

Jal Mahal Project

This is an assignment prepared for classroom discussion and brainstorming. Participants are requested to read the description of the same. The project is based on sustainability and development.

As part of the Swacch Bharat Abhiyan (Clean India Campaign), Rajasthan Government takes the initiative of cleaning up its tourist's sites starting with the pink city Jaipur - Clean and Green Jaipur.

Rajasthan tourism is evaluating consultants to award this contract. The project is on cleaning of the Jal Mahal. Based on the successful outcome of this project, you have a likelihood of being awarded future projects. Your organization is keen on working on this project, as it a first time you will be associated with a Public Sector.

Project Description

The Jal Mahal or water palace can only be viewed from the banks of the lake in which it is situated- it is spectacular and no visit to Jaipur would be complete without visiting this attraction. It helps that the water palace is on the road to the Amber fort- the other must see attraction of Jaipur. Every morning multitudes of people feed the zillions of fish in the lake by throwing bread crumbs into the lake-sometimes together with plastic and other rubbish-it's a sight to see (the former and definitely not the latter).



Project- Your organization is given the following documents:

- Scope statement, Work Breakdown Structure

Scope Statement

Project Name	Rejuvenating Jal Mahal	Date	
Project Number		Project Managers	

Project Objectives
To clean Jal Mahal lake by maintaining minimum adulteration with the aim of ensuring sustainable ecological balance and green leisure tourist spot by 2020

Business Case
Jaipur's historic Jal Mahal and Mansagar Lake, had started resembling a pernicious wasteland lately, with the palace in utter disrepair and the lake filled with garbage. Taking cognizance of the aggravating situation this project will revitalise the lake and restore the monument, in addition to opening up the area as integrated eco-tourism destination.

Project Benefits
1. Clean and Ecologically sustainable Jal Mahal lake
2. Increase in Footfall of domestic tourists by nearly 70% & foreign tourists by nearly 20%
3. Two fold increase in the revenue of Rajasthan tourism board
4. Increase in employment opportunities for local people
5. Enhancement of Rajasthan handicrafts industry
6. Arrival of migratory birds

Technical / Project Requirements
1. Awareness drives sensitizing public
2. Plant Samples for creating wetland
3. Dredging (muck removal) from lake bed
4. Chemical for lake cleaning (CV technology)

Project Deliverables
1. Construction of a channel to divert the city drain
2. Increasing aquatic life to lake via scientific injection of new fish species
3. 4 Bubblers/fountain in the lake
4. Water quality to sustain marine life as per WHO standards
5. Developing nesting islands

Project Does Not Include / Out of Scope
1. Installation of CCTV cameras
2. Parking facility

Success / Acceptance Criteria
1. Biological oxygen demand (BOD) of lake less than 15
2. Completion of drain channel
3. Successful running of 4 fountains
4. Surviving fish species (at least 10)
5. Plantation of 500 trees around the main lake area
6. Developed nesting island

Estimated Project Schedule	
Milestones	Estimated Date of Completion
1. Project Start	19/07/19
2. Construction of channel	18/11/19
3. Dredging (mud cleaning)	31/03/20
4. Cleaning of Lake through biological treatment	31/05/20
5. Development of nesting island	30/08/19
5. Fountain installation	30/09/20
6. Introduction of fishes	10/10/20
7. Plantation of trees	15/10/20
8. Project Completion	19/11/20
Total Estimated Length of Project	15 months

Human Resource Requirements		
Personnel Type / Role	Quantity	Estimated Length of Time
1. Administration	8	16 months
2. Workers	250	15 months
3. Gardeners	10	04 months
4. Environmentalists	5	15 months
5. Engineers	10	15 months
6. Water quality testing Experts	4	03 months

Estimated Cost of Project		
Expense Type	Description	Estimated Cost
Labor		190 Cr
Internal	Unskilled	110 Cr
External	Skilled	80 Cr
Technology	CV technology (imported)	380 Cr
Facilities	Fountains, Drain pipe	250 Cr
Other	Lights, Trees, Fishes	180 Cr
Total Estimated Cost of Project		1000 Cr

Project Constraints
1. Time constraint
2. Cost constraint
3. Technical constraint

Project Assumptions
1. Local cheap labor will be available
2. All resources required for project are available
3. Government support in getting clearances

Decision	
<input type="checkbox"/> Approved	<input type="checkbox"/> Rejected
<input type="checkbox"/> Approved with modifications	<input type="checkbox"/> Deferred

Decision
<input type="checkbox"/> Approved <input type="checkbox"/> Rejected
<i>Required Modifications</i>
<i>Additional Comments</i>

Approver's Printed Name

Date

Title

Signature

WORK BREAKDOWN STRUCTURE

