<table>
<thead>
<tr>
<th>FIG NO.</th>
<th>TITLE</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Location map of Nethravathi River Basin</td>
<td>2</td>
</tr>
<tr>
<td>2.1</td>
<td>Geological map of Karnataka (Adopted from G.S.I map, 1981)</td>
<td>12</td>
</tr>
<tr>
<td>2.2</td>
<td>Geological map of the river basin</td>
<td>14</td>
</tr>
<tr>
<td>2.3</td>
<td>Lineament map of the river basin</td>
<td>18</td>
</tr>
<tr>
<td>2.4</td>
<td>Geomorphological map of the river basin</td>
<td>20</td>
</tr>
<tr>
<td>2.5</td>
<td>Soil map of the Dakshina Kannada District</td>
<td>24</td>
</tr>
<tr>
<td>3.1</td>
<td>Drainage network of the river basin</td>
<td>27</td>
</tr>
<tr>
<td>3.2</td>
<td>Drainage frequency map of the river basin</td>
<td>34</td>
</tr>
<tr>
<td>3.3</td>
<td>Drainage density map of the river basin</td>
<td>36</td>
</tr>
<tr>
<td>3.4</td>
<td>Relative relief map of the river basin</td>
<td>38</td>
</tr>
<tr>
<td>3.5</td>
<td>Slope map of the river basin</td>
<td>41</td>
</tr>
<tr>
<td>4.1</td>
<td>Isohyetal map of the river basin</td>
<td>45</td>
</tr>
<tr>
<td>4.2</td>
<td>Trend analysis of rainfall over the years</td>
<td>46</td>
</tr>
<tr>
<td>5.1</td>
<td>Location of Observation wells in the river basin</td>
<td>56</td>
</tr>
<tr>
<td>5.2</td>
<td>Grid deviation water table map of the river basin</td>
<td>58</td>
</tr>
<tr>
<td>5.3</td>
<td>Depth to the water table (m) map of the river basin (bgl)</td>
<td>61</td>
</tr>
<tr>
<td>5.4</td>
<td>Height of water table above mean sea level in January month</td>
<td>62</td>
</tr>
<tr>
<td>5.5</td>
<td>Height of water table above mean sea level in April month</td>
<td>63</td>
</tr>
<tr>
<td>5.6</td>
<td>Height of water table above mean sea level in July month</td>
<td>64</td>
</tr>
</tbody>
</table>
5.7 Height of water table above mean sea level in October month
5.8 Groundwater level fluctuation map of the river basin
5.9 Long term trend of the water table fluctuations of the observation wells
5.10 Location map of the Pump tested wells
5.11 Aquifer transmissivity map of the river basin
5.12 Storage coefficient map of the river basin
5.13 Optimum yield map of the river basin
5.14 Map showing the total time for full recovery in the river basin
5.15 Recovery rate map of the river basin
5.16 Slichter's specific map of the river basin
5.17 Limaye's specific capacity map of the river basin
6.1 Locations of the VES points in the river basin
6.2 Resistivity of the first layer of the river basin
6.3 Resistivity of the second layer of the river basin
6.4 Thickness of the first layer (m) of the river basin
6.5 Thickness of the second layer (m) of the river basin
6.6 Depth to the aquifer basement of the river basin
6.7 Iso resistivity contours at 5m depth in the river basin
6.8 Iso resistivity contours at 10m depth in the river basin
6.9 Iso resistivity contours at 20m depth in the river basin
6.10 Iso resistivity contours at 40m depth in the river basin
6.11 Aquifer longitudinal conductance map of the river basin
6.12 Aquifer transverse resistance map of the river basin
6.13 Aquifer anisotropy map of the river basin
6.14 Geo electrical groundwater potential zones in the river basin (<60 ohmm resistivity and >25 m aquifer thickness)

6.15 Geo electrical groundwater potential zones in the river basin (<120 ohmm resistivity and >25 m aquifer thickness)

6.16 Geo electrical groundwater potential zones in the river basin (<200 ohmm resistivity and >25m aquifer thickness)

6.17 Suitable sites for artificial recharging in the river basin

7.1 Location of groundwater samples collected

7.3 Distribution of Calcium in the river basin

7.4 Distribution of Magnesium in the river basin

7.5 Distribution of Sodium in the river basin

7.6 Distribution of Potassium in the river basin

7.7 Distribution of Chloride in the river basin

7.8 Distribution of Nitrate in the river basin

7.9 Distribution of Sulphate in the river basin

7.10 Distribution of Bicarbonate in the river basin

7.11 Distribution of pH in the river basin

7.12 Distribution of EC in the river basin

7.13 Distribution of TDS in the river basin

7.14 Distribution of Hardness in the river basin

7.15 Piper's diagram

7.16 Distribution of hydrochemical facies in the river basin

7.17 Distribution of SAR in the river basin

7.18 Distribution of RSC in the river basin

7.19 Distribution of Percent Sodium in the river basin

7.20 Wilcox diagram
7. 21 Distribution of Permanent hardness and Temporary hardness in the river basin
7. 22 Distribution of Salinity and Sodium hazard in the river basin
7. 23 Distribution of Corrosivity ratio in the river basin
7. 24 Distribution of Index of Base Exchange (CAI - 1) in the river basin
7. 25 Distribution of Index of Base Exchange (CAI - 2) in the river basin
7. 26 Distribution of Schoeller's water types in the river basin
7. 27 Dendrogram of the Q-mode cluster analysis