PROPOSAL FOR REJUVENATION & REDEVELOPMENT OF BADKHAL LAKE
FARIDABAD, HARYANA
Today it is a grassy land with no water; one can see cattle grazing on the lake bed; kids playing; women from nearby village collecting wood for fuel;

Unplanned mining has disturbed Badkhal Lakes’ ecosystem, 2009 Lake got dried up.

Havoc from mineral water companies withdrawing water from the lake for their commercial use;

Once the perineal source of water has become seasonal today; an example of affected hydrological environment.

Waterholding capacity of lake has reduced.

Once it was home to migratory birds

Degraded environment in Aravalli hills

Desaturation of aquifers around the zone

Untreated sewage is let into the lakes contaminating the surroundings.
LEGAL DIRECTIONS

OCTOBER 1996:
The Hon’ble Supreme Court directed that
1. “no construction of any type shall be permitted then onwards within 5 km radius of the Badkhal lake and Surajkund” lakes in Haryana.
2. “the Haryana government to construct a 200 m wide green belt along Surajkund and Badkhal.”
3. “no mining lease should be renewed in the 2-5 km radius unless a no-objection certificate (NOC) is obtained from Central Pollution Control Board and Haryana Pollution Control Board.”

ON 9TH MAY, 2009:
Hon’ble Supreme Court suspended mining in Aravalli Hills. A special bench comprising Chief Justice said "We hereby suspend all mining operations in the Aravalli Hill range falling in the State of Haryana within the area of approximately 448km2 in the districts of Faridabad and Gurgaon including Mewat till Reclamation Plan duly certified by State of Haryana, MoEF and CEC is prepared".

TO DO LIST

ITS DO IR DIE, SO WE HAVE TO:
1. Revive and preserve the lake
2. Rejuvenate the ARAVALLI HILLS to improve catchment zones
3. Awareness on HUMANE environment : a step towards building SUSTAINABILITY
4. Learn TO LIVE WITH NATURE : understanding our actions and its acceptance to the nature, its flora and fauna
5. Bringing the LOCAL HERITAGE TO LIFE
6. Introducing Sewage treatment Plants and let treated water routed to lake
7. Restore drainage channels : REMOVE ENCROACHMENTS AND CLEAN storm water drains & buffer zones
A STEP TOWARDS CONSERVATION OF THIS HYDROGEOLOGICAL HERITAGE

Badkhal lake is a respite to the nations Industrial Hub, Faridabad. The City has beautiful history as old as 16th century and even has religious relics of Mahabharata. Once a destination for picnics, boating and a view point for sunset, is all set to be revamped and bring the nature back to us.

MAIN FOCUS IS ON HEALTHY ECO TOURISM:

1. Balancing ecosystem
2. Barrier free experience : tactile
3. Onset of Migratory birds (ornithology)
4. Know faridabad city and its surrounding Culture
5. Promoting local crafts and skill with hands-on workshops
6. Promoting heritage tours and travels
7. History of lake and its impact around
8. Kids park
9. Open air gym
10. I- Centre (Information Centre)
11. Boating
12. Sky cylcing
13. Rappling
14. Cctv
15. Medical help zone
16. Cycle / bike sharing zones
17. Signage
18. Dedicated eco auto stand
19. Dedicated car park zones
20. A place for botanist
21. Areas to plant and learn composting
22. Reviving fish farming
23. Avoid wifi ; which affects birds and bees
24. Avoid vendors and cafes on the lake walkway and keep it clean
25. Dedicated areas of vendors near the badkal village road
26. Cafes be located near Motel : by improving its connectivity to Lake walkway
27. revive old culture of Camel-Horse riding
1. PEACOCK LAKE 9.6km
2. SURAJKUND 9.7km
3. SARAI KWHAJA 11.2km
4. TILPAT VILLAGE 10.4km
5. KOS MINAR 9.8km
6. BARAHI TALAB 5.6km
7. BADHKAL LAKE 00km
8. MUGHAL BRIDGE 11kms
9. GOLF COURSE 4.4km
10. GURUKUL 5.4km
11. DHAUJ 13.3km
12. NAHAR SINGH MAHAL 14.3km

* distances to all mentioned destinations are marked from Badkhal lake
1. Railing

Inspired by the architecture of Raja Nahar singh palace, all the street elements reflect the same style of architecture giving it a heritage look. Drinking water sprout is been proposed at regular intervals.

Blown up plan: refer master plan for location

Landscaping is done using various local plants by creating a pattern on the land nurturing the wide biodiversity of flora and fauna of Faridabad.
DEDICATED FEEDERS FROM THE METRO STATIONS TO THE BADKHAL LAKE IS PROPOSED, WITH INCREASE IN FREQUENCY DURING WEEKENDS AND EVENTS.

ECO AUTO FOR THE CONNECTIVITY FROM THE NEAREST BUS STAND TO THE LAKE.
BADKHAL: ARTERY FOR LIFE

SIGNAGE

1. HEADER - INFORMATION
2. STREET NAME / WARD NO
3. DIRECTIONAL INFORMATION
   ACTIVITY ZONE
4. BADKHAL LAKE AND
   SURROUNDING MAP
5. BRAILLE / TACTILE SIGN
6. DETAILED MAP
   BADKHAL LAKE
HERITAGE TOUR
Introducing Heritage sites in and around the city of FARIDABAD either walk-cycle or eco-bus tours. An opportunity to see origin of lake, origin of Faridabad as a pictorial depiction of Hi-story. Promoting art.....

DANCE - MUSIC - THEATRE
A beautiful and peaceful setting to let our souls enjoy the be part of culture

LOCAL SKILLS
With urbanization hands-on learning experience has lost, such tourist spots are a great learning experience with nature. An opportunity for youngsters to get away from gadgets and be with clay modelers – weavers-potters.

Historical Pictorial depiction On Lake walkway

An example
BADKHAL : ARTERY FOR LIFE

BE CLOSE TO NATURE

BOTANICAL GARDEN
With wide range of flora in place the Lake would be great hub of plant enthusiasts. A place for school children, educators and horticulturists to share and gain knowledge.

BIRD WATCHING
Migration is an old phenomenon which depends on our vegetation-climate-water availability: Providing place for bird watchers & for ornithologist study.

COMPOSTING (learn Hands on)
With Swachta Abhiyan happening though out the country, such Public spaces with existing Motels-Bars & Restaurants provides an opportunity to learn and explore Waste Segregation and Composting.

Litter bins of different colour codes will provided to ease of segregation at Public level.
**FISH FARMING**
A source for both Revenue generation and employment for the fishing community. A dedicated zone marked in the proposal to allow fish farming and have an healthy aquatic ecosystem.
- an opportunity for nearby villagers to earn livelihood.
- provide technical and financial assistance
- To create a class of trained fish farmers in the state.

**MEDICAL CENTRE**
A tourist hub with various sport activities, Cultural performances and with all age groups being part of the lake, need for Medical care can not be ruled out. Even this will be the added advantage for the nearby villages who are in need of Medical facilities.

**EATERIES**
The avenue of walkway is beautiful in the lap of sunset and Heritage inspired landscaped elements. To keep it litter free, we prefer to keep Lake walkway free from Vendors and Cafes. With existing Motels and Restro- Bar, the new Eateries has been zoned closer to these. We believe inculcating Family Picnic with peace and leisure.
A part of the lake is utilized for water sport activities, hence not disturbing the entire lake. The other part is utilized for fishery.

Boating, open gym, rappelling, sky cycling and other mountaineering activities are the part of the proposal. Dedicated play area for kids is also included.

Pedal boating and row boating, instead of motorized boats are proposed to avoid disturbance to the marine creatures.

Boating being one of the main activity attracts tourists. One can get to experience the nature and aquatic life (fish, migratory birds).

Sun set in badkhal lake being famous will attract tourists.

Telescopes are provided at various locations for bird watching for nature enthusiasts.

Sky cycling, being an adventurous sport have cables across the lake connecting aravalli hills on the other side of the lake.
Geologically an Obstruction free catchment for Badkhal lake
Geologically the catchment area is made up of quartzite which is hard and massive and devoid of any primary porosity. The several phase of deformation and prolonged weathering on these Proterozoic quartzite have generated secondary porosity in the form of fracture, joints and weathered mantle. The catchment area in large part is totally barren and devoid of any soil cover. There is no habitation in the catchment and therefore no abstraction of water for domestic or irrigation use.

A Macro level study is important to understand because all waterbodies are interconnected either at Surface level or Sub Surface level. Any development or disturbance to our water sources will lead to what is Badkhal today. Lets be thoughtful, sensitive, responsible and sustainable in view of water sources.
http://www.downtoearth.org.in/news/badkhal-lake-dries-up-31253

http://lakebadkhal.blogspot.in/2015/02/history.html


