

# PROJECT PLANNING MATRIX

APPENDIX-B3

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<b>Project Title:</b>	BME for The Karnataka Urban Infrastructure Development Programme (KUIDP)	<b>Issue Status:</b>	Issue No. 1 dated 14 Nov 1998, Revision-09 dtd 19 Aug 1999
<b>ADB Loan No.</b>	1415-IND	<b>Plan Horizon</b>	1998-2001 AD
<b>Organisations:</b>	<ul style="list-style-type: none"> <li>• KUIDFC, Bangalore</li> <li>• Louis Berger Int'l Inc., Bangalore</li> <li>• INTERVENTION (INDIA) PVT. LTD.</li> </ul>	<b>Contacts:</b>	<ul style="list-style-type: none"> <li>• Dr. Keerthy Shekhar</li> <li>• Mr. Robert Berlin</li> <li>• Ms. Leena Pascal and Ms. Gita Balakrishnan</li> </ul>
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22 January 2000

NARRATIVE SUMMARY OF OBJECTIVES AND ACTIVITIES	OBJECTIVELY VERIFIABLE INDICATORS (OVI)	MEANS OF VERIFICATION (MoV)	IMPORTANT ASSUMPTIONS AND EXTERNAL FACTORS
<p><b><u>GOAL</u></b></p> <p><input type="checkbox"/> To Promote Decentralisation of Economic Growth Away from Bangalore City</p>	<p><input type="checkbox"/> [To be researched]</p>	<p><input type="checkbox"/> [Expert Evaluation]</p>	<p><input type="checkbox"/> This goal is consonant with the goals of the Bangalore Sub-Regional Urban Plan</p>
<p><b><u>PURPOSE</u></b></p> <p><input checked="" type="checkbox"/> To equip four selected towns in the Bangalore sub-region (Mysore, Tumkur, Ramanagaram and Channapatna) to attract investment for economic growth</p>	<p><input checked="" type="checkbox"/> New Businesses and Industries opened in the Project Towns</p>	<p><input checked="" type="checkbox"/> Municipal Records – Time Series</p> <p><input checked="" type="checkbox"/> Industries Dept. Records</p> <p><input checked="" type="checkbox"/> CII &amp; FKCCI Documents</p>	<p><input checked="" type="checkbox"/> Infrastructure items other than those delivered by the project will be set up by the State Government</p> <p><input checked="" type="checkbox"/> There is no economic downturn at the macro level</p>
	<p><input checked="" type="checkbox"/> Growth of Municipal Revenue as a result of new Business &amp; Industry</p>	<p><input checked="" type="checkbox"/> Municipal Records – Time Series</p>	<p><input checked="" type="checkbox"/> Municipality is able to manage and sustain new systems and work culture</p>
	<p><input checked="" type="checkbox"/> Appreciation of Real Estate and Rental Values in the Project Towns</p>	<p><input checked="" type="checkbox"/> Real Estate Brokers Records:Trend Analysis</p>	<p><input checked="" type="checkbox"/> There is no economic downturn at the macro level</p> <p><input checked="" type="checkbox"/> Increased land values will not cause slum dwellers to be pressured out without compensation</p>
	<p><input checked="" type="checkbox"/> Growth of Residential Housing in Programme Towns</p>	<p><input checked="" type="checkbox"/> Municipal Records: Trend Analysis</p>	<p><input checked="" type="checkbox"/> Other infrastructure components in Programme Towns will be simultaneously developed</p>
	<p><input checked="" type="checkbox"/> Significant shift from low-paying, menial occupations to better paying occupations among Chief Wage Earners of Programme Slum households</p>	<p><input checked="" type="checkbox"/> Before &amp; After Slum Survey Report (IIPL) – Chi-Square Test on 2-Way Contingency Table of Menial &amp; "Not Menial" Jobs</p>	<p><input checked="" type="checkbox"/> KUIDP is able to modify internal systems to work with NGOs and get results</p> <p><input checked="" type="checkbox"/> KUIDP is responsive to people's needs</p> <p><input checked="" type="checkbox"/> Slum Dwellers are involved at all stages of the Development Process</p> <p><input checked="" type="checkbox"/> Slum-level Management Capacity is developed for maintenance of infrastructure improvements</p>

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<p><b><u>OUTPUT - A</u></b></p> <p>A. Critical Infrastructure Provided/Upgraded in the four selected towns</p>	<p>A.1. At Least 95% of planned activities in the four towns completed by June 2001</p>	<p>A.1.1 Annual Reports</p>	<p>A.1.1 There are no crippling Cost Overruns</p> <p>A.1.2 All Project Contractors are able to complete works on schedule</p> <p>A.1.3 There are no Work Stoppages because of Public Demonstrations against alleged shoddy work</p>
<p><b><u>SPECIFIC OUTPUTS</u></b></p> <p>These Specific Outputs vary across programme towns and indicators need to be fine-tuned with further consultations</p>			
<p><b><u>A.a. Water Supply</u></b></p>			
<p>♦ <i>Increased Urban Water Supply</i></p>	<p>&gt; <i>Citizens in selected locations (sample mean) receive significantly more water (LPCD) after intervention</i></p>	<p>&gt; <i>BME Special Study Report (Before and After)</i></p>	<p>&gt; <i>Municipality makes adequate arrangements for bulk water distribution</i></p>
<p>♦ <i>Improved Urban Water Quality</i></p>	<p>&gt; <i>Improved scores for drinking water</i></p>	<p>&gt; <i>BME – Before (Main Baseline) and After</i></p>	<p>&gt; <i>Leakage and seepage in existing pipelines are repaired</i></p>
	<p>&gt; <i>Reduced perceived need for purification of water at home</i></p>	<p>&gt; <i>BME – Before (Main Baseline) and After</i></p>	<p>&gt; <i>Leakage and seepage in existing pipelines are repaired</i></p>
	<p>&gt; <i>Significant improvement in Lab test results</i></p>	<p>&gt; <i>Public Health Records</i></p>	<p>&gt; <i>Proper Records are maintained in each programme town</i></p>
<p>♦ <i>Increased Reliability of Urban Water Supply</i></p>	<p>&gt; <i>Significant increase in days per week of water supply</i></p>	<p>&gt; <i>BME – Before (Main Baseline) and After</i></p>	<p>&gt; <i>Leakage and seepage in existing pipelines are repaired</i></p>
	<p>&gt; <i>Significant increase in hours per day of water supply</i></p>	<p>&gt; <i>BME – Before (Main Baseline) and After</i></p>	<p>&gt; <i>Leakage and seepage in existing pipelines are repaired</i></p>
	<p>&gt; <i>Significant increase in perceived “pressure” in pipe</i></p>	<p>&gt; <i>BME – Before (Main Baseline) and After</i></p>	<p>&gt; <i>Leakage and seepage in existing pipelines are repaired</i></p>
<p><b><u>A.b. Sewerage</u></b></p>			
<p>♦ <i>Improved Sewerage</i></p>	<p>&gt; <i>Reduced proportion of households sampled believe stagnant raw sewage in the neighbourhood is responsible for family illnesses</i></p>	<p>&gt; <i>BME – Before (Main Baseline) and After</i></p>	
<p><b><u>A.c. Stormwater Drains</u></b></p>			
<p>♦ <i>Improved Drainage</i></p>	<p>&gt; <i>Reduced proportion of households sampled report that they have inadequate drainage in their neighborhoods</i></p>	<p>&gt; <i>BME – Before (Main Baseline) and After</i></p>	

<p><b><u>A.d. Solid Waste Mgmt.</u></b></p> <ul style="list-style-type: none"> <li>♦ <i>Improved SWM</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Increased proportion of respondents sampled report IMPROVED FREQUENCY of collection for SWM in their neighborhoods</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>BME – Before (Main Baseline) and After</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>KUIDP is able and willing to encourage neighbourhood SWM schemes with pilot projects</i></li> </ul>
<p><b><u>A.e. Road Improvement</u></b></p> <ul style="list-style-type: none"> <li>♦ <i>Improved Roads &amp; Drains</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Increased proportion of respondents sampled report improvement in roads in their neighborhoods</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>BME – Before (Main Baseline) and After</i></li> </ul>	
	<ul style="list-style-type: none"> <li>&gt; <i>Decrease in proportion of respondents reporting having witnessed road accidents in their neighborhoods in the last three months</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>BME – Before (Main Baseline) and After</i></li> </ul>	
<p><b><u>A.f. Residential Sites</u></b></p> <ul style="list-style-type: none"> <li>♦ <i>Urban Housing Capacity Increased</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>All housing sites developed by KUIDP are sold out by June 2001</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>BME – Special Studies - Before and After</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>LIG housing sites developed by KUIDP are not cornered by speculators</i></li> <li>&gt; <i>Resettlements are managed without social tensions</i></li> </ul>
<p><b><u>A.g. Industrial Sites</u></b></p> <ul style="list-style-type: none"> <li>♦ <i>Urban Industrial Capacity Increased</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Work on setting up Industries is commenced in at least 60% of industrial sites developed by KUIDP by June 2001</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>BME – Special Studies - Before and After</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Complementary infrastructure is set up and available by June 2001</i></li> </ul>
<p><b><u>A.h. Truck Terminal</u></b></p> <ul style="list-style-type: none"> <li>♦ <i>Reduced Road Congestion due to parked trucks</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Qualitative</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Interview with Traffic Police</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Police are able to enforce truck parking in Truck Terminal</i></li> <li>&gt; <i>Undesirable Activities are not started in Truck Terminal area</i></li> </ul>
<p><b><u>A.i. Bus Park</u></b></p> <ul style="list-style-type: none"> <li>♦ <i>Reduced Road Congestion due to parked buses</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Qualitative</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Interview with Traffic Police</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Police are able to enforce use of Bus Parks</i></li> <li>&gt; <i>Bus users are not inconvenienced due to bad location of Bus Parks</i></li> </ul>
<p><b><u>A.j. Public Toilets</u></b></p> <ul style="list-style-type: none"> <li>♦ <i>Improved Road Hygiene</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Qualitative</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Observation</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Toilets are maintained efficiently</i></li> </ul>

<b><u>OUTPUT - B</u></b>			
B. Urban Poor Gain Access to Social Services and Essential Infrastructure	B. Improved Self-Esteem of Programme Slum Dwellers	B. PRA Study Report – Before and After	B. NGO Collaboration is established without any further delay
<b><u>SPECIFIC OUTPUTS</u></b>	These Specific Outputs vary across programme towns and indicators need to be fine-tuned with further consultations		
<b><u>B.a. Organisation</u></b>			
♦ Strong Slum Development Organisations (SDO) established in all Programme Slums	> Each SDO succeeds in at least two causes taken up to benefit the slum per year, based on annual plans	> PRA Study Report	> NGO Collaboration is successful > KUIDP is able to modify internal systems to work with NGOs and get results > KUIDP is willing and able to facilitate bottom-up integrated slum development > There are no political splits in the slums
<b><u>B.b. Credit</u></b>			
♦ Self Governing Credit Unions established in each Programme Slum	> Physical Verification	> PRA Study Report > Credit Membership Details and Records	> Strong SDOs are established
	> Number of Income Generation Activities Started with Self-Help Credit	> PRA Study Report > Credit Membership Details and Records	> NGO Collaboration is successful
<b><u>B.c. Safe Water - Access</u></b>			
♦ Households in each Programme Slum gain ACCESS to safe drinking water	> Reduction in average distance from Slum Habitation to nearest Standpipe	> Before & After Slum Survey Report (IIPL)	> Distribution of Bulk Water to Slum Localities and provision of standpipes has been planned and co-ordinated by KUIDP
<b><u>B.d. Safe Water - Adequacy</u></b>			
♦ Households in each Programme Slum get ADEQUATE quantities of safe water	> Atleast 60% of Programme Slum H/h have minimum standard of 120 LCD (Litres/Capita/Day) safe water -	> Before and After: Estimation during sampling – Measurement to be done March-May	> Distribution of Bulk Water to Slum Localities and provision of standpipes has been planned and co-ordinated by KUIDP
<b><u>B.e. Sanitation - Access</u></b>			
♦ Households in each Programme Slum gain ACCESS to efficient sanitation	> Increased proportion of Programme Slum households have access to Municipality approved sanitation facilities	> Before & After Slum Survey Report (IIPL)	> KUIDP is able to successfully address land ownership issues in Urban Slums
<b><u>B.f. Health Education</u></b>			
♦ Health Awareness established among Women in Programme Slums	> Increased Awareness of Community and Reproductive Health issues among Women in Programme Slums	> PRA Studies among women – Before and After	
<b><u>B.g. Immunisation</u></b>			
♦ Slum Children gain access to basic health protection	> Increased proportion of Programme Slum Children who have been immunised	> Before & After Slum Survey Report (IIPL)	> Parents are co-operative

<p><b>B.h. <u>Primary Education - Access</u></b></p> <ul style="list-style-type: none"> <li>♦ <i>Slum Children gain access to Primary Education</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Increased Primary School Enrolment among Programme Slum Children</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Before &amp; After Slum Survey Report (IPL)</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Strong SDOs are organised</i></li> </ul>
<p><b>B.i. <u>Primary Education - Retention</u></b></p> <ul style="list-style-type: none"> <li>♦ <i>Retention of Programme Slum Children in Primary Schools</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Reduced (Primary) School Dropout among Programme Slum Children</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Before &amp; After Slum Survey Report (IPL)</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Parents are co-operative</i></li> </ul>
<p><b><u>OUTPUT - C</u></b></p> <p>C. Urban Local Government (ULG) Capacity to manage and Sustain investments in the four selected towns Developed</p>	<ul style="list-style-type: none"> <li>&gt; <i>Over half of (randomly sampled) direct Customers (new Business &amp; Industry) are satisfied with ULG Services</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Customer Interviews</i></li> <li>&gt; <i>Review Report of New Systems Usage &amp; Maintenance - BMEP</i></li> <li>&gt; <i>Interview with Trade &amp; Industry Representatives</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>ULG Staff get adequate senior level leadership, support and motivation</i></li> <li>&gt; <i>ULG Staff get adequate technical support on an ongoing basis</i></li> <li>&gt; <i>Trained Staff will not be transferred until the system is established</i></li> </ul>
	<ul style="list-style-type: none"> <li>&gt; <i>Significant Increase in number of Taxpayers</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Municipality Records Trend Analysis</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Public co-operates in Revenue Reforms</i></li> </ul>
	<ul style="list-style-type: none"> <li>&gt; <i>Significant Increase in Total Revenue Collections</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Municipality Records Trend Analysis</i></li> </ul>	<ul style="list-style-type: none"> <li>&gt; <i>Public co-operates in Revenue Reforms</i></li> </ul>