

**Vishwaniketan's
Institute of Management Entrepreneurship &
Engineering Technology [iMEET]**



REPORT ON: -

**VISIT TO MADHUBAN DAM AT DADRA NAGAR
HAVELI**

VISIT DATE: - 16th SEPTEMBER 2019

DEPARTMENT OF CIVIL ENGINEERING

INDUSTRIAL REPORT

Madhuban Dam is located in Dadra Nagar Haveli. We visited to Madhuban dam on 19th Sep 2019. The river is connected to the Madhuban dam is named as Dhamanganga from Nashik having a slope of 6.65m. Dhamanganga is also called as Dawan River.

Constructed of Madhuban Dam was started in 1972 and completed in 1987. Total catchment area of Madhuban Dam is 1813m² and the gross storage is the 525mcl. Madhuban Dam has been provided with 10 gates and the day on we visited 5th gate was opened. The size of gates is 15.55 x 14.04m. The average excess water is 37000 million cubic meters.

FRL for the dam is 79.86m (on 78.80m). Madhuban dam provided with three types of motor i.e. diesel pump, electricity pump, diesel generator motor of 15 HP is used. The crane used is of 1.5 megawatt. Three number of turbines has been used. And the turbine of 2.7 megawatt is used for canal operation of capacity 5.6 megawatt. The construction of canal is completed in 2000.

BPO i.e. By Pass Outlet is provided to pass the returned water to the manhole through pipes. The radial type of gate has been used and the apron provided is of roller bucket type. The spillway provided on the downstream side of dam is ogee type of spillway. Spillway is a constructed at a dam site for effectively disposing of the surplus water.



Madhuban dam is the composite dam. It is the multipurpose dam. i.e. water from this dam is used for domestic purpose, industrial purpose and electricity generation. Also, v-notch type notch is used for this dam. Notch is a structure over which water flows and it is made of masonry or concrete. The annual revenue of this dam is over 100cr.

The current raining is 125-130mm and max that is 3780mm. the maximum discharge of the dam is 6.68lacumec which was occurred in 2004.



FIGURE PHOTO: MADHUBAN DAM, DADRA AND NAGAR HAVELI