

# **CITY DEVELOPMENT PLAN**

**Bhanpura, District Mandasaur**

**Madhya Pradesh**

## **City Development Plan**

*2013*

Submitted To:



**Urban Administration & Development Department  
Government of Madhya Pradesh**

Project Coordination:



**City Managers' Association Madhya Pradesh  
(CMAMP)**

Submitted By:

**Urban Management Centre (UMC)**



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**—कार्यालय नगर परिषद भानपुरा जिला मंडसौर (म.प्र.)—**

क्रं./ 548 /न.प./ 2013  
प्रति

भानपुरा,दिनांक— 02/9/2013


यू.एम.सी.  
कन्सलटेन्ट ऐजेंसी.  
अहमदाबाद

विषय :-

सी.डी.पी. का अनुमोदन करवाने बाबत् ।

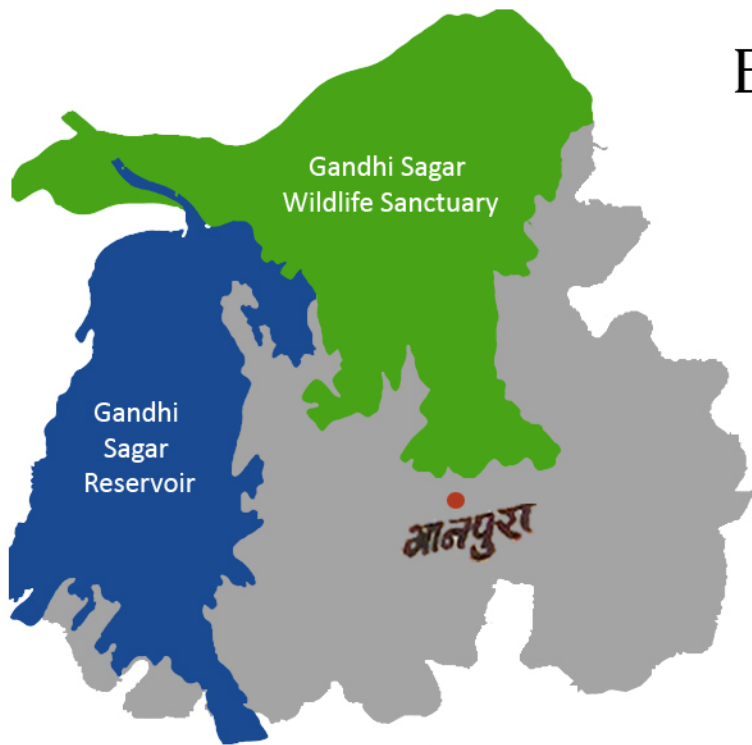
विषयांकित लेख है कि— आपके द्वारा नगर विकास हेतु सीटी डेवलपमेन्ट प्लान बनाया गया है । जिसका निकाय द्वारा परिषद प्रस्ताव क्रमांक 190 दिनांक 08.08.2013 से अनुमोदन किया गया है । प्रस्ताव की सत्य प्रतिलिपि संलग्न है ।

अतः जानकारी सूचनार्थ प्रेषित् ।

  
मुख्य नगरपालिका अधिकारी  
नगर परिषद भानपुरा.

*Bhanpura, founded by Bhana Bhils has evolved into a historic city with potential in tourism due to the presence of built and natural heritage in and around the city. Bhanpura is the gateway to Gandhi Sagar Dam, Reservoir and Gandhi Sagar Wildlife Sanctuary. The sanctuary is dotted with numerous pre-historic archaeological rock paintings as well as architectural marvels.*

*The city houses the Chhatri of Yeshwant Rao Holkar's final resting place.*



## Bhanpura



# City Profile

|   |   |                                  |   |   |
|---|---|----------------------------------|---|---|
| <b>Company Name</b>   |   | Urban Management Centre          |   |   |
| <b>ULB Name</b>   |   | Bhanpura Nagar Parishad          |   |   |
| <b>Whether the Sectoral Analysis report is as per UADD requisites</b> |   | Yes                              |   |   |
| <b>Town Brief</b>   | <b>Geographical location (Town)</b>                         | <b>Latitude</b>                  | 24 <sup>0</sup> 52' N   |   |
|   |   | <b>Longitude</b>                 | 75 <sup>0</sup> 73' E   |   |
|   | <b>Average rainfall (annual)</b>                            | <b>MM</b>                        | 670   |   |
|   | <b>Height above mean sea level</b>                          | <b>Mts</b>                       | 384   |   |
|   | <b>Municipal area (1991)</b>                                | <b>Sq kms</b>                    | -   |   |
|   | <b>Municipal area (2001)</b>                                | <b>Sq kms</b>                    | 0.79  |   |
|   | <b>Municipal area (2011)</b>                                | <b>Sq kms</b>                    | 8.34  |   |
|   | <b>Date of Constitution of ULB</b>                          | <b>Date</b>                      | 1914  |   |
|   | <b>Historic importance</b>                                  | <b>In one or two sentences</b>   | Named after King Bhaman, by his son King Nannap; earlier known as Bhamanpura. Later on, it was the administrative division of Yashwantrao Holkar. |   |
| <b>Population</b>   | <b>Population Year 1981 (under Municipal boundary only)</b> | <b>Town level</b>                | 13,349  |   |
|   | <b>Population Year 1991 (under Municipal boundary only)</b> |                                  | 14,930  |   |
|   | <b>Population Year 2001 (under Municipal boundary only)</b> |                                  | 16,494  |   |
|   | <b>Population Year 2011 (under Municipal boundary only)</b> |                                  | 21,000  |   |
|   | <b>Name of Population projection Method</b>                 |                                  | Geometric Progression Method  |   |
|   | <b>Projected population adopted Year 2016</b>               |                                  | 23,766  |   |
|   | <b>Projected population adopted Year 2026</b>               |                                  | 28,375  |   |
|   | <b>Projected population adopted Year 2036</b>               |                                  | 33,879  |   |
| <b>Land Use</b>   | <b>Land Use</b>   | <b>% Standard (as per UDPFI)</b> | <b>Land use (Tentative in Sq kms )</b>  | <b>Land use (Tentative in percentage)</b> |
|   | Agriculture   |                                  | 5.43  | 64.29                                     |
|   | Commercial  |                                  | 0.04  | 0.51                                      |
|   | Heritage  |                                  | 0.02  | 0.22                                      |
|   | Industrial  |                                  | 0.02  | 0.28                                      |
|   | Mixed Use   |                                  | 0.02  | 0.22                                      |
|   | Public Utility  |                                  | 0.18  | 2.14                                      |
|   | Residential   |                                  | 0.95  | 11.2                                      |
|   | Recreational  |                                  | 0.02  | 0.26                                      |
|   | Transportation  |                                  | 0.34  | 4.01                                      |
|   | Slum  |                                  | 0.02  | 0.25                                      |
|   | Vacant land   |                                  | 0.28  | 3.35                                      |
|   | Waste Land  |                                  | 0.59  | 6.99                                      |
|   | Water-body  |                                  | 0.53  | 6.27                                      |
| <b>Total</b>  |   |                                  | <b>8.45</b>   | <b>100.00</b>                             |

## City Profile (Ward Wise)

| Ward #   | Ward 1                              | Ward 2                    | Ward 3                    | Ward 4                    | Ward 5                    | Ward 6                    | Ward 7                    | Ward 8                    | Ward 9                         | Ward 10                    | Ward 11                   | Ward 12                      | Ward 13                    | Ward 14                   | Ward 15                   | Total                     |
|--|-------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------------|----------------------------|---------------------------|------------------------------|----------------------------|---------------------------|---------------------------|---------------------------|
| <b>Name of ward</b>                                    | जयप्रकाश नारायण वार्ड               | गुरु गोविन्द सिंह वार्ड   | लोकमान्य तिलक वार्ड       | चन्द्रशेखर आजाद वार्ड     | महात्मा गांधी वार्ड       | सरदार पटेल वार्ड          | डॉ. अम्बेडकर वार्ड        | सरदार भगतसिंह वार्ड       | डॉ. श्यामाप्रसाद मुखर्जी वार्ड | पं. दीनदयाल उपाध्याय वार्ड | मदनमोहन मालवीय वार्ड      | सुख सम्प्रतिराय भंडारी वार्ड | नेताजी सुभाषचंद्रबोस वार्ड | इंदिरा गांधी वार्ड        | राजीव गांधी वार्ड         |                           |
| <b>Ward Population (2011)</b>                          | 1971                                | 1887                      | 1453                      | 974                       | 917                       | 1309                      | 1044                      | 1613                      | 2000                           | 1235                       | 928                       | 1075                         | 1456                       | 1357                      | 1781                      | 21,000                    |
| <b>Area (sq kms)</b>                                   | 0.95                                | 1.65                      | 0.05                      | 0.03                      | 0.03                      | 0.1                       | 0.08                      | 2.79                      | 1.45                           | 0.07                       | 0.05                      | 0.08                         | 0.05                       | 0.16                      | 0.8                       | 8.340                     |
| <b>Density (PPSqkm)</b>                                | 2075                                | 1144                      | 29060                     | 32467                     | 30567                     | 13090                     | 13050                     | 578                       | 1379                           | 17643                      | 18560                     | 13438                        | 29120                      | 8481                      | 2226                      | 2,518                     |
| <b>Male</b>  | 1015                                | 930                       | 724                       | 491                       | 471                       | 663                       | 519                       | 849                       | 1030                           | 636                        | 329                       | 550                          | 745                        | 669                       | 887                       | 10,508                    |
| <b>Female</b>  | 956                                 | 957                       | 729                       | 483                       | 446                       | 646                       | 525                       | 764                       | 970                            | 599                        | 305                       | 525                          | 711                        | 688                       | 894                       | 10,198                    |
| <b>SC</b>  | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | -                         |
| <b>ST</b>  | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | -                         |
| <b>BPL</b>   | 60                                  | 30                        | 76                        | 56                        | 62                        | 72                        | 39                        | 140                       | 230                            | 101                        | 42                        | 46                           | 54                         | 89                        | 158                       | 1,255                     |
| <b>Sex ratio</b>                                       | 942                                 | 1029                      | 1007                      | 984                       | 947                       | 974                       | 1012                      | 900                       | 942                            | 942                        | 927                       | 955                          | 954                        | 1028                      | 1008                      | 970                       |
| <b>Literacy rate (%)</b>                               | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | 81                        |
| <b>No. of Primary schools</b>                          | 1                                   | 2                         |                           |                           |                           |                           |                           | 3                         |                                |                            | 1                         | 1                            |                            | 1                         |                           | 8                         |
| <b>No. of Primary Health Centre</b>                    | 1                                   | 0                         | 0                         | 0                         | 0                         | 0                         | 0                         | 0                         | 0                              | 0                          | 0                         | 0                            | 0                          | 0                         | 0                         | 1                         |
| <b>No. of Households</b>                               | 442                                 | 371                       | 292                       | 178                       | 176                       | 225                       | 183                       | 296                       | 426                            | 264                        | 131                       | 222                          | 268                        | 271                       | 354                       | 4,099                     |
| <b>Primary occupation (Majority)</b>                   | Agriculture                         | Agriculture               | Agriculture               | Commercial establishments | Commercial establishments | Agriculture               | Commercial establishments | Agriculture               | Agriculture                    | Commercial establishments  | Commercial establishments | Commercial establishments    | Agriculture                | Agriculture               | Agriculture               | Agriculture               |
| <b>Secondary occupation</b>                            | Commercial establishments           | Commercial establishments | Commercial establishments | Agriculture               | Agriculture               | Commercial establishments | Agriculture               | Commercial establishments | Commercial establishments      | Agriculture                | Agriculture               | Agriculture                  | Commercial establishments  | Commercial establishments | Commercial establishments | Commercial establishments |
| <b>Tertiary occupation</b>                             | Cottage industry                    | Cottage industry          | Cottage industry          | Cottage industry          | Cottage industry          | Cottage industry          | Cottage industry          | Cottage industry          | Cottage industry               | Cottage industry           | Cottage industry          | Cottage industry             | Cottage industry           | Cottage industry          | Cottage industry          | Cottage industry          |
| <b>No. of SS/LS industrial units</b>                   | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | -                         |
| <b>No. of Commercial establishments</b>                | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | 800                       |
| <b>No. of Slum pockets</b>                             | 0                                   | 0                         | 0                         | 0                         | 0                         | 1                         | 0                         | 1                         | 1                              | 0                          | 0                         | 0                            | 0                          | 0                         | 0                         | 3                         |
| <b>Slum population</b>                                 | 0                                   | 0                         | 0                         | 0                         | 0                         | 1275                      | 0                         | 1638                      | 2079                           | 0                          | 0                         | 0                            | 0                          | 0                         | 0                         | 4,992                     |
| <b>No. of Slum Households</b>                          | 0                                   | 0                         | 0                         | 0                         | 0                         | 220                       | 0                         | 282                       | 358                            | 0                          | 0                         | 0                            | 0                          | 0                         | 0                         | 861                       |
| <b>No. of Individual water connections in the ward</b> | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | 2,904                     |
| <b>No. of Community water connections</b>              | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | 115                       |
| <b>No. of Commercial water connections</b>             | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | 22                        |
| <b>No. of Tubewells</b>                                | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | 2                         |
| <b>No. of Handpumps</b>                                | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | 54                        |
| <b>No. of OHTs</b>                                     | 1                                   | 0                         | 0                         | 0                         | 0                         | 0                         | 0                         | 0                         | 0                              | 0                          | 0                         | 0                            | 0                          | 1                         | 0                         | 2                         |
| <b>% Coverage of piped water supply</b>                | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | 58%                       |
| <b>No. of Individual Toilets</b>                       | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | -                         |
| <b>No. of Individual Septic tanks</b>                  | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | -                         |
| <b>No. of Community Septic tanks</b>                   | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | -                         |
| <b>No. of Community toilets</b>                        | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | 69                        |
| <b>% of population - Open defecation</b>               | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | 35                        |
| <b>No. of Dust bins</b>                                | Release of Census 2011 data awaited |                           |                           |                           |                           |                           |                           |                           |                                |                            |                           |                              |                            |                           |                           | 37                        |

## City Profile (Ward Wise)

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|---|---|-------------------------|---------------------|-----------------------|---------------------|------------------|-------------------|---------------------|---|---------------------------|----------------------|------------------------------|----------------------------|--------------------|-------------------------|-----------|
| Name of ward  | जयप्रकाश नारायण वार्ड                                   | गुरु गोविन्द सिंह वार्ड | लोकमान्य तिलक वार्ड | चन्द्रशेखर आजाद वार्ड | महात्मा गांधी वार्ड | सरदार पटेल वार्ड | डॉ अम्बेडकर वार्ड | सरदार भगतसिंह वार्ड | डॉ.श्यामाप्रसाद मुखर्जी वार्ड                     | पं.दीनदयाल उपाध्याय वार्ड | मदनमोहन मालवीय वार्ड | सुख सम्प्रतिराय भंडारी वार्ड | नेताजी सुभाषचंद्रबोस वार्ड | इंदिरा गांधी वार्ड | राजीव गांधी वार्ड       |           |
| Wardwise Waste generated (Kgs)                            | 443   | 425                     | 327                 | 219                   | 206                 | 295              | 235               | 363                 | 450   | 278                       | 209                  | 242                          | 328                        | 305                | 401                     | 47,25,000 |
| Road sweeping (1 time or 2 times)                         | 1   | 1                       | 1                   | 1                     | 1                   | 1                | 1                 | 1                   | 1   | 1                         | 1                    | 1                            | 1                          | 1                  | 1                       | 15        |
| Total no. of sanitary workers in the ward                 | Primary Survey needs to be Conducted for Ward wise data |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | 65        |
| Length of Pucca road (Mts)                                | Primary Survey needs to be Conducted for Ward wise data |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | 9,759     |
| Length of Kuccha road (Mts)                               | Primary Survey needs to be Conducted for Ward wise data |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | 3,800     |
| Length of State Highway (Kms.)                            | Primary Survey needs to be Conducted for Ward wise data |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | 3.99      |
| Length of National Highway                                | National Highway does not pass through the city         |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | -         |
| Length of Road side drains Pucca (Mts)                    | Primary Survey needs to be Conducted                    |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | 4,059     |
| Length of Natural drains (Nallah) Pucca/Channelized (Mts) | Primary Survey needs to be Conducted                    |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | -         |
| Length of Natural drains (Nallah) Kuttcha (Mts)           | Primary Survey needs to be Conducted for Ward wise data |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | 4,640     |
| No. of Streetlights                                       | Primary Survey needs to be Conducted for Ward wise data |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | 3,800     |
| No. of Electricity connections                            | Primary Survey needs to be Conducted                    |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | -         |
| Name of Tourist site if any                               | -   | -                       | -                   | -                     | -                   | -                | -                 | -                   | Bada Mahadev                                      | -                         | -                    | Shankracharya's Math         | -                          | -                  | Holkar Chhatri & Museum | 3         |
| Name of Heritage site if any                              | -   | -                       | -                   | -                     | -                   | -                | -                 | -                   | Haveli & Ghat along Reva & opp. To Holkar Chhatri | -                         | -                    | -                            | -                          | -                  | Holkar Chhatri & Museum | 2         |
| Bus stop (No.)  | 1   | 0                       | 1                   | 0                     | 0                   | 0                | 0                 | 0                   | 0   | 0                         | 0                    | 0                            | 0                          | 0                  | 0                       | 2         |
| Bus stand(No.)  | 0   | 0                       | 1                   | 0                     | 0                   | 0                | 0                 | 0                   | 0   | 0                         | 0                    | 0                            | 0                          | 0                  | 0                       | 1         |
| Parks (No.)   | 0   | 0                       | 0                   | 0                     | 0                   | 0                | 0                 | 0                   | 0   | 0                         | 0                    | 0                            | 0                          | 1                  | 0                       | 1         |
| Playground(No.)   | 0   | 0                       | 0                   | 0                     | 0                   | 0                | 0                 | 0                   | 0   | 0                         | 0                    | 0                            | 0                          | 0                  | 0                       | 0         |
| No. of Residential properties                             | 395   | 352                     | 287                 | 146                   | 167                 | 183              | 175               | 290                 | 420   | 263                       | 131                  | 215                          | 261                        | 266                | 340                     | 3,891     |
| No. of Commercial properties                              | Primary Survey needs to be Conducted for Ward wise data |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | 800       |
| Total Property tax collection (in Rs.) upto feb. 2010     | Ward wise Data is not available with ULB                |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | 38,588    |
| Property tax coverage(in %)                               | 100%  | 100%                    | 100%                | 100%                  | 100%                | 100%             | 100%              | 100%                | 100%  | 100%                      | 100%                 | 100%                         | 100%                       | 100%               | 100%                    | 100%      |
| Available Government land (Sq kms)                        | Primary Survey needs to be Conducted for Ward wise data |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | -         |
| Remarks   |   |                         |                     |                       |                     |                  |                   |                     |   |                           |                      |                              |                            |                    |                         | 0         |

# Sectoral Analysis

|  |   | Existing Source   |          |  |
|--|---|---|----------|--|
|  |   | Source  | Tubewell | Well                                       |
| Water Supply   | No. of Tubewell / River / Well  | 0   | 0        | 1 River (Reva) and 1 Check dam (Indragarh) |
|  | Water Supplied by Tubewell / River / Well in MLD  | 0   | 0        | 0.9 from Reva and Indragarh                |
|  | Total water supply in the town (MLD)  | 0.9   |          |  |
|  | Existing Supply (LPCD) considering distribution losses  | 42.86   |          |  |
|  | Water Charges per household per month (Rs.) Flat/Metered  | Rs. 50 (Flat)   |          |  |
|  | % Coverage under paid water supply  | 67%   |          |  |
|  | Whether any treatment plant exists (Y/N),If yes mention capacity (MLD)                          | 2   |          |  |
|  | Proposed source (Surface)   | Indragarh Dam   |          |  |
|  | Total sewage generation (MLD)   | 0.72  |          |  |
| Sewerage   | Whether any treatment plant exists (Y/N),If yes mention capacity                                | No  |          |  |
|  | Total no. of individual septic tanks  | To be surveyed (estimated less than 100)  |          |  |
|  | Total no. of community septic tanks   | 0   |          |  |
|  | Total no. of Sewage/Mud pumps available with the ULB  | 0   |          |  |
|  | Frequency of Cleaning Individual Septic tanks   | 2 to 10 years   |          |  |
|  | Frequency of Cleaning Community Septic tanks  | NA  |          |  |
| Drainage   | Name of natural nallah (Storm water drain)  | None  |          |  |
|  | Length of natural nallah (Storm water drain) Kms  | None  |          |  |
|  | Ultimate disposal point of nallah   | NA  |          |  |
|  | Length of road side drain (Kms)   | 4.06  |          |  |
|  | Coverage of road side drainage w.r.t roads (%)  | 100   |          |  |
|  | Ultimate disposal point of Road side drains   | Downstream of Reva River and open lands outside the city along the natural northward gradient |          |  |
| SWM  | Any treatment plant/procedure adopted   | No  |          |  |
|  | Per capita Solid waste generation (Considering Standards) (in gms)                              | 225   |          |  |
|  | Total SW generation (in Tons)   | 4.73  |          |  |
|  | Frequency of SW collection by the ULB (1 time per day/2 times per day)                          | 1   |          |  |
|  | Collection efficiency of the ULB (%)  | 63  |          |  |
|  | Any initiative for DTDC (Yes /No)   | No  |          |  |
|  | Any initiative for scientific disposal of waste   | No  |          |  |
|  | Name of dumping/ landfill site  | Outskirts of the city at a distance of 2.5 kms.   |          |  |
|  | Is the existing site Dumping site or allotted site for Scientific disposal                      | Site allotted for processing and scientific disposal  |          |  |
|  | Area of allotted landfill site for Scientific disposal  | 1.45 Ha.  |          |  |
|  | Distance of the Dumping site/landfill site from main settlement area (Kms)                      | 2.5   |          |  |
|  | No. of Tractor trolleys/vehicles available with the ULB for carrying Solid waste to the LF site | 2 Trolleys  |          |  |
| If site for Scientific disposal is not allotted then whether formally requested by the ULB | -   |   |          |  |



# Sectoral Analysis

|                         |   |   |             |  |
|-------------------------|---|---|-------------|--|
| Physical Infrastructure | Roads   | Name of National Highway passing from or nearby from the town (NH-XYZ)                          |             | -  |
|                         |   | Distance of National Highway if nearby from the town (NH-XYZ) in Kms                            |             | -  |
|                         |   | Name of State Highway passing from or nearby from the town (SH-XYZ)                             |             | SH 31 A passes through the town              |
|                         |   | Distance of State Highway if nearby from the town (SH-XYZ) in Kms                               |             | -  |
|                         |   | Total length of Pucca roads (Kms)   | CC          | 6.75   |
|                         |   |   | WBM         | 3  |
|                         |   |   | Total (kms) | 9.75   |
|                         |   | Total length of Kuccha roads (kms)  | (kms)       | 3.8  |
|                         | Gap w.r.t Standards   | (kms)   | 42.75       |  |
|                         | Traffic & transportation                                      | Total no. of vehicles in the town   |             | DNA  |
|                         |   | Bus stand (yes/No)  |             | Yes  |
|                         |   | Any intracity mass transport mode (yes/no)  | No          | NA   |
|                         |   | Name of locations facing major traffic issues   | 1           | Along SH 31 from Bus Stand upto Dargah (with |
|                         |   |   | 2           | -  |
|                         | 3   |   | -           |  |
|                         | Name of the street beautified as per the instructions of UADD | -   | -           |  |
|                         | Street lighting   | Total no. of street lights  |             | 3800   |
|                         |   | No. of Streetlights under working condition   |             | 3765   |
|                         |   | No. of Streetlights having Tubes  |             | 3200   |
|                         |   | No. of Streetlights having CFL  |             | 565  |
|                         |   | No. of Streetlights having Incandescent bulbs   |             | -  |
|                         |   | No. of Streetlights having LED  |             | -  |
|                         |   | No. of Streetlights having LPS  |             | -  |
|                         | Power   | Location of Substation<br><a href="http://www.mptransco.nic.in">http://www.mptransco.nic.in</a> | 400 KV      | DNA  |
|                         |   |   | 220 KV      | DNA  |
|                         |   |   | 132 KV      | DNA  |
|                         |   | Total no. of residential connections  |             | DNA  |
|                         |   | Total no. of Commercial connections   |             | DNA  |
|                         |   | Any subsidy for BPL (Y/N)   |             | DNA  |
|                         |   | Duration of Electricity supply per day (in Hrs)   |             | 16 hrs (average)                             |

# Sectoral Analysis

| Sectoral Analysis                            |  |   |  |               |
|--|--|---|--|---------------|
| <b>Heritage &amp; tourism</b>                | <b>Heritage &amp; tourism</b>                                | <b>Name of Heritage site/s</b>                                      | Holkar Chhatri (Archaeological museum) ASI Protected |               |
|  |  | <b>Ownership/agency</b>   | Private owned  |               |
|  |  | <b>Prevailing Heritage Act/s</b>                                    | AMASR Act, 2010                                      |               |
|  |  | <b>Name of Tourist site/s</b>                                       | Holkar Chhatri                                       |               |
|  |  | <b>Ownership/agency</b>   | Private owned  |               |
|  | <b>Total no. of Pilgrims/ Tourists visiting town per day</b> |   | DNA  |               |
|  | <b>Environment</b>   | <b>Name of River/Lake/Forest range/Any specific species</b>         |  | Reva River    |
| <b>Prevailing Environmental Act/s</b>        |  | Environment Protection Act, 1986                                    |  |               |
| <b>Areas facing threats</b>                  |  |   |  |               |
| <b>Social Infrastructure</b>                 | <b>Health</b>  | <b>No. of Primary Health centres/Dispensary</b>                     |  | 1             |
|  |  | <b>No. of Hospitals</b>   | Government   | 1             |
|  |  |   | Beds   | 39            |
|  |  |   | Private  | 1             |
|  |  |   | Beds   | 40            |
|  |  | <b>Multispeciality hospital if any (Y/N)</b>                        |  | No            |
|  | <b>Name of Nearby town referred for Treatment</b>            |   | Name of town   | Mandsaur/Kota |
|  |  |   | Distance (Kms)                                       | 130/75        |
|  | <b>Education</b>   | <b>No. of Primary schools</b>                                       |  | 17            |
|  |  | <b>No. of Secondary/High schools</b>                                |  | 18            |
|  |  | <b>No. of Colleges</b>  |  | 1             |
|  |  | <b>No. of ITI</b>   |  | 3             |
|  | <b>Social security schemes</b>                               | <b>No. of Beneficiaries under SJSRY (Street Vendor)</b>             |  | 7             |
|  |  | <b>No. of Beneficiaries under Haath thela/Rickshaw chalak yojna</b> |  | 27            |
|  |  | <b>No. of Rain Basera/Night Shelter</b>                             |  | 0             |
|  |  | <b>Ownership of Rain Basera (with ULB/Rental)</b>                   |  | -             |
|  |  | <b>No. of Beneficiaries under Gharelu Kamkaji Mahila Yojana</b>     |  | 36            |
| <b>Name of other Social security schemes</b> |  | <b>Name of Scheme</b>   | <b>Beneficiaries</b>                                 |               |
|  |  | Deendayal antodaya  | 416  |               |
|  |  | Widow pension   | 200  |               |
|  |  | vradha pension  | 615  |               |
|  |  | samajik suraksh pension   | 259  |               |
|  | nishakit & viklang pension                                   | 50  |  |               |
|  | 80 varsh se adhik  | 35  |  |               |
| mansik vikalang                              | 17   |   |  |               |

## Sectoral Analysis

### Slums & Urban Poor

| Ward No | Name of Slum pocket/ reference name | Notified/ Un-notified | Ward population | Slum population | Individual water connections        | No. of Community taps               | No. of Handpumps                    | No. of Individual toilets           | No. of Community toilets            | No. of Pucca houses                 | No. of Semi pucca houses            | No. of Kuccha houses                | No. of Permanent pattas distributed | No. of Temporary pattas distributed | No. of Primary school in the slum pocket | No. of Primary Health centres in the slum pocket | Beneficiaries under social security schemes | Any interventions under IHSDP (Y/N) |
|---------|-------------------------------------|-----------------------|-----------------|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|--|---|-------------------------------------|
| 1       | -                                   | -                     | 1971            | -               | Release of Census 2011 data awaited | Release of Census 2011 data awaited | Release of Census 2011 data awaited | Release of Census 2011 data awaited | Release of Census 2011 data awaited | Release of Census 2011 data awaited | Release of Census 2011 data awaited | Release of Census 2011 data awaited | Data not available with ULB         | Data not available with ULB         | 1  | 1  | 1176  | Y                                   |
| 2       | -                                   | -                     | 1887            | -               |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | 2  | 0  |   | Y                                   |
| 3       | -                                   | -                     | 1453            | -               |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | -  | 0  |   | Y                                   |
| 4       | -                                   | -                     | 974             | -               |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | -  | 0  |   | Y                                   |
| 5       | -                                   | -                     | 917             | -               |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | -  | 0  |   | Y                                   |
| 6       | Sardar Patel ward                   | Notified              | 1309            | 1275            |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | -  | 0  |   | Y                                   |
| 7       |                                     |                       | 1044            | -               |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | -  | 0  |   | Y                                   |
| 8       | Bhagat singh ward                   | Notified              | 1613            | 1638            |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | 3  | 0  |   | Y                                   |
| 9       | Dr. Shyama Prasad Mukherjee ward    | Notified              | 2000            | 2079            |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | -  | 0  |   | Y                                   |
| 10      | -                                   | -                     | 1235            | -               |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | -  | 0  |   | Y                                   |
| 11      | -                                   | -                     | 928             | -               |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | 1  | 0  |   | Y                                   |
| 12      | -                                   | -                     | 1075            | -               |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | 1  | 0  |   | Y                                   |
| 13      | -                                   | -                     | 1456            | -               |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | -  | 0  |   | Y                                   |
| 14      | -                                   | -                     | 1357            | -               |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | 1  | 0  |   | Y                                   |
| 15      | -                                   | -                     | 1781            | -               |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | -  | 0  |   | Y                                   |
| Total   | 3                                   | -                     | 21000           | 4992            | 2904                                | 115                                 | 51                                  | -                                   | 69 seats                            | -                                   | -                                   | -                                   | -                                   | -                                   | 8  | 1  | 1176  |                                     |

# Municipal Finance (Should be filled carefully and it should be checked whether the capital income is factual or based on assumption)

Rs. In Lacs

| Year                               |   | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 |
|------------------------------------|---|---------|---------|---------|---------|---------|
| <b>Revenue Receipts</b>            | <b>Rates and Tax Revenue</b>                      | 11.42   | 18.40   | 18.53   | 19.75   | 20.14   |
|                                    | <b>Assigned Revenues &amp; Compensation</b>       | 40.19   | 44.25   | 54.21   | 97.21   | 102.40  |
|                                    | <b>Rental Income from Municipal Properties</b>    | 1.42    | 5.05    | 2.60    | 4.26    | 3.97    |
|                                    | <b>Fees &amp; User Charges</b>                    | 22.15   | 29.68   | 28.21   | 34.74   | 28.92   |
|                                    | <b>Sale &amp; Hire Charges</b>                    | 0.22    | 0.39    | 0.55    | 0.45    |         |
|                                    | <b>Revenue Grants, Contribution and Subsidies</b> | 2.92    | 7.07    | 8.08    | 3.00    | 10.04   |
|                                    | <b>Income from Investments</b>                    |         |         |         |         |         |
|                                    | <b>Interest Earned</b>                            |         |         |         |         |         |
|                                    | <b>Other Income</b>                               | 0.03    | 0.08    | 1.28    | 0.83    | 129.97  |
| <b>Total - Revenue Income</b>      |   | 78.32   | 104.91  | 113.45  | 160.25  | 295.45  |
| <b>Capital Receipts</b>            | <b>Grants, Contribution for specific purposes</b> | 60.75   | 52.00   | 65.08   | 51.24   | 127.18  |
|                                    | <b>Secured Loans</b>                              |         |         |         |         |         |
|                                    | <b>Unsecured Loans</b>                            |         |         |         |         |         |
|                                    | <b>Deposits</b>                                   | 8.38    | 4.54    | 3.28    | 4.82    | 25.57   |
|                                    | <b>Deposit works</b>                              |         |         |         |         |         |
| <b>Total Capital Receipts</b>      |   | 69.13   | 56.54   | 68.36   | 56.07   | 152.76  |
| <b>Revenue Expenditure</b>         | <b>Establishment Expenses</b>                     | 41.35   | 42.02   | 49.01   | 63.76   | 74.86   |
|                                    | <b>Administrative Expenses</b>                    |         |         |         |         |         |
|                                    | <b>Operations &amp; Maintenance</b>               |         |         |         |         |         |
|                                    | <b>Interest &amp; Finance Charges</b>             |         |         |         |         |         |
|                                    | <b>Programme Expenses</b>                         |         |         |         |         |         |
|                                    | <b>Revenue Grants, Contribution and Subsidies</b> | 33.24   | 30.16   | 40.96   | 41.03   | 97.82   |
|                                    | <b>Miscellaneous Expenses</b>                     |         |         |         |         |         |
| <b>Transfer to Fund</b>            |   |         |         |         |         |         |
| <b>Total - Revenue Expenditure</b> |   | 74.59   | 72.18   | 89.97   | 104.79  | 172.67  |
| <b>Capital Expenditures</b>        | <b>Fixed Assets</b>                               |         |         |         |         |         |
|                                    | <b>Capital Work-in-Progress</b>                   |         |         |         |         |         |
|                                    | <b>Investments -General Fund</b>                  |         |         |         |         |         |
|                                    | <b>Investments-Other Funds</b>                    |         |         |         |         |         |
|                                    | <b>Stocks/Inventory</b>                           |         |         |         |         |         |
|                                    | <b>Loans, Advances and Deposits</b>               |         |         |         |         |         |
|                                    | <b>Other Assets</b>                               | 23.89   | 30.42   | 88.86   | 84.65   | 10.15   |
|                                    | <b>Miscellaneous Expenditure</b>                  |         |         |         |         |         |
| <b>Total Capital Expenditure</b>   |   | 23.89   | 30.42   | 88.86   | 84.65   | 10.15   |
| <b>Total Income</b>                |   | 147.46  | 161.45  | 181.81  | 216.32  | 448.21  |
| <b>Total Expenditure</b>           |   | 98.47   | 102.60  | 178.83  | 189.45  | 182.83  |

Note: Refer Madhya Pradesh Municipal Accounting Manual for further details. Can be downloaded from "Download" Section of [www.mpurban.gov.in](http://www.mpurban.gov.in).

**Remarks**

1. The municipal finance data (Actual Income / Expenditure) has been taken from full year account, BUDGET document from 2006-07 to 2010-11.
2. Nagar Parishad has not migrated to accrual based double entry accounting system yet. Hence, the financial data is available in cash based accounting system.

## Reforms Action Plan

| Reforms   | Achieved (Y/N) | Timeline to achieve reforms till 2015 |         |         |         | Any City specific Strategies adopted   | Preliminary estimate (if any) for implementation | Implementing agency |
|---|----------------|---------------------------------------|---------|---------|---------|--|--|---------------------|
|   |                | 2012-13                               | 2013-14 | 2014-15 | 2015-16 |  |  |                     |
| Full migration of double accounting System  | N              | 25%                                   | 50%     | 75%     | 100%    | With rapid training and capacity building programmes throughout; taking assistance from Divisional Offices of UADD for improvements.   | As per UADD's agenda for the same.               | ULB                 |
| Property tax reforms, 85% coverage ratio and 90% collection ratio   | N              | 75%                                   | 90%     | 100%    | 100%    | Preparing data base for property tax collection on GIS; incentivising early payment of taxes; levying late fees; Setting up camps/ centres in various locations for tax collection   | INR 5 lakhs                                      | ULB                 |
| Levy of user charges : full recovery of O & M charges for sewerage, water supply and SWM  | N              | 50%                                   | 60%     | 90%     | 100%    | Water Supply - NRW/Water Audit study to help improve cost recovery; Sewerage - Minimal O&M expenditure for Decentralised Sewage Manangement, can be collected through decentralised system and integrated with single billing system with other ULB charges; SWM - same as sewerage. | Costs included in respective sectors.            | ULB                 |
| Internal earmarking of basic services to urban poor   | N              | 100%                                  | 100%    | 100%    | 100%    | Immediate allocation of funds in annual budget for urban poor.   | Nil  | ULB                 |
| E-governance  | N              | 25%                                   | 100%    | 100%    | 100%    | Immediate setting up of helpline/ complaints phone number; Launching ULB's website enabling online payments for taxes and user charges; setting up civic centres in the city.  | INR 200 lakhs                                    | ULB                 |
| Provision of basic services to urban poor including security of tenure at affordable prices, improved housing, water supply, sanitation | N              | 100%                                  | 100%    | 100%    | 100%    | Immediate provision of services to slum areas through in-situ upgradation.   | Included in Urban Poor Sector                    | ULB                 |

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## iii. List of Abbreviations

|        |   |
|--------|---|
| BPL    | Below Poverty Line  |
| CC     | Cement Concrete   |
| CDP    | City Development Plan   |
| CFL    | Compact Fluorescent Light   |
| CI     | Cast Iron   |
| CIP    | City Investment Plan  |
| CIP    | Capital Investment Plan   |
| CMO    | Chief Municipal Officer   |
| CPHEEO | Central for Public Health, Engineering & Environment Organisation |
| DM&C   | District Magistrate & Collector                                   |
| DMP    | Disaster Management Plan  |
| DNA    | Data Not available  |
| DPC    | District Planning Committee                                       |
| DPR    | Detailed Project Report   |
| DWMS   | Decentralised Waste Water Management Service                      |
| ESR    | Elevated Storage Reservoir  |
| EWS    | Economically Weaker Section                                       |
| FOB    | Foot Over-Bridge  |
| FOP    | Financial Operating Plan  |
| GDP    | Gross Domestic Product  |
| GIS    | Geographical Information System                                   |
| GoMP   | Government of Madhya Pradesh                                      |
| GSR    | Ground Level Service Reservoir                                    |
| GUDC   | Gujarat Urban Development Company                                 |
| Ha     | Hectares  |
| IEC    | Information, Education & Communication                            |
| IMC    | Indore Municipal Corporation                                      |
| INR    | Indian National Rupees  |
| ITI    | Industrial Training Institute                                     |
| JnNURM | Jawaharlal Nehru National Urban Renewal Mission                   |
| Kg     | Kilogram  |
| Km     | Kilometre   |
| LIG    | Low Income Group  |
| Lpcd   | Litres per capita per day   |
| M      | metre   |
| Mcuft  | Million cubic feet  |
| MPEB   | Madhya Pradesh Electricity Board                                  |
| ML     | Million Litres  |
| MLD    | Million Litres per Day  |
| Mm     | Millimetres   |
| MP     | Madhya Pradesh  |
| MPEB   | Madhya Pradesh Electricity Board                                  |
| MSW    | Municipal Solid Waste   |

|         |  |
|---------|--|
| MT      | Metric Tons  |
| NA      | Not Applicable   |
| ND      | Not Defined  |
| NGO     | Non Government Organisation                                      |
| NH      | National Highway   |
| NRW     | Non Revenue Water  |
| NUHM    | National Urban Health Mission                                    |
| O&M     | Operation & Maintenance  |
| OD      | Open Defecation  |
| PA      | Personal Assistant   |
| PHED    | Public Health & Engineering Department                           |
| PPP     | Public Private Partnership                                       |
| ROB     | Road Over-Bridge   |
| RTO     | Regional Transport Office  |
| SC      | Scheduled Caste  |
| ST      | Scheduled Tribe  |
| SH      | State Highway  |
| SLB     | Service Level Benchmark  |
| Sqkm    | Square Kilometre   |
| Sqm     | Square Metre   |
| STP     | Sewage Treatment Plant   |
| SWD     | Storm Water Drain  |
| SWM     | Solid Waste Management   |
| SWOT    | Strength Weakness Opportunity Threat                             |
| TCB     | Training & Capacity Building                                     |
| TCPD    | Town & Country Planning Department                               |
| ToR     | Terms of Reference   |
| TPD     | Tons per day   |
| UADD    | Urban Administration & Development Department                    |
| UDPI    | Urban Development Plans Formulation & Implementation             |
| UGD     | Under Ground Drainage  |
| UIDSSMT | Urban Infrastructure Development Scheme for Small & Medium Towns |
| ULB     | Urban Local Body   |
| UMC     | Urban Management Centre  |
| USD     | United States Dollar   |
| VMC     | Vadodara Municipal Corporation                                   |
| W       | Watts  |
| WTP     | Water Treatment Plan   |

#### iv. Preamble

The Urban Administration and Development Department (UADD), Government of Madhya Pradesh (GoMP) invited tenders for the preparation of the City Development Plans of 253 Nagar Parishads and 6 Nagar Palikas in Madhya Pradesh in September, 2011. The proposal of Urban Management Centre (UMC) was accepted by UADD and was then principally selected for the preparation of the City Development Plans of Garoth, Malhargarh, Narayangarh, Bhanpura, Sitamau, Shamgarh and Nagri Cities in Mandsaur District.

Subsequently, UMC conducted numerous site visits, meetings and conference calls between November 2011 and July 2013 for the purposes of data collection, field visits, interaction with ULB officials, citizens, focussed groups and stakeholder workshops. In addition to data collection, detailed site visits were conducted at the following locations to assess the status of municipal services:

- Existing water supply source, pumping stations, water treatment plant(s), reservoirs, location of valves, households/ neighbourhoods where municipal water is supplied.
- Waste collection points in residential, commercial, special (including meat, vegetable markets & mandis) areas; formal and informal open dumping sites in and around the city, including water bodies
- Natural water bodies including nalas, river, lakes, ponds, etc. to assess the environmental degradation caused due to lack of municipal services in the city.
- Public toilets, urinals and open defecation (OD) sites
- Areas facing problems such as congestion, encroachments, etc.
- Areas providing formal and informal public transport services to the city
- Home/ cottage industries in the city
- Special areas such as railway station, railway colonies, etc.
- Outgrowths of the city

Other site visits included areas such as the slums, residential areas, water bodies, municipal civic centre/ camps, retail and wholesale markets, health and educational institutions, etc.

The purpose of these detailed field visits was to establish a qualitative relationship between the statistical details provided by the ULB with the actual ground realities, which in many cases, were found to be negating each other. Based on the verification of collected data, UMC conducted studies to summarise the findings and prepare proposals to fill any gaps in the municipal services. These proposals were presented to all stakeholders through the 2nd Stakeholder Workshop conducted in January 2012. Based on the citizen's feedback, their vision for development of their city over the next 25 years, and their priorities, the proposals were then refined and a broad sector wise investment was estimated for the next 25 years.

This was followed by a Report on City Profile, Sector Analysis, City Vision and Priority Projects which presented

- a) Sector wise assessment of municipal services
- b) Stakeholder's vision for development of their cities over the next 25 years
- c) Stakeholder's priorities for development
- d) Proposals under this CDP for fulfilling the gaps in municipal services for the next 25 years
- e) A broad cost estimate for all the proposals

Post submission of the Stage 2 Report, State Level Meeting 01 was organised by UADD to review the progress of the CDP. During the State Level Meeting, general as well as city specific comments were provided by UADD

UMC also conducted Stakeholder Workshop 03 at the city level during this stage presenting the proposed projects and investment requirements to the stakeholders present. Further suggestions received during the workshop have been incorporated in the CDP.

Simultaneous to the Stakeholder Workshop 03, 1st District Level Presentation was conducted with the District Collector and Magistrate of Mandasaur district on August 06, 2012 and feedback received during this presentation has been incorporated in the CDP.

To review the draft CDP State Level Meeting 02 was organised by UADD and the feedback was provided. Based on the suggestions received, UMC prepared the Final CDP. This CDP presents the entire scope of work including city profile, sector analysis, city vision, priority projects, capital investment plan, financial operating plan and implementation mechanism for the proposals made under this CDP.

v. Disclaimer

The scope of this report is to present the results of our detailed analysis and understanding. Our conclusions are based upon information drawn from research of the relevant region, data collected from the Urban Local Body (ULB), discussions with the respective ULB and our sector knowledge. No representation or warranty, express or implied, is given by Urban Management Centre (UMC) or any of its respective partners, officers, employees, or agents as to the accuracy or completeness of the information, data or opinions provided to UMC by third parties.

In the course of our assignment, we were provided with both written and verbal information between November 2011 and July 2013. Nothing has come to our attention to cause us to believe that the facts and the data provided by the ULBs are not true or not correct. However, no responsibility is assumed for the authenticity of the information furnished by the ULB. It is believed to be reliable and has not been independently verified by UMC.

We have neither carried out an audit or due diligence of the city nor a viability assessment of the assets of the ULB. No investigation of the title of the tangible and intangible assets has been made and the ULB's claim to the assets has been assumed to be valid. No consideration has been given to liens or encumbrances, which exist against the assets. Therefore, matters of a legal nature relating to the title of the assets have not been considered.

In case this document is to be made available or disclosed to any third party, this disclaimer along with all the limiting factors must be issued to the concerned party. The fact that UMC assumes no liability whatsoever, if for the reason any party is led to any loss for acting upon this document, must also be brought to the notice of the concerned party.



## vi. Executive Summary

### 1. Background

In order to encourage systematic and planned development of small and medium cities and towns, Government of Madhya Pradesh (GoMP) has initiated the preparation of City Development Plan (CDP). The CDP presents both a vision of a desired future for the city and the urban local body's (ULB) organization, as well as mission statements on how the ULB, together with other stakeholders, intends to work towards achieving this long-term vision in the next five years. In the current scenario, CDP is not only a prerequisite for accessing Central and State funds, but also plays a key role in developing a strategic framework to translate vision into actions and actions into outcomes.

The Urban Administration and Development Department (UADD), Government of Madhya Pradesh (GoMP) invited tenders for the preparation of the City Development Plans of 253 Nagar Parishads and 6 Nagar Palikas in Madhya Pradesh in September, 2011. The proposal of Urban Management Centre (UMC) was accepted by UADD and was then principally selected for the preparation of the City Development Plans of Garoth, Malhargarh, Narayangarh, Bhanpura, Sitamau, Shamgarh and Nagri Cities in Mandsaur District.

The following sections illustrate the summary of CDP.

- Section 1 : illustrates the profile of Bhanpura city
- Section 2 : describes SWOT analysis and stakeholder vision for Bhanpura
- Section 3 : provides sector prioritisation
- Section 4 : gives an overview of infrastructure services
- Section 5 : identifies projects and investment needs along with phasing.

### 2. Bhanpura City Profile

Bhanpura city is a Nagar Parishad in Mandsaur district of the state Madhya Pradesh and has a population of 21,000 as per provisional figures of the Census 2011. The municipal area of the town is 8 sqkm as per the expansion finalized in 2003-04 (Bhanpura Nagar Parishad, 2011).

About 4.8 km away from Bhanpura there is an old palace named Indragarh. A ruined temple and a fort are still traceable on the summit of a nearby hollow hill. An inscription, excavated from this place reveals the fact, that during the 8<sup>th</sup> century the tract was under the rule of the Rashtrakuta ruler Nannaraja.



Bhanpura is situated at a distance of 130 km from the district headquarter Mandsaur. It is about 44.8 km from Jhalrapatan and about 92.8 km from Neemuch at the foot of the Vindhya Range.



There is a hilly region to the north of the town and Gandhi Sagar to the west of the town. Bhanpura has an average elevation of 384 metre above mean sea level. The average annual rainfall in the region is 961 mm (District Institute of Education Training, Mandsaur). The type of soil is alluvial soil and maximum temperature reaches to 44°C while the minimum temperature goes down to 27°C.

Majority of the people in Bhanpura are involved in agriculture and its allied activities. The major crops of the region are beetle leaves, opium, soyabean, wheat, *jowar*, oranges and onions. Apart from agriculture, there are small scale industries like stone, cement factory (upcoming), wooden sticks and slate pencil. There are no major industries in the city. Slate mining near the city may encourage stone industries and possibility of logistics hub can also be strengthened. The region being the home of pre-historic humans, medieval dynasties and more recently, Holkars of Indore boasts of rich built heritage. With Gandhi Sagar Forest Reserve and reservoir as the natural heritage, the region presents immense potential for tourism activities.



Nearly 32 percent of the urbanised area is under residential use while nearly 11 percent is under roads and transportation. Large parcels of vacant land are available in Bhanpura for further densification and provision of amenities in the already dense areas.

### 3. Stakeholders' Vision and SWOT Analysis

In order to get a comprehensive overview of the existing situation and suggest well-rounded and pragmatic solutions it is important to avail participation from all the relevant stakeholders. The same was envisaged for the preparation of CDP and hence, consultations were made an important part of the methodology and planned at all the critical stages.

### Stakeholders' Vision for Development of Bhanpura

Based on the vision statements provided by stakeholders, the vision for the development of Bhanpura has been summarised as below:

**To transform Bhanpura into a regional hub for tourism & education providing a gateway to archaeological and natural reserves of the region.**

### SWOT Analysis

Sectoral SWOT analysis was carried out for Bhanpura to better assess the position of the city with respect to future growth and development

#### Strength

Bhanpura has a good Agricultural potential that can be helpful in the growth of agro trade in the region. The region has a good potential for tourism due to its Architectural Heritage, Eco Tourism Potential, Wildlife Sanctuary, Rock Paintings at Indragarh.

#### Weakness

The absence of tourist facility and social infrastructure has a bad impact over economic growth of the city, besides there is no railway connectivity with the town and nearest railway station is located at Garoth (30km from Bhanpura). Lack of any town planning/ development schemes has been a major cause of low economic development in the city.

#### Opportunity

The town can be developed as a major tourist hub as several other tourist spots such as Gandhi Sagar Dam & Sanctuary, Indragarh etc. are easily accessible from Bhanpura. The transport and logistics potential of the city can be explored for development of industries and trade.

#### Threat

Absence of a development plan poses a threat of haphazard development to the existing fabric of the town. Also, stiff competition is being faced by Bhanpura from neighbouring Garoth City for economic development and potentially attracting industrial development in the future.

### 4. Sector Priority

The sector priorities have been computed by weighing each sector based on the above listed parameters and sub parameters. Computation of the same has set the prioritisation of sectors for CDP in Bhanpura as follows:

| Priority               | Sector                                      |
|------------------------|---|
| <b>Essential</b>       | Emergency Services                          |
|                        | Administrative Projects, Training & Studies |
| <b>High Priority</b>   | Solid Waste Management                      |
|                        | Sanitation                                  |
|                        | Education                                   |
|                        | Water Supply                                |
| <b>Medium Priority</b> | Heritage & Tourism                          |
|                        | Slums & Urban Poor                          |
|                        | Parks, Open Spaces & Water Bodies           |

|                         |                                 |
|-------------------------|---------------------------------|
|                         | Health                          |
|                         | Waste Water                     |
| <b>Low<br/>Priority</b> | Public spaces/Amenities         |
|                         | Street Lighting                 |
|                         | Roads, Traffic & Transportation |
|                         | Storm Water Drainage            |

## 5. Status of Infrastructure Services

### Water Supply

Reva River Check dam is the major source of water for Bhanpura. The city supplies 0.9 MLD of water after treatment (Water Supply Augmentation Scheme, 2006). Presently, Bhanpura's daily need for water is estimated at 3.26 MLD. With primarily agrarian nature of the town, the city however needs an additional quantity of 0.135 MLD water for livestock in urban areas.

With more than 1,000 residential properties without individual connection, the citizens have to purchase water for domestic consumption. In addition to public stand posts, there are an estimated 54 hand pumps in the city. No estimate of number of private bore wells is available from the city.

Although, no study has been conducted, NRW has been estimated at 37 percent using thumb rule calculations based on pipe sizes and duration of water supply. While, due to poor accounting practices, cost recovery in water supply is not known, the collection efficiency of water supply related charges has been measured to be 90 percent.

The city has a Water Augmentation Scheme under approval to augment the supply by 2.5 MLD through an additional 0.94 MLD of storage capacity and 50 km of distribution network. Despite this scheme, additional infrastructure would be required to meet the service level benchmarks (SLB) and has been proposed under this CDP.

### Waste Water Management

Bhanpura does not have an underground sewer network for collection of waste water. The toilets in the city either dispose waste in open or closed storm water drains in the city. An estimated 50 percent of households have individual toilets in Bhanpura. The city generates around 0.72 MLD of waste water daily. There is no mechanized facility (municipal or private) available in the city to clean septic tanks or for fecal sludge management.

Sewage is disposed into open grounds and Reva River which results into potential health hazards. There is no facility to treat waste water in Bhanpura. Hence, all waste water collected through storm water drains and *nalas* is disposed-off untreated in natural drain flowing in the centre of the city. At present, there is no scheme to provide waste water collection and/or treatment facilities in the city.

Decentralised Waste Management System (DWMS) has been proposed in the city as an alternative technology for waste water management.

### **Sanitation**

Bhanpura Nagar Parishad has provided 30 seats of public convenience and 2 public urinals in the city. The facilities are highly inadequate and do not cover all public places. Traces of open defecation have been observed at 4-5 locations in the town causing public health risks and environmental threats. The status of sanitation is further exacerbated due to non-functional septic tanks or soaks pits for safe treatment and disposal from the public toilets. This CDP proposes to provide individual toilets to all households and augment public toilets, especially at public places.

### **Storm Water Drainage**

The city has 8.7 km of storm water drains against a road length of 9.75 km. At present, waste water is also being collected by this system hence, polluting the environment. River Reva flows through the city collecting both rain and waste water. People throw waste in the open drains which leads to choking. Uncontrolled encroachments on SWD have also been observed which would be detrimental to drainage in the city. This CDP proposes to fulfil the gaps in storm water drains, desilting of natural drains and eliminating any spots prone to water-logging.

### **Solid Waste Management**

The city generates an estimated 4.73 MT of municipal solid waste. However, only an estimated 2.72 MT is collected daily from 37 secondary collection bins (mostly damaged) and unknown number of nuisance spots. Waste is also swept from the streets daily by 61 sweepers using 52 handcarts. The remaining waste is dumped into open spaces, along roads and water bodies. No door to door collection is undertaken in the city. The waste is transported to open dump site through tractor-trolleys and is disposed untreated.

This CDP proposes to provide infrastructure and technical support for improvement of MSW services in the city including door to door collection, transportation, treatment and disposal as per the norms.

### **Roads and Transportation**

The city is well connected with the road network of the district. Bhanpura has a road network comprising of cement concrete roads and tar surfaced roads. The width of internal roads (internal streets of the old city inside the gateways) is 3 m to 3.5 m. SH 31A passes through Bhanpura and is the widest road with a divider in between that goes upto Jhalawar. The nearest railway station from Bhanpura is at Bhawani Mandi (15 km away). The city has Shaheed Smarak Chauraha where the open land along the road is used as a bus station.

Local jeeps/ taxis and regional buses serve the city as public transport but do not have any designated parking lot or stand where they can halt. At present they use the campus of government hospital near Shaheed Smarak Chauraha as a parking stand.

There is no facility for the parking of trucks and tractors that causes congestion, especially during harvest times. There are no footpaths or other pedestrian facilities (like zebra crossings, foot over-bridge, etc.) in the city.

The city desperately needs public transport facilities like bus stand, parking, footpaths and additional roads on the periphery of the city. These improvements have been suggested under this CDP.

### **Street Lighting**

There are over 600 street lights in the city out of which 553 are tube lights, around 33 are sodium vapour lamps and the 30 are CFL. The street lights are operated manually and no timer device has been installed. Madhya Pradesh State Electricity Board (MPSEB) undertakes repairs and replacement as no technically qualified staff is available with the ULB. The cost of all spares and material is borne by the ULB.

The city needs additional street lights for proposed roads alongwith energy saving initiatives like automatic timer devices and energy efficient lights like LED and solar lamps. These improvements have been proposed under this CDP.

### **Public Amenities, Open Spaces and Water Bodies**

Bhanpura has around 2.1 percent of land under public amenities, 6.3 percent under water bodies and another 0.24 percent is under recreational areas summing to a total of around 13 percent for public use. The city has 1 public garden (Reva Garden) and 1 public library. The city has 6 graveyards and 5 crematoriums.

The city needs additional public amenities and public spaces such as library, night shelters, sports complex, parks, exhibition ground and appropriately developed water bodies. These improvements have been proposed under this CDP.

### **Health and Educational Facility**

The city houses a 39 bedded State Government Hospital, a 39 bedded nursing home, 1 medical laboratory and 1 PHC. Quantitatively, the facilities suffice the health infrastructure requirements of the city but the citizens have expressed qualitative inadequacy.

Similarly, there are adequate education facilities based on the size of the city. The quality of these institutions has been reported poor by the citizens. The city has 20 *aanganwadis*, 17 primary schools, 18 secondary/high schools, 1 private college and 1 government Industrial Training Institute (ITI).

### **Services for Urban Poor**

Currently, Bhanpura has inadequate data on slums. There are 3 notified slums in ward no. 6, 8 and 9. During field visits, it was observed that the ULB provides water through either an individual connection or public stand posts.

Apart from this there are very few individual toilets in these areas, and most of the slum population resorts to public toilets or open defecation. In-situ upgradation has been suggested for slums in this CDP.

### Emergency Services

Bhanpura Nagar Parishad owns 1 fire engine (heavy transport vehicle category) for emergency services with 1 driver deputed for the same. As streets of the older parts of the city are very narrow, nearly 50 percent of the city is inaccessible to this fire engine. The city does not have a fire station and there is absence of appropriate equipments, gear and trained staff to handle any emergency situations. Although a Disaster Management Plan (DMP) at district level is present, the city is not aware about it and the city does not have a DMP of its own. Improvements such as purchase of smaller fire engine, construction of a fully equipped fire station have been proposed under this CDP

### Heritage and tourism

Bhanpura has no existing list of heritage monuments in the city. However, during visits to the city UMC officials came across several potential sites, monuments and structures in Bhanpura. The list and descriptions of few identified monuments and structures and appropriate interventions to redevelop these site has been given in this CDP.

Mapping, listing and grading of these heritage structures as per prevailing norms should be done in the city, so that proper interventions could be made to conserve them. Apart from this, development of 'crafts village' and preparation of 'Heritage and Tourism Management Plan' have also been proposed in this CDP.

### Administrative and Other Projects

The city also needs to initiate E-Governance and computerisation, database creation, asset management plan and training & capacity building of its administrative staff in order to provide efficient municipal services to the city. Such improvements have been proposed under this CDP.

## 6. Proposed Projects and Investment Needs

Investment needs of every sector are divided into two categories – infrastructure projects; and studies & programmes. While infrastructure projects include implementation costs of projects on ground, the studies & programmes include preparation of studies, reports, conducting IEC campaigns, training programmes, etc.

The total infrastructure investment proposed for Bhanpura is INR 17,097 lakh while INR 2,785 is anticipated for studies and programs making the total investment need for the city to be INR 19,882. A sector wise breakup is provided below:

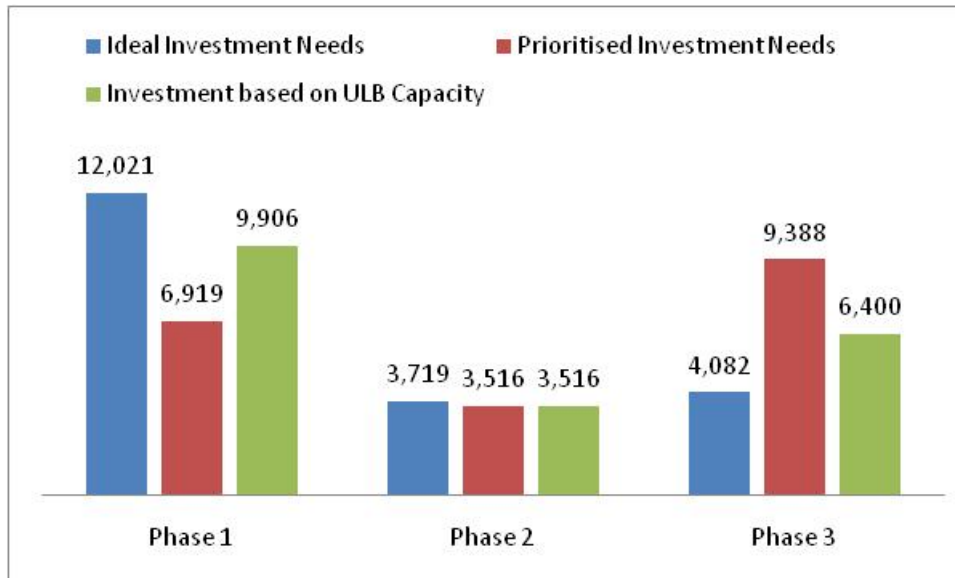
| Sector                                   | Infrastructure Projects (in lakh) | Studies & Programmes (in lakh) | Total (in lakh) |
|--|-----------------------------------|--------------------------------|-----------------|
| <b>Category A: Municipal Investments</b> |                                   |                                |                 |
| Water Supply                             | 528.3                             | 330.0                          | <b>858.3</b>    |
| Waste Water                              | 1,936.3                           | 280.0                          | <b>2,216.3</b>  |
| Urban Roads, Traffic & Transportation    | 8,459.8                           | 370.0                          | <b>8,829.8</b>  |
| Storm Water Drains                       | 1,820.7                           | 280.0                          | <b>2,100.7</b>  |

|  |                 |                |                 |
|--|-----------------|----------------|-----------------|
| <b>Street Lighting</b>                                 | 1,449.8         | 185.0          | <b>1,634.8</b>  |
| <b>Solid Waste Management</b>                          | 472.6           | 280.0          | <b>752.6</b>    |
| <b>Sanitation</b>                                      | 446.5           | 280.0          | <b>726.5</b>    |
| <b>Urban Poor/ Slums' Improvement</b>                  | -               | 80.0           | <b>80.0</b>     |
| <b>Open Spaces &amp; Water Bodies</b>                  | 655.0           | 125.0          | <b>780.0</b>    |
| <b>Public Amenities &amp; Other Projects</b>           | 630.0           | -              | <b>630.0</b>    |
| <b>Administrative Projects, Training &amp; Studies</b> | 250.0           | 130.0          | <b>380.0</b>    |
| <b>Emergency Services</b>                              | 58.0            | 155.0          | <b>213.0</b>    |
| <b>Total Requirement (A)</b>                           | <b>16,707.0</b> | <b>2,495.0</b> | <b>19,202.0</b> |
| <b>Category B: Non-municipal Investments</b>           |                 |                |                 |
| <b>Heritage &amp; Tourism</b>                          | 60.0            | 165.0          | <b>225.0</b>    |
| <b>Education facilities</b>                            | 210.0           | 62.5           | <b>272.5</b>    |
| <b>Health facilities</b>                               | 60.0            | 62.5           | <b>122.5</b>    |
| <b>Total Requirement (B)</b>                           | <b>330.0</b>    | <b>290.0</b>   | <b>620.0</b>    |
| <b>TOTAL INVESTMENT (A+B)</b>                          | <b>17,037.0</b> | <b>2,785.0</b> | <b>19,822.0</b> |

All figures are INR in lakhs.

Bhanpura Nagar Parishad is capable of spending INR 9906 lakh for capital investment in phase 1 (4 years). The annual capital investment capacity has been assumed to be 20 times the annual O&M capacity of the ULB (Bhanpura has an O&M capacity of INR 124 lakhs per annum). The investment requirements for Phase I considering sector prioritization is INR 6919 lakh, which is well under what the Nagar Parishad can invest. A comparison between ideal investment requirements, investments needs based on citizen priorities and investment needs based on actual capacity of the ULB have been shown below:





All figures are INR in lakhs.

Based on the financial capacity of the ULB, the final proposed phasing of investments has been done on the basis of following ratios:

| Priority               | Phase 1 | Phase 2               | Phase 3                                |
|------------------------|---------|-----------------------|--|
| <b>Essential</b>       | 100%    | 100%                  | 100%                                   |
| <b>High Priority</b>   | 100%    | 100%                  | 100%                                   |
| <b>Medium Priority</b> | 50%     | 100% + 50% of Phase 1 | 100%                                   |
| <b>Low Priority</b>    | 50%     | 50%                   | 100% + 50% of Phase 1 + 50% of Phase 2 |

The resultant final proposed phasing is as follows:

| Priority                      | Sector                                      | Phase 1<br>(in lakh) | Phase 2<br>(in lakh) | Phase 3<br>(in lakh) | Total<br>(in lakh) |
|-------------------------------|---|----------------------|----------------------|----------------------|--------------------|
| <b>Essential</b>              | Emergency Services                          | 113.0                | 50.0                 | 50.0                 | <b>213.0</b>       |
|                               | Administrative Projects, Training & Studies | 280.0                | 50.0                 | 50.0                 | <b>380.0</b>       |
| <b>High Priority</b>          | Solid Waste Management                      | 367.6                | 198.1                | 186.9                | <b>752.6</b>       |
|                               | Sanitation                                  | 496.5                | 113.5                | 116.5                | <b>726.5</b>       |
|                               | Education                                   | 162.5                | 50.0                 | 60.0                 | <b>272.5</b>       |
|                               | Water Supply                                | 396.2                | 195.8                | 266.2                | <b>858.3</b>       |
| <b>Medium Priority</b>        | Heritage & Tourism                          | 62.5                 | 112.5                | 50.0                 | <b>225.0</b>       |
|                               | Slums & Urban Poor                          | 10.0                 | 40.0                 | 30.0                 | <b>80.0</b>        |
|                               | Parks, Open Spaces & Water Bodies           | 130.0                | 390.0                | 260.0                | <b>780.0</b>       |
|                               | Health                                      | 36.3                 | 61.3                 | 25.0                 | <b>122.5</b>       |
|                               | Waste Water                                 | 732.7                | 1,080.0              | 403.6                | <b>2,216.3</b>     |
| <b>Low Priority</b>           | Public spaces/Amenities                     | 152.5                | 77.5                 | 400.0                | <b>630.0</b>       |
|                               | Street Lighting                             | 281.3                | 249.8                | 1,103.7              | <b>1,634.8</b>     |
|                               | Roads, Traffic & Transportation             | 3,025.1              | 670.4                | 5,134.3              | <b>8,829.8</b>     |
|                               | Storm Water Drainage                        | 672.3                | 176.8                | 1,251.7              | <b>2,100.7</b>     |
| <b>TOTAL INVESTMENT (A+B)</b> |   | <b>6,918.5</b>       | <b>3,515.6</b>       | <b>9,387.8</b>       | <b>19,822.0</b>    |
|                               |   | 35%                  | 18%                  | 47%                  |                    |

All figures are INR in lakhs.

Under the ideal scenario, the investment requirements for Phase 1 considering sector prioritization are INR 11,981 lakh, which is beyond the capacity of the Nagar Parishad. According to the Financial Operating Plan, Bhanpura Nagar Parishad is capable operating and maintaining project worth INR 6,901 lakh.

The phasing of investment based on the above principles indicates that only 35% of the total investment can be undertaken in Phase 1, while the remaining 18% percent and 48% percent can be undertaken in Phase 2 and 3 respectively.

Based on the above investment, the financial operations of the ULB for Phase 1 have been shown below:

|                              | CAGR % | 2010-11       | 2011-12       | 2012-13       | 2013-14       | 2014-15       | 2015-16        |
|------------------------------|--------|---------------|---------------|---------------|---------------|---------------|----------------|
| <b>Revenue</b>               |        |               |               |               |               |               |                |
| Receipt                      | 29.93% | 72.77         | 94.55         | 122.85        | 159.61        | 207.39        | 269.46         |
| Expenditure                  | 18.28% | 56.22         | 66.49         | 78.65         | 93.02         | 110.03        | 130.14         |
| <b>Surplus/ Deficit</b>      |        | <b>16.55</b>  | <b>28.05</b>  | <b>44.20</b>  | <b>66.59</b>  | <b>97.36</b>  | <b>139.31</b>  |
| Operating ratio              |        | 0.77          | 0.70          | 0.64          | 0.58          | 0.53          | 0.48           |
| <b>Capital</b>               |        |               |               |               |               |               |                |
| Receipt                      | 34.42% | 97.01         | 130.40        | 175.29        | 235.62        | 316.72        | 425.73         |
| Expenditure                  | 31.67% | 66.36         | 87.38         | 115.05        | 151.49        | 199.47        | 262.64         |
| <b>Surplus/ Deficit</b>      |        | <b>30.65</b>  | <b>43.02</b>  | <b>60.23</b>  | <b>84.13</b>  | <b>117.25</b> | <b>163.09</b>  |
| Capital Utilisation ratio    |        | 0.68          | 0.67          | 0.66          | 0.64          | 0.63          | 0.62           |
| Opening Balance              |        | 172.82        | 220.02        | 291.09        | 395.52        | 546.24        | 760.84         |
| Total inflow                 |        | 169.78        | 224.95        | 298.13        | 395.23        | 524.10        | 695.19         |
| Total Outflow                |        | 122.58        | 153.87        | 193.70        | 244.52        | 309.50        | 392.79         |
| <b>Net surplus / Deficit</b> |        | <b>220.02</b> | <b>291.09</b> | <b>395.52</b> | <b>546.24</b> | <b>760.84</b> | <b>1063.25</b> |

*All figures are INR in lakhs.*

The projects proposed under this CDP and the resultant investment needed are based on 2012 rates and shall be revised periodically as and when needed.