India - Capacity Building for Industrial Pollution Management (P091031)

**Key Dates**

**Key Project Dates**

- Bank Approval Date: 03-Jun-2010
- Effectiveness Date: 13-Oct-2010
- Planned Mid Term Review Date: 27-May-2013
- Actual Mid-Term Review Date: 19-Jun-2013
- Original Closing Date: 30-Sep-2015
- Revised Closing Date: 15-Sep-2017

**Project Development Objectives**

Project Development Objective (from Project Appraisal Document)

The objectives of the Project are: (i) to build tangible human and technical capacity in selected state pollution control agencies of the Borrower for undertaking environmentally sound remediation of polluted sites; and (ii) to support the development of a policy, institutional and methodological framework for the Borrower to establish a National Program for Rehabilitation of Polluted Sites.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

Yes

Board Approved Revised Project Development Objective (If project is formally restructured)

To strengthen the capacity of selected state pollution control agencies in the remediation of polluted sites and to support development of a framework to establish a national program for the remediation of polluted sites.

**Components**

Name

- Strengthening of Environmental Institutions: Building capacity for addressing pollution remediation: (Cost $15.10 M)
- Investments in Priority Remediation and Environmental Improvements: Rehabilitation of orphan hazardous waste sites and municipal dumps: (Cost $30.86 M)
- Project Management: (Cost $5.32 M)

**Overall Ratings**

<table>
<thead>
<tr>
<th>Name</th>
<th>Previous Rating</th>
<th>Current Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Progress towards achievement of PDO</td>
<td>♦ Moderately Satisfactory</td>
<td>♦ Moderately Satisfactory</td>
</tr>
</tbody>
</table>
Implementation Status and Key Decisions

Overall, the bid process for all the three pilot remediation sub-projects has been concluded and remediation activities in two sites - Kadapa, Andhra Pradesh and Dhapa, Kolkata in West Bengal are progressing with good pace. Award of contract for the third sub-project for NMK Lake in Hyderabad, however could not be made due to a writ petition in the High Court of Telangana with regard to ownership of some portion of the lake land.

Given the current status of the project, 70 percent of remediation works in Kadapa sub-project in Andhra Pradesh and about 50% of remediation works in Dhapa Sub-Project, are likely to be completed by September 15, 2017 (current closing date of the project). Implementation of the third remediation sub-project at NMK Lake in Hyderabad, Telangana, can not be taken up until the ongoing judicial process is completed.

At the central level, MoEF&CC has approved, the three basic studies and preparation of national framework for the remediation of polluted sites, including development of Rules for Remediation and Soil Standards is underway. Other capacity building activities such as strengthening the laboratory analytical capacity and training programs the three project states, have been partially completed and remaining programs are being planned in the next three months.

Risks

Systematic Operations Risk-rating Tool

<table>
<thead>
<tr>
<th>Risk Category</th>
<th>Rating at Approval</th>
<th>Previous Rating</th>
<th>Current Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Political and Governance</td>
<td>--</td>
<td>Moderate</td>
<td>Moderate</td>
</tr>
<tr>
<td>Macroeconomic</td>
<td>--</td>
<td>Low</td>
<td>Low</td>
</tr>
</tbody>
</table>
Sector Strategies and Policies -- ○ Moderate ○ Moderate
Technical Design of Project or Program -- ○ Substantial ○ Substantial
Institutional Capacity for Implementation and Sustainability -- ○ Substantial ○ Substantial
Fiduciary -- ○ Moderate ○ Moderate
Environment and Social -- ○ Substantial ○ Substantial
Stakeholders -- ○ Substantial ○ Substantial
Other -- -- --
Overall -- ○ Substantial ○ Substantial

Results

Project Development Objective Indicators

► Frame work for the establishment of NPRPS comprising inventory of polluted sites, remediation methodologies and policy and regulatory reviews developed (Text, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>No</td>
<td>Draft Prepared</td>
<td>Draft Prepared</td>
<td>Yes - Final Framework Developed</td>
</tr>
</tbody>
</table>

► Contaminated land managed or dump sites closed under the project (Hectare(Ha), Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>16.30</td>
</tr>
</tbody>
</table>

► Capacity of technical staff of the participating agencies strengthened to prepare, implement and monitor remediation plans (Text, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>--</td>
<td>1 - Preparation capacity developed</td>
<td>3 - Implementation and monitoring capacity developed</td>
</tr>
</tbody>
</table>
### Direct project beneficiaries (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>183,362.00</td>
</tr>
</tbody>
</table>

### Female beneficiaries (Percentage, Custom Supplement)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>45.34</td>
</tr>
</tbody>
</table>

**Overall Comments**

**Intermediate Results Indicators**

### Inventory of Polluted Sites in India developed (Text, Custom)

<table>
<thead>
<tr>
<th></th>
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<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>No</td>
<td>--</td>
<td>Yes - Inventory Developed</td>
<td>Yes - Inventory developed</td>
</tr>
</tbody>
</table>
### Methodologies for remediation of polluted Sites in India developed (Text, Custom)

<table>
<thead>
<tr>
<th>Value</th>
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<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No</td>
<td>--</td>
<td>Yes - Methodologies Developed</td>
<td>Yes - Methodologies developed part of the remediation framework</td>
</tr>
</tbody>
</table>


### National guidelines for the remediation of polluted sites developed (Text, Custom)

<table>
<thead>
<tr>
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<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No</td>
<td>Draft Guidelines ready</td>
<td>Draft Guidelines ready</td>
<td>Yes - Guidelines integrated in the remediation framework</td>
</tr>
</tbody>
</table>


### Policy options for remediation of polluted sites developed based on a review of existing legislations and international experiences (Text, Custom)

<table>
<thead>
<tr>
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<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No</td>
<td>--</td>
<td>Yes - Policy options Identified</td>
<td>Yes - Policy options report finalized</td>
</tr>
</tbody>
</table>


### Number of parameters that can be analyzed by the laboratories of Telangana and West Bengal Pollution Control Boards, increased (Number, Custom)

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<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>26.00</td>
<td>70.00</td>
<td>70.00</td>
<td>76.00</td>
</tr>
</tbody>
</table>

### Online network of State Pollution Control Boards for remediation established (Text, Custom)

<table>
<thead>
<tr>
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</thead>
</table>

### Remediation plans prepared based on risk based approach and ready for implementation in all the three participating states (Percentage, Custom)

<table>
<thead>
<tr>
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</table>

### Post-remediation monitoring system with appropriate infrastructure and approved indicators established for all the three remediation sites by the completion of remediation works (Text, Custom)

<table>
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</tr>
</thead>
</table>

### People with reduced direct exposure to pollution from sites remediated by the project (Number, Custom)

<table>
<thead>
<tr>
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</tr>
</thead>
</table>

**Overall Comments**
Data on Financial Performance

Disbursements (by loan)

<table>
<thead>
<tr>
<th>Project</th>
<th>Loan/Credit/TF</th>
<th>Status</th>
<th>Currency</th>
<th>Original</th>
<th>Revised</th>
<th>Cancelled</th>
<th>Disbursed</th>
<th>Undisbursed</th>
<th>Disbursed</th>
</tr>
</thead>
<tbody>
<tr>
<td>P091031</td>
<td>IBRD-79240</td>
<td>Effective</td>
<td>USD</td>
<td>25.21</td>
<td>14.71</td>
<td>10.50</td>
<td>0.36</td>
<td>14.35</td>
<td>2%</td>
</tr>
<tr>
<td>P091031</td>
<td>IDA-47550</td>
<td>Effective</td>
<td>USD</td>
<td>38.94</td>
<td>28.97</td>
<td>9.97</td>
<td>11.47</td>
<td>16.19</td>
<td>40%</td>
</tr>
</tbody>
</table>

Key Dates (by loan)

<table>
<thead>
<tr>
<th>Project</th>
<th>Loan/Credit/TF</th>
<th>Status</th>
<th>Approval Date</th>
<th>Signing Date</th>
<th>Effectiveness Date</th>
<th>Orig. Closing Date</th>
<th>Rev. Closing Date</th>
</tr>
</thead>
</table>

Cumulative Disbursements

Restructuring History

Level 2 Approved on 19-Dec-2013, Level 2 Approved on 25-Aug-2015, Level 1 Approved on 17-May-2016
## Related Project(s)

There are no related projects.