

Sub :- Beautification and development of recreational facilities of Mataria talav of Bharuch.

Introduction and preamble

Bharuch city was known as a 'Bhrugukutch' in ancient India which is located at the bank of river Narmada and on N.H.No. 8 between Baroda and Mumbai. This district is well known for Agricultural product of 'TUR-DAL', Cotton, Bajara etc. Oil exploration put this district on the world trade platform. Bhrugukutch was also an important harbour on the western coast of India, and was connected with other continents with marine trade. That means that Bharuch has its own ancient trade culture.

Nowadays this cultural has stalled again by developing industries with trade at various places i.e. Ankleshwar, Panoli, Dahej, Zagadia with world known organizations of Chemical, Petrochemical, Glass industries, Engineering units etc. which has subsequently lifted the image and gave new horizon to the Bharuch.

With above Bharuch district is surrounded with world famous organizations like Well Span, Birla Copper, GACL, IPCL, GNFC, NCPL, NTPC, Asian Paints, Borosill, Gujarat Gardian and also cotton process units. The Bharuch is being a district centre and City has increased its social potential by increase of industrial potentials.

All parts of district like Ankleshwar, Panoli, Zagadia, Dahej, Valia, Bharuch increasing with industrial potential has opened a Golden Corridor and also spreader a red carpet for marine trade which has resulted for cropping a chemical terminal port. This has given weightage and pressure to the social and economic development of the District.

Socio economic experts have also envisaged the Bharuch will be one of the most well known business and industrial centre in the country. This has also increased the population to 1.5 lacs in last decade. Increase of industrial growth in the area has also stated addition in population and migrations of people from other state and district of the country, which may become Cosmopolitan city like other cities and has put up lots of pressure for recreational and social development of the Bharuch area.

With above it is concluded that history repeats itself and true for the Bharuch, that it securing its glory and dignity of trade again with all types of modern development and techniques.

Why Mataria to be developed as recreation centre.

High growth of industrial development can be achieved by providing high quality recreational day today and week end facilities within surrounding area. The local authorities like Nagarpalika and other local bodies pressurized by industrial development for such activities to increase the morale of people for helping up of development. The 'Bhrugukutch' is one of the ancient religious,

business trade centre city and harbor the area is full of such places, where social and recreational development our help to ad the liking of people and other entrepreneur to establish their units in the district and add to the socio-economic development. Also it will add liking of the public for culturally and social development.

Bharuch Nagar Palika is being a local authority of Bharuch and it should look into seriously for such type of centers with help of either government, NGO or social group of the city or by with help of central government aids. Such type of social and cultural recreational centre will help and attract the entrepreneurs for industrial development, means that it is now very essential to develop recreational centers.

Locations

The social entertainment with recreational centre can be viewed at various places of district location like at Zadeshwar, Madhi (Kabirvad), Aliabate, Mataria talav etc.

Zadeshwar is near Bharuch and adjoining N.H.No.8 and have developed with hotels, religious and spiritual centers with temples etc. and about 8 K.M. from the city area.

Ali bat also yet to be developed and at present GNFC is working for its agricultural development. It is apart 30 K.M. distance from the city.

Mataria talav, it self is in the Bharuch city and also easily approachable with a walking distance. Surrounding is developed with housing societies and commercial complexes etc. which has a great potential to develop as a recreational centre. It is also observed that social and economical growth of Bharuch city and district and also industrial a Mataria can be developing as a recreational and public place. It is very true that along with industrial growth public require such relax and recreational centre, which has put up pressure to the Bharuch Nagar Palika by increaring population from 70000 to 150000 in last decade and which will be double in next coming years. Such centers will certainly help to the social growth and people will like and will help the fast industrial growth of the district.

Alternatives for development of Mataria

Alternative-1

Bharuch Nagar Palika is also working for its alternate water supply project using Mataria talav area partly for its filtration plant and filter water storage reservoir. With this it is doubt during heavy shower and continuous shower, Mataria can be overflow with flood and will affect the working of plant.

Alternative-2

Mataria it is used for water supply project for raw water reservoir filter plant, Storage etc. along with side drain during the heavy rain and if any obstruction or upstream of drain can overflow the drain and plant and reservoir likely to be affected.

Alternative-3

Considering the total area of talav to act as a water supply project i.e. a raw water reservoir, filtration plant, storage reservoir. The surrounding of raw water reservoir can be act as a recreational centers also in this case the storm water is to be diverted with new drain after detail study with this it is doubt also that raw water likely get polluted by surrounding development of centers.

Alternative-4

As stated in introduction it is very safe and economical to develop as a recreational centre with surrounding binding road development lightening, boating club etc. This will helps Surrounding tube wells, sells to increase water level, social and cultural activities, and also will be partly picnic point.

Cost aspects of development

- It is consider that there is no encroachment of land.
- To be develop fully as a recreational and picnic centre.
- Bharuch Municipal body will maintain the centre with quality and with skilled staff.
- No other entry of water shall be allowed other than storm water from main drain.
- Slops will be done with Engineering profile and will be pitched with C.C. block. Top will be 7 meter wide lowed road with proper lighting, seating arrangement at regular intervals, parking arrangement and esthetic approach. The boundary of water area will be fenced with partly brick and partly with decorative grill work.
- Talav can be use for boating also.

Approximat estimate

- To arrive at estimated cost for approval the peripheral length 2500 is consider.
- Embankment / bund will have a total width 9 met. At top with slope of 1:3 assume.
- Road will paved 7 met.
- Inside slope will be protected with C.C. block.
- Bottom will be done with impervious layer.

Estimate Value

(a)	Earth work for road and embankment. 2500 x 135 x Rs 200/M3	Rs. 6,75,00,000
(b)	Road work 2500 X 7 X Rs. 500	Rs. 87,50,000
(c)	Fencing work	
	C1 – Brick work 2500 x Rs. 800	Rs. 20,00,000
	C2 - Grill work 2500 x 2 x 20 Kg/m x Rs. 50	Rs. 50,00,000
(d)	Lighting pole 100 No. x Rs. 25000	Rs. 25,00,000
(e)	Seats 125 No. x 2500	Rs. 3,12,500
(f)	Parking with lighting	Rs. 10,00,000
(g)	Boating club house with repair room	Rs. 2,00,000
(h)	Boats	Rs. 10,00,000
(i)	Slop pitching with C.C. block 20 x 2500 x Rs. 50	Rs. 2,50,00,000
(j)	Bottom development 700x300x Rs.200	Rs. 4,20,00,000
(k)	Horticultural development	Rs. 10,00,000
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		Rs. 15,62,62,500
	Add 15 % Supervision +	Rs. 15,62,62,500 Rs. 2,34,39,315
	Charges	----- Rs. 17,97,01,875
	Say	Rs. 17,98,00,000/-

Note :- upstream drain area if to be done with regular Engineering section and with lining Rs. 10,00,000 will be an additional cost.