Isohyets Map | 1999 | 1:2,50,000 | 1        |
|   | <b>Total</b> |      |            | <b>1</b> |

## D7. Hisar District

|   |                          |       |          |    |
|---|--------------------------|-------|----------|----|
| 1 | Physiographic & Soil Map | 1989- | 1:50,000 | 10 |
|---|--------------------------|-------|----------|----|

|    |  |         |           |           |
|----|--|---------|-----------|-----------|
|    |  | 90      |           |           |
| 2  | Geomorphological Map                                       | 1989-90 | 1:250,000 | 1         |
| 3  | Contour Map  | 1989-90 | 1:250,000 | 1         |
| 4  | Potential Landuse Map                                      | 1989-90 | 1:250,000 | 1         |
| 5  | Ground Water Quality map                                   | 1989-90 | 1:250,000 | 1         |
| 6  | Hydrogeomorphological map                                  | 1989-90 | 1:50,000  | 10        |
| 7  | Hydrogeomorphological map                                  | 1989-90 | 1:250,000 | 1         |
| 8  | Geohydrological Details of Exploratory Boreholes           | 1989-90 | 1:250,000 | 1         |
| 9  | Canal Distribution in Hisar                                | 1989-90 | 1:250,000 | 1         |
| 10 | Ground water Quality Map(Based on Collected water Samples) | 1989-90 | 1:250,000 | 1         |
| 11 | Hydrogeomorphological map (IRS-1A)                         | 1989-90 | 1:250,000 | 1         |
| 12 | Geological Map   | 1989-90 | 1:250,000 | 1         |
| 13 | Hydrogeomorphological map                                  | 1989-90 | 1:250,000 | 1         |
|    | <b>Total</b>   |         |           | <b>31</b> |

## **THEMATIC MAPS**

### **T1. Flood Disaster Mapping Using Remote Sensing Techniques**

| <b>Sr. No.</b> | <b>Name of district</b>    | <b>Map Code No.</b>                                | <b>Total maps</b> |
|----------------|----------------------------|--|-------------------|
|                |                            | <b>Year 1995 Scale 1:50 000</b>                    |                   |
| 1              | Hisar                      | 44O/6,7,10,11,12<br>13+14,15,16.53C/3,4+8,         | 10                |
| 2              | Sirsa                      | 44O/1, 2.  | 2                 |
| 3              | Bhiwani                    | 44P/13, 14, 53C/4+53D/1, 2,<br>3+7, 5, 6.          | 7                 |
| 4              | Jind                       | 53C/1,3,7,6+10,4+8,11+12                           | 6                 |
| 5              | Kaithal                    | 53B/4+8,53C/2,6,9,10,1+5,                          | 6                 |
| 6              | Kurukshetra                | 53B/8+12,16,53C/5+9,13,53F/4+<br>53G/1,            | 5                 |
| 7              | Rohtak including (Jhajjar) | 53C/4+8,12,53D/1+5,6+7,9,10,1<br>1,13,14+15,       | 9                 |
| 8              | Karnal                     | 53C/9+13,10+14+15,53G/1,2+3,                       | 4                 |
| 9              | Panipat                    | 53C/10,11,14,15+16,53G/3,4,                        | 6                 |
| 10             | Sonipat                    | 53C/15+16,8+11+12,53D/9+13,<br>53G/4,53H/1,        | 5                 |
| 11             | Gurgaon                    | 53D/11,14+15,16,54A/13,14,53H<br>/2+3,4,54E/1+2+5, | 8                 |
| 12             | Faridabad                  | 53H/3,4,7+11,8+12,54E/1,5+9,                       | 6                 |
| 13             | Rewari                     | 53D/11,12+16,                                      | 2                 |

| <b>Year 1993. Scale 1:50 000</b>  |                            |                                       |           |
|-----------------------------------|----------------------------|---------------------------------------|-----------|
| 14                                | Jind                       | 53C/1,3,7,6+10,4+8,11+12,2+440/14+15, | 4         |
| 15                                | Hisar(Including Fatehabad) | 44O/5,6,9,10,13,14,                   | 1         |
| 16                                | Sirsa                      | 44O/2,44K/10,14,                      | 1         |
| <b>Year 1988. Scale 1:250 000</b> |                            |                                       |           |
| 17                                | Hisar & Sirsa              | 44/O                                  | 1         |
| 18                                | Jind                       | 53C, 44/O,                            | 1         |
|                                   | <b>Total</b>               |                                       | <b>84</b> |

## **T2. Land use Land cover Maps (STP Project, Haryana)**

|   |              |      |         |          |
|---|--------------|------|---------|----------|
| 1 | Yamuna Nagar | 1993 | 1:25000 | 1        |
| 2 | Faridabad    | -Do- | Do-     | 1        |
| 3 | Sonipat      | -Do- | Do-     | 1        |
| 4 | Gurgaon      | -Do- | Do-     | 1        |
| 5 | Karnal       | -Do- | Do-     | 1        |
| 6 | Panipat      | -Do- | Do-     | 1        |
|   | <b>Total</b> |      |         | <b>6</b> |

## **T3. Landuse/Land cover study of Yamuna River Course Project**

| <b>Sr.No</b> | <b>Area</b>   | <b>Year</b> | <b>Scale</b> | <b>No. Of maps</b> |
|--------------|---|-------------|--------------|--------------------|
| 1            | Yamuna River course Area (covering part of Yamuna Nagar, Karnal, Panipat, Sonipat, Faridabad Distt. and Delhi State | 1992        | 1:50,000     | 10                 |
|              | <b>Total</b>  |             |              | <b>10</b>          |

## **T4. Proposed water conservation Site Map**

| <b>Sr.No.</b> | <b>Distt.</b>                 | <b>Year</b> | <b>Scale</b> | <b>No. of maps</b> |
|---------------|-------------------------------|-------------|--------------|--------------------|
| 1             | Mahendragarh District(Mosaic) | 1997        | 1:50,000     | 1                  |
| 2             | Hisar (including Fatehabad)   | 1995        | 1:50,000     | 14                 |
| 3             | Jhajjar (Block wise)          | 1996        | 1:50,000     | 5                  |
| 4             | Bhiwani (Block wise)          | 1997        | 1:50,000     | 8                  |
|               | <b>Total</b>                  |             |              | <b>28</b>          |

## **T5. Hydrogeomorphological maps of Haryana**

| <b>Sr.No.</b> | <b>Distt.</b> | <b>Year</b> | <b>Scale</b> | <b>No. Of Maps</b> |
|---------------|---------------|-------------|--------------|--------------------|
| 1             | Ambala        | 1999        | 1:50,000     | 7*                 |
| 2             | Gurgaon       | 1997        | 1:50,000     | 9                  |
| 3             | Faridabad     | 1998        | 1:50,000     | 6                  |
| 4             | Panchkula     | 1999        | 1:50,000     | 6*                 |

|    |  |      |            |    |
|----|--|------|------------|----|
| 5  | Mahendragarh                                     | 1999 | 1:50,000   | 8* |
| 6  | Rewari   | 1999 | 1:50,000   | 6* |
| 7  | Yamunanagar                                      | 1999 | 1:50,000   | 6* |
| 8  | Sirsa  | 2000 | 1:50,000   | 13 |
| 9  | Sohna Block                                      | 1999 | 1:50,000   | 1  |
| 10 | Firozpur Jhirka Block                            | 1999 | 1:50,000   | 1  |
| 11 | Sonipat  | 1999 | 1:50,000   | 6* |
| 12 | Sirsa  | 1986 | 1:2,50,000 | 1  |
| 13 | Geological map(Part of Gurgaon distt)            | 2000 | 1:50,000   | 4* |
| 14 | Hydrogeomorphological map(Part of Gurgaon distt) | 2000 | 1:50,000   | 4* |

\* Maps are mosaic on Single Sheet

### T6. Ghaggar Watershed Project

|   |                                 |      |          |          |
|---|---------------------------------|------|----------|----------|
| 1 | Geological Map                  | 1995 | 1:25,000 | 1        |
| 2 | Soil and Water conservation Map | 1995 | 1:25,000 | 1        |
| 3 | Landuse/landcover Map           | 1995 | 1:25,000 | 1        |
| 4 | Land Resource Action Plan map   | 1995 | 1:25,000 | 1        |
| 5 | Physiography & soils Map        | 1995 | 1:25,000 | 1        |
| 6 | Hydrogeomorphological Map       | 1995 | 1:25,000 | 1        |
|   | <b>Total</b>                    |      |          | <b>6</b> |

### T 7. FOREST MAPS OF HARYANA

|    |                          |      |          |            |
|----|--------------------------|------|----------|------------|
| 1  | Mahendragarh             | 1996 | 1:50,000 | 6          |
| 2  | Rewari                   | 1996 | 1:50,000 | 5          |
| 3  | Sonipat                  | 1996 | 1:50,000 | 5          |
| 4  | Panipat                  | 1996 | 1:50,000 | 6          |
| 5  | Faridabad                | 1996 | 1:50,000 | 6          |
| 6  | Bhiwani                  | 1996 | 1:50,000 | 11         |
| 7  | Kaithal                  | 1996 | 1:50,000 | 7          |
| 8  | Kurukshetra              | 1996 | 1:50,000 | 6          |
| 9  | Hisar                    | 1998 | 1:50,000 | 12         |
| 10 | Fatehabad                | 1998 | 1:50,000 | 5          |
| 11 | Yamuna Nagar             | 1998 | 1:50,000 | 6          |
| 12 | Rohtak                   | 1999 | 1:50,000 | 9          |
| 13 | Jind                     | 1999 | 1:50,000 | 8          |
| 14 | Gurgaon                  | 1999 | 1:50,000 | 9          |
| 15 | Karnal                   | 1999 | 1:50,000 | 4          |
| 16 | Ambala                   | 1999 | 1:50,000 | 9          |
| 17 | Sirsa                    | 1999 | 1:50,000 | 9          |
| 18 | Sonipat District(Mosaic) | 1999 | 1:50,000 | 2          |
|    | <b>Total</b>             |      |          | <b>125</b> |

### T8. WETLAND MAPS

|   |                            |      |          |    |
|---|----------------------------|------|----------|----|
| 1 | Rohtak including (Jhajjar) | 1994 | 1:50,000 | 10 |
| 2 | Bhiwani                    | 1995 | -Do-     | 11 |
| 3 | Sonipat                    | -Do- | -Do-     | 5  |
| 4 | Jind                       | -Do- | -Do-     | 8  |
| 5 | Panipat                    | -Do- | -Do-     | 6  |
| 6 | Kaithal                    | -Do- | -Do-     | 7  |

|    |                              |      |      |            |
|----|------------------------------|------|------|------------|
| 7  | Kurukshetra                  | -Do- | -Do- | 6          |
| 8  | Karnal                       | -Do- | -Do- | 7          |
| 9  | Gurgaon                      | -Do- | -Do- | 9          |
| 10 | Faridabad                    | -Do- | -Do- | 6          |
| 11 | M.Garh                       | -Do- | -Do- | 6          |
| 12 | Rewari                       | -Do- | -Do- | 5          |
| 13 | Ambala including (Panchkula) | -Do- | -Do- | 9          |
| 14 | Yamaha Nagar                 | -Do- | -Do- | 6          |
| 15 | Hisar including (Fatehabad)  | -Do- | -Do- | 16         |
| 16 | Sirsa                        | -Do- | -Do- | 9          |
|    | Total                        |      |      | <b>126</b> |

### T9. Waste land maps of Haryana

|    |                             |      |               |           |
|----|-----------------------------|------|---------------|-----------|
| 1  | Jind and Karnal             | 1987 | 1:50,000      | 3         |
| 2  | Hisar & Jind                | -Do- | -Do-          | 6         |
| 3  | Hisar                       | -Do- | -Do-          | 9         |
| 4  | Jind                        | -Do- | -Do-          | 4         |
| 5  | Karnal                      | -Do- | -Do-          | 8         |
| 6  | Hisar & Sirsa               | -Do- | -Do-          | 3         |
| 7  | Sirsa                       | -Do- | -Do-          | 3         |
| 8  | Karnal incl.- uding Panipat | -Do- | 1:1 50<br>000 | 1         |
| 9  | Sirsa                       | -Do- | -Do-          | 1         |
| 10 | Gurgaon                     | -Do- | -Do-          | 1         |
| 11 | Jind                        | -Do- | -Do-          | 1         |
| 12 | Hisar                       | -Do- | -Do-          | 1         |
| 13 | Ambala and Panchkula        | 1992 | 1:50,000      | 9         |
| 14 | Yamuna Nagar                | -Do- | -Do-          | 6         |
| 15 | Rohtak-Jhajjar              | -Do- | -Do-          | 10        |
| 16 | M.Garh                      | -Do- | -Do-          | 8         |
| 17 | Rewari                      | -Do- | -Do-          | 5         |
| 18 | Jind                        | 1995 | -Do-          | 9         |
|    | Total                       |      |               | <b>88</b> |

### T10. Mewat Development Area

Block wise maps( Nuh,Taoru, Sohna, Firozpur Jhirka,Punhana,Hathin)

|    |   |      |          |           |
|----|---|------|----------|-----------|
| 1  | Canal and Drainage Map(Topo-sheet Wise)     | 1999 | 1:50,000 | 8         |
| 2  | Soil Map                                    | 1999 | 1:50,000 | 6         |
| 3  | Slope Map                                   | 1999 | 1:50,000 | 6         |
| 4  | Drainage Watershed & Surface Water body map | 1999 | 1:50,000 | 6         |
| 5  | Ground Water Quality map                    | 1999 | 1:50,000 | 6         |
| 6  | Land use/Land cover map                     | 1999 | 1:50,000 | 6         |
| 7  | Hydrogeomorphological map                   | 1999 | 1:50,000 | 6         |
| 8  | Land Resource Development Action Plan map   | 1999 | 1:50,000 | 6         |
| 9  | Water Resource Development Action Plan map  | 1999 | 1:50,000 | 6         |
| 10 | Soil Salinity and Waterlogged Area          | 1999 | 1:50,000 | 6         |
|    | <b>Total</b>                                |      |          | <b>62</b> |

## **TOWN MAPS**

### **C1. Urban Land Use /Base Map**

| <b>Sr. No.</b> | <b>Towns Maps</b> | <b>Year</b> | <b>Scale</b> | <b>No. of maps</b> |
|----------------|-------------------|-------------|--------------|--------------------|
| 1              | Hisar             | 2000        | 1:12500      | 1                  |
| 2              | Bhiwani           | 2000        | 1:12500      | 1                  |
| 3              | Rohtak            | 2000        | 1:12500      | 1                  |
| 4              | Narnaul           | 2000        | 1:12500      | 1                  |
| 5              | Sirsa             | 2000        | 1:12500      | 1                  |
| 6              | Rewari            | 2000        | 1:12500      | 1                  |
|                | <b>Total</b>      |             |              | <b>6</b>           |

### **C2. Urban Land Use Planning of Haryana portion of Chandigarh Periphery Controlled area (Panchkula District)**

| <b>Sr. No.</b> | <b>Towns Maps</b>         | <b>Year</b> | <b>Scale</b>    | <b>No. Of maps</b> |
|----------------|---------------------------|-------------|-----------------|--------------------|
| <b>1</b>       | Land use/Land cover map   | 2002        | 1:12 500        | 8                  |
| <b>2</b>       | Hydrogeomorphological map | 2002        | <b>1:12 500</b> | <b>8</b>           |
| <b>3</b>       | Soil Texture map          | <b>2002</b> | <b>1:12 500</b> | <b>8</b>           |
|                | <b>Total</b>              |             |                 | 24                 |

### **O1. Hisar town and its Environs**

|   |  |      |          |   |
|---|--|------|----------|---|
| 1 | Land use \ Land Cover map, Hisar town and its Environs                                 | 2000 | 1:50,000 | 1 |
| 2 | Mapping and Monitoring of Urban Land use of Hisar using aerial photographs and TM data | 1989 | 1:50,000 | 1 |
| 3 | Proposed Residential Sites, Hisar town and its Environs                                | 2000 | 1:50,000 | 1 |
| 4 | Proposed Thermal power plant near  | 2    | 1:50,000 | 1 |

|  |       |     |  |   |
|--|-------|-----|--|---|
|  | Hisar | 000 |  |   |
|  | Total |     |  | 4 |

## 02. Watershed Mapping

|   |  |      |                 |          |
|---|--|------|-----------------|----------|
| 1 | Mahendragarh District                                  | 1992 | 1:50,000        | 6        |
| 2 | Vegetation cover of Mandkali and Somb watershed Area   | 1999 | <b>1:50,000</b> | <b>2</b> |
| 3 | Sirsa Subwatershed area and Boli Yamuna watershed Area | 1999 | <b>1:50,000</b> | <b>2</b> |
|   | <b>Total</b>   |      |                 | 10       |

## 03. Mapping and Monitoring of Forest Cover in Aravalli Hills.

|   |   |          |                 |           |
|---|---|----------|-----------------|-----------|
| 1 | <b>Forest Cover-1997, Aravalli Project area.</b><br>(Nizampur, Nuh, Nangal Chaudhary, Punhana, Rewari, Narnaul, Mahendragarh, Sohna, Gurgaon, Dadri, Raipur, Tosham, Ballabgarh, Firozpur Jhirka and Khol Subdivisions)           | 1<br>997 | 1:50,000        | 15        |
| 2 | <b>Forest Cover in Aravalli Project area Haryana-1990.</b><br>(Nizampur, Nuh, Nangal Chaudhary, Punhana, Rewari, Narnaul, Mahendragarh, Sohna, Gurgaon, Dadri, Raipur, Tosham, Ballabgarh, Firozpur Jhirka and Khol Subdivisions) | 1<br>990 | <b>1:50,000</b> | <b>15</b> |
| 3 | <b>Forest Cover in Aravalli Project area Haryana-1990 (Base Map Only)</b>   | 1<br>990 | <b>1:50,000</b> | <b>22</b> |
| 4 | <b>Forest Map of Aravalli Hills</b>   | 1<br>990 | <b>1:50,000</b> | <b>18</b> |
|   | <b>Total</b>  |          |                 | 70        |

### TOPOGRAPHICAL MAPS (UNRESTRICTED HARDCOPY)

Topographical maps (Hardcopy) printed and published by Survey of India, Dehradun are available on various scales i.e. 1:50,000, 1:2,50,000 covering entire Haryana.

Topographical maps on 1:25,000 scales are also available for the selected area of Haryana as these topographical maps were neither published nor available for entire Haryana State.

HARSAC has purchased these Topographical maps from Survey of India, Dehradun time to time for official use.

### 3. COMPUTERS:

| <b>Computer System</b>           |  | <b>No.</b> |
|----------------------------------|--|------------|
| Jan 2008                         | Intel Core™ 2 Duo CPU E 6750, @ 2.66 GHz, 2.0 GB, RAM, 128 MB Display Card, 19" LCD Monitor, Windows XP Professional | 24         |
| 01.09.04                         | Acer Verttron 6700G, P-4, 533 MHz, 512 MB RAM 2x80GB HDD, CD ROM, Window 2000 Prof.                                  | 17         |
| 14.05.02                         | HCL 1400 Workstation Intel Pentium 4, 1.4GHz, 256 MB RAM, 21" Color Monitor  | 2          |
| 31.05.07                         | HCL, P-4, 256 RAM, 80 GB HD, 15" Monitor   | 1          |
| 01.09.04                         | Intel Xeon Data Base Server CPU 2.0 MHz, 4 GB RAM, 5x35 HDD, 21" Monitor   | 1          |
| 01.09.04                         | Intel Xeon Data Base Server CPU 2.0 MHz, 4 GB RAM, 5x36 HDD, 21" Monitor   | 1          |
| 16.01.01                         | HP Visualize B200 Workstation 400 MHz, 512 RAM, 21" Color Monitor PH Ux 11.0 OS                                      | 2          |
| <b>Laptop</b>                    |  |            |
| 02.06.04                         | Laptop IMB ThinkPad, 1.4 GHz, 256 RAM, 40GB HDD,   | 1          |
| 21.05.07                         | Laptop H.P. Compaq nc 8930, Core 2 Duo T7200 processor, 2.0 MHz, 512 MB RAM, 80 GM HDD                               | 1          |
| <b>GPS</b>                       |  |            |
| 29.01.07                         | GPS Garmin 76CSX   | 3          |
|                                  | GPS with Palm Top Computer   | 1          |
| <b>Scanner</b>                   |  |            |
| Dec2007                          | HP Design jet 4500 Scanner with touch screen A0 Size   | 1          |
| Dec2007                          | HP Desk jet F4185  | 1          |
| 14.04.90                         | HP Scanjet 6200 C A4 size  | 1          |
| <b>Projector</b>                 |  |            |
| 03.12.03                         | LCD Projector  | 1          |
| <b>Printer &amp; Plotter</b>     |  |            |
| 14.05.02                         | HP Design jet 500 PS plotter   | 2          |
| 01.09.04                         | HP Design jet 800 PS plotter A0 Size   | 1          |
| 27/07/00                         | HP Desk jet 930 C Printer  | 1          |
| 3/3/98                           | HP 4000 Laser Jet Printer  | 1          |
| 05.08.04                         | Inkjet Printer HP 3420   | 1          |
| <b>UPS</b>                       |  |            |
| Oct 2007                         | UPS 600 V.A.   | 9          |
| <b>GIS Software</b>              |  |            |
| Nov 2008                         | AutoCAD Civil 3D 2008  | 1          |
| Oct 2008                         | Maninfo Professional   | 1          |
| 28.03.07                         | ARC Info Software License  | 12         |
| 28.03.07                         | ARCINFO 9.1 Ver  | 1          |
| 28.03.01                         | ARC SDE 8.3 Ver.   | 1          |
|                                  | ARC View 3.2   | 1          |
| <b>Image Processing Software</b> |  |            |
| 22.02.02                         | Geomatica 10.V   | 3          |
| 21.12.02                         | ERDAS Imagine Prof. 8.4  | 3          |
| <b>Other Software</b>            |  |            |
| 07.08.07                         | M.S.Office 2007 Prof.  | 10         |
| 27/07/00                         | MS officer 2000 Premium  | 1          |
| 01.09.04                         | Citrix Meta Frame X V. 1.0   | 1          |
| 01.09.04                         | Oracle Data Base   | 1          |

| <b>Old Computer System</b> |  |             |
|----------------------------|--|-------------|
| 1998                       | SGI Indy Computer Unix system<br>R5000 CPU, 32 MB RAM, 4 GB HARD Disk, 1.44 MB FDD, CD ROM, 4 MM DAT Drive, 20" Color Monitor.     | 2           |
| 1990                       | <b>ISROVISION SYSTEM</b><br>PC- AT 386 machine 8 MB RAM, 80387 , 20 MH2 Co-Processor, EGA, Monitor 14" Conar Monitor 21"           | 2           |
| 1990                       | PC-286 (12.5 MHz) With 1 MB RAM, Monitor 14"   | 1           |
| 1994                       | Tata Unisys System (Middle Level Image Processing system)<br>Monitor VDUS (VT 200) with<br>PC-AT 386, 19" Color Monitor            | 1<br>4<br>1 |
| 1992                       | PCAT-286, 16MHz, 1 MB RAM, 1.2 FDD, 40MB HD, Key Board, 14"Monitor,  | 1           |
| 1995                       | PC- 80386<br>CPU 20/25 MHz 80387 X Coproceesor 4 MB RAM,1.2 MB Floppy Drive,100 MB HardDisk<br>One 14' VGA Color monitor with card | 1           |
| 1998                       | IMB MPro Intellistation, P-II 266, 512 Kb cache<br>64 MB RAM, 2x4.3 GB HDD, 16X CD ROM, 1.44 FDD, 20" Monitor. Data 4MM.           | 1           |
| 1998                       | IMB MPro Intellistation, P-II 266, 512 Kb cache<br>64 MB RAM, 1x4.3 GB HDD, 16X CD ROM, 1.44 FDD, 15" Monitor. Data 4MM.           | 1           |
| 1999                       | IBM PC-300GL, Pentium-II, 350MHz,64 MB RAM, 4.2. GB, 15" SVGA Monitor  | 1           |
| 2000                       | IBM PC-300GL, Pentium-III, 600MHz,256 MB, 10.1 GB, 17" SVGA  | 1           |
| 2000                       | IBM PC-300GL, Pentium-III, 600MHz,128 MB, 10.1 GB, 15" SVGA  | 1           |
| 2000                       | Celeron IBM PC-300GL, 533MHz,64 MB, 10.1 GB, 15" SVGA  | 2           |
| 2000                       | Celeron IBM PC-300GL, 533MHz,64 MB, 10.1 GB, 14" SVGA Monitor  | 2           |
| 2001                       | Celeron IBM PC-300GL, 533MHz,64 MB, 10.1 GB, 14" SVGA Monitor  | 1           |
| 2001                       | Celeron IBM PC-300GL, 466,64 MB, 10.1 GB, 14" SVGA Monitor   | 2           |
| <b>Tape Driver</b>         |  |             |
| 1990                       | Steamer Tape Drive   | 1           |
| 1990                       | Frame Grabber camera   | 1           |
| <b>Digitizer</b>           |  |             |
| 1992                       | Sumar GarphicsA0 Size Digitizer  | 1           |
| <b>Dunn Camera</b>         |  |             |
| 1992                       | Dunn Camera  | 1           |
| <b>Dot matrix Printer</b>  |  |             |
| 1990                       | Fujitus Color Printer (132 column)   | 2           |
| 1992                       | TVSE 80 Column Printer   | 1           |
| 1990                       | Plotter DMP-62 (Digital) A0 Size   | 1           |
| 1998                       | Cal comp Color Plotter A0 Size   | 1           |
| 1998                       | Epson Stylus 1520 inkjet Printer   | 1           |
| 1999                       | HP Laser jet 6L gold   | 4           |

#### 4. SECRET AERIAL PHOTOGRAPHS:

Black and white contact prints of aerial photographs:

|                   |                           |
|-------------------|---------------------------|
| On 1:50,000 scale | : 2523 photographs        |
| On 1:10,000 scale | : 1122 photographs        |
| Total             | : <u>3645 photographs</u> |

All black and white contact prints

Index maps on 1:250,000 scale : 5 maps

#### 5. RESTRICTED TOPOSHEETS

Total number of restricted Survey of India Toposheets : 18

On 1:250,000 scale: 2 numbers published – 1975

On 1:50,000 scale : 16 numbers

(2 sheets, Publication Year 1968)  
(2 sheets, Publication Year 1969)  
(6 sheets, Publication Year 1975)  
(6 sheets, Publication Year 1976)

#### 6. EQUIPMENT

| Sr. No. | Name of equipment                              |
|---------|--|
| 1       | B2 Enlarger                                    |
| 2       | Optical Reflecting Projector                   |
| 3       | Digital Conductivity Meter                     |
| 4       | Digital Planimeter                             |
| 5       | Ground Truth Radiometer                        |
| 6       | Mirror Stereoscope                             |
| 7       | Over Head Projectors                           |
| 8       | Optical Pantograph                             |
| 9       | Optical Zoom Transfer scope                    |
| 10      | Procom-2                                       |
| 11      | Pocket Stereoscope                             |
| 12      | Light Tables                                   |
| 13      | Slide Projector                                |
| 14      | Dynascan Magnifiers                            |
| 15      | Illuminated Magnifiers                         |
| 16      | Mini PH Meters                                 |
| 17      | Water Level Recorder(Electronic) With Printer) |
| 18      | Binocular(Zenith)                              |
| 19      | 1.2 Mtr KU band Vsat(in Eduset Room)           |

4(1) (b)(vii) Governing Body, General Body and Advisory Committee of HARSAC which are responsible for the formulation of its policies and implementation thereof, consists of officials from various user departments and experts from state/ national institutions. Assistant State Public Information Officer, Department of Science and Technology, Haryana is the authorized officer to provide any information pertaining to HARSAC under Right of Information Act.

4(1) (b)(viii) The constitution of the Governing Body, General Body and Advisory Committee are available in the Memorandum of Association and Article of Association of HARSAC [(page no. 38 (Governing Body), (General Body comprises members of Governing Body and Advisory Committee - page no. 39) and page no. 40 (Advisory Committee)]. Neither meetings are opened to public nor their minutes accessible for public.

4(1) (b) (ix)

| Sr. No           | Name               | Designation   | Date of joining | Pay scale (Rs.) | Address   | Telephone No.              |
|------------------|--------------------|---|-----------------|-----------------|---|----------------------------|
| <b>TECHNICAL</b> |                    |   |                 |                 |   |                            |
| 1.               | Dr. R.S.Hooda      | Chief Scientist                                       | 21.09.1988      | 18400-22400     | # 9/54, New Campus, CCSHAU, Hisar.                              | 9416380644<br>01662-232456 |
| 2.               | Dr.K.E.Mothi Kumar | Senior Scientist (Forestry/ Ecology) SG               | 08.05.1990      | 12000-16500     | # 10/55, New Campus, CCSHAU, Hisar.                             | 9416288045                 |
| 3.               | Dr.V.S.Arya        | Senior Scientist (Soil Survey and Land Evaluation) SG | 07.05.1992      | 12000-16500     | 1400, Urban Estate-II, Hisar.                                   | 9466730800                 |
| 4.               | Mr.T.P.Babu        | Senior Scientist (Agriculture/ Landuse) SG            | 07.12.1992      | 12000-16500     | 1192, 1192-A, 1193-A, Housing Board Colony, Sector 15-A, Hisar. | 9315334848                 |
| 5.               | Dr.Sultan Singh    | Assistant Scientist (Urban and Regional Planning)     | 30.09.1998      | 8000-13500      | 174, Lajpat Nagar, Hisar.                                       | 9416243824                 |
| 6.               | Dr.Manoj Yadav     | Assistant Scientist (Agriculture)                     | 02.07.1990      | 8000-13500      | 149, Defence Colony, Hisar.                                     | 9416245078<br>01662-227265 |
| 7.               | Mr.Ajeet Singh     | Assistant Scientist (NRDMS)                           | 06.07.1990      | 8000-13500      | 34-E, Saket Extension, Gangwa Road, Hisar.                      | 9466556720<br>01662-253496 |
| 8.               | Dr. Sandeep Arya   | Assistant Scientist (Forestry)                        | 07.09.2007      | 8000-13500      | 14, B & R Colony, Sector 15-A, Hisar.                           | 9416270789<br>01662-237727 |
| 9.               | Dr. Anup Kumar     | Assistant Scientist (Geology/ Geophysics)             | 27.09.2007      | 8000-13500      | 720, Sector 15-A, Near Blooming Dales School, Hisar.            | 9991761133                 |
| 10.              | Mr.M.P.Sharma      | Assistant Scientist (Geoinformatics)                  | 07.08.1990      | 8000-13500      | 1110, Housing Board Colony, Sector 15-A, Hisar.                 | 9416336346<br>01662-244408 |
| 11.              | Mr.S.S.Khatri      | Senior Scientific Assistant (Soil Laboratory)         | 07.09.1993      | 5500-9000       | C 14, Rental Colony, Hisar.                                     | 9416028619                 |
| 12.              | Mr.Ravindra        | Senior  | 06.10.19        | 5500-9000       | 1057, Housing   | 9813023833                 |

|     |                  |  |            |           |   |            |
|-----|------------------|--|------------|-----------|---|------------|
|     | Prawasi          | Scientific Assistant (NRDMS)                 | 98         |           | Board Sector 15-A, Hisar.               |            |
| 13. | Mr. Jogender     | Senior Scientific Assistant (Geoinformatics) | 06.09.2007 | 5500-9000 | 495, P.L.A., Hisar.                     | 9416363276 |
| 14. | Mr. Ankur Sharma | Senior Scientific Assistant (Geoinformatics) | 06.09.2007 | 5500-9000 | 330, Defence Colony, Hisar.             | 9416015080 |
| 15. | Mr. Om Pal       | Senior Scientific Assistant (Microwave)      | 13.09.2007 | 5500-9000 | 1161, Housing Board Sector 15-A, Hisar. | 9813680677 |

| Sr. No.              | Name                   | Designation                                  | Date of joining            | Pay scale (Rs.) | Address  | Telephone No.              |
|----------------------|------------------------|--|----------------------------|-----------------|--|----------------------------|
| 16.                  | Ms. Nidhi              | Senior Scientific Assistant (Geoinformatics) | 19.09.2007                 | 5500-9000       | 518, Sector 15-A, Hisar.                                       | 9466641721<br>01662-243915 |
| 17.                  | Mr. S.N. Nandy         | Senior Scientific Assistant (Geoinformatics) | 08.04.2008                 | 5500-9000       | 246, Defence Colony, Hisar.                                    | 9812384070                 |
| 18.                  | Mr.Nand Lal            | Technical Assistant (Computer Applications)  | 02.05.1992                 | 5450-800        | 83, D.C. Colony, Hisar.  | 9416101183<br>9416284440   |
| 19.                  | Mr.Umesh Kumar         | Technical Assistant (Computer Applications)  | 08.08.1995                 | 5450-800        | 871, Sector 15-A, Near Sapra Hospital, Hisar.                  | 9466479239                 |
| 20.                  | Mr.D.N.Prasad          | Technical Assistant (NRDMS)                  | 24.01.1997                 | 5450-800        | 403, Defence Colony, Hisar.                                    | 9996151712                 |
| 21.                  | Mr.Subhash Chander     | A.C.Mechanic                                 | 18.07.1994                 | 5000-7850       | 6, Balsamand Road, Hisar.                                      | 9416593461                 |
| 22.                  | Mr.Ramesh Kumar        | Electrician                                  | 15.03.1995                 | 5000-7850       | D-60, Model Town Extension, Hisar.                             | 01662-265281               |
| <b>NON-TECHNICAL</b> |                        |  |                            |                 |  |                            |
| 1.                   | Mr.Anurag Vardhan      | Senior Administrative Officer                | 02.11.1987                 | 10000-13900     | 35, Agarsain Colony (Extension), Hisar.                        | 01662-270274               |
| 2.                   | Mr.Vinod Kumar Kaushik | Accounts Officer                             | 09.08.2007 (On deputation) | 6500-10500      | 398, Urban Estate-II, Hisar.                                   | 9416235174                 |
| 3.                   | Mr.C.J.Chhabra         | Personal Assistant                           | 21.06.1991                 | 6500-9900       | 234, P.L.A., Hisar.  | 9215300934                 |
| 4.                   | Ms.Abha Sharma         | Librarian                                    | 12.06.1995                 | 6500-9900       | 178-A, Friends Colony, Hisar.                                  | -                          |
| 5.                   | Mr.T.R.Sehgal          | Sr. Scale Stenographer                       | 14.07.1993                 | 5450-8000       | 385, Old P.L.A., Hisar.  | 9416674477                 |
| 6.                   | Mr.Shakti Nandan       | Driver                                       | 19.01.1989                 | 5000-7850       | 138, Gali No. 6, Jawahar Nagar, Hisar.                         | 9416027495                 |
| 7.                   | Mr.Pritam Singh        | Driver                                       | 23.07.1990                 | 5000-7850       | H.No.11/88, Gali Number 11, Jawahar Nagar, Hisar.              | 9466535006                 |
| 8.                   | Mr. Dhan Raj           | Driver (NRDMS)                               | 21.01.1997                 | 5000-7850       | Chandigarh.  | -                          |
| 9.                   | Ms.Prem Lata           | Clerk-cum-Typist                             | 22.06.1990                 | 4000-6000       | 12, Near Shiv Mandir, Jindal Hospital Road, Model Town, Hisar. | 9255177133                 |
| 10.                  | Mr.Baljeet             | Clerk-cum-Typist                             | 02.07.1992                 | 4000-6000       | 1025-A, Housing Board Colony, Sector 15-A, Hisar.              | 9896761248                 |
| 11.                  | Mr.Jagdish Rai         | Office Attendant                             | 18.10.1988                 | 2650-4000       | Behind Leading Senior Secondary School, Azad Nagar, Hisar.     | 9416028814                 |
| 12.                  | Mr.Jangbir Singh       | Office Attendant                             | 27.12.1988                 | 2650-4000       | Behind Leading Senior Secondary School, Azad Nagar, Hisar.     |                            |
| 13.                  | Mr.Ishwar Singh-I      | Office Attendant                             | 26.06.1990                 | 2650-4000       | 124, Nand Vihar Colony, Azad Nagar, Hisar.                     | 9416780412                 |
| 14.                  | Mr.Dharam Pal          | Chowkidar                                    | 01.01.1993                 | 2650-4000       | 686, Geeta Colony, Near  | 01662-253640               |

|     |                       |                     |                |           |  |                  |
|-----|-----------------------|---------------------|----------------|-----------|--|------------------|
|     |                       |                     |                |           | Holy Mind<br>School, Azad<br>Nagar, Hisar.   |                  |
| 15. | Mr.Uday Pal           | Office<br>Attendant | 01.01.19<br>93 | 2650-4000 | 12, Shastri<br>Nagar, Gangwa<br>Road, Hisar. | -                |
| 16. | Mr.Ishwar<br>Singh-II | Office<br>Attendant | 22.01.19<br>93 | 2650-4000 | F-46, Mini<br>Secretariat<br>Colony, Hisar.  | 9812567164       |
| 17. | Mr.Jaibir<br>Singh    | Sweeper             | 22.01.19<br>93 | 2650-4000 | 72, Mini<br>Secretariat<br>Colony, Hisar.    | 01662-<br>253367 |
| 18. | Mr.Mahender<br>Kumar  | Gardener            | 05.10.19<br>93 | 2650-4000 | 73, Shastri<br>Nagar, Hisar.                 | 946656136        |

| <b>Sr. No</b> | <b>Name</b>     | <b>Designation</b>    | <b>Date of joining</b> | <b>Pay scale (Rs.)</b> | <b>Address</b>   | <b>Telephone No.</b> |
|---------------|-----------------|-----------------------|------------------------|------------------------|--|----------------------|
| 19.           | Mr.Pratap Singh | Office Attendant      | 12.11.1993             | 2650-4000              | 178, Lajpat Nagar, Hisar.                                    | 9813951221           |
| 20.           | Mr.Dhan Singh   | Chowkidar             | 11.10.1993             | 2550-3200              |  |                      |
| 21.           | Mr.Tilak Raj    | Sweeper-cum-Chowkidar | 24.02.1997             | 2650-4000              | 279, Thandi Sarak, Hisar.                                    | 9315116709           |
| 22.           | Mr. Sher Singh  | Helper (NRDMS)        | 16.01.1997             | 2650-4000              | Chandigarh.  | -                    |
| 23.           | Mr.Kamal Singh  | Chowkidar             | 09.07.2004             | 2550-3200              | 228, Gali No.11, Near Hari Har Mandir, Jawahar Nagar, Hisar. | 9896842444           |

|   |  |  |  |
|---|--|--|--|
| <p>Para No.<br/>Description<br/>Budget<br/>Allocated<br/>for the<br/>year<br/>2007-08<br/>Expenditure<br/>up-to<br/>31.10.200<br/>7</p> <p>4(1)(b) (x)<br/>The<br/>monthly<br/>remuneration<br/>received<br/>by each of<br/>its officers<br/>and<br/>employees,<br/>including<br/>the<br/>system of<br/>compensation<br/>as<br/>provided<br/>in its<br/>regulations.<br/>NA<br/>NA</p> <p>4(1)(b) (xi)<br/>The<br/>budget<br/>allocated<br/>to each of<br/>its<br/>agency,<br/>indicating<br/>the<br/>particulars<br/>of all<br/>plans,<br/>proposed<br/>expenditure<br/>and<br/>reports on<br/>disbursements<br/>made<br/>90,00,000<br/>63,46,973</p> <p>4(1)(b)<br/>(xii)<br/>The<br/>manner of<br/>execution<br/>of subsidy<br/>programmes</p> |  |  |  |
|---|--|--|--|

4(1)(b) (xiv) Website is in the process of construction and soon it will functional and display all the relevant information of HARSAC.

4(1)(b) (xv) The maps and reports prepared by HARSAC under different projects are available on payment of nominal charges. Library of HARSAC is meant for its staff and not for public use.

4(1)(b) (xvi)

|  |   |
|--|---|
| State Assistant Public Information Officer | Senior Administrative Officer, HARSAC, CCSHAU Campus, Hisar-125004.<br>Phone No.01662-231047  |
| State Public Information Officer           | Chief Scientist, HARSAC, CCSHAU Campus, Hisar-125004.<br>Phone No. 01662-232632 (O,) 01662-232456 (R)<br>TeleFAX: 01662-225958<br>Email: <a href="mailto:hoodars@yahoo.com">hoodars@yahoo.com</a> |
| 1 <sup>st</sup> Appellate Authority        | Director, HARSAC, SCO No.24, Sector 26, Chandigarh.<br>Phone No.0172-2791630 (O), 0172-2707610 (R)<br>FAX: 0172-2791464   |

4(1)(b) (xvii) None.