

vadan

The department of mechanical Engineering neering. R. H. sapat college of engineering organized a one day's virtual educational visit to bhandardara power plant. In akola tahsil. maharashatra. on 5th Feb 2021 For T.E mechanical engineering student.

General Information Purpose of visit

for main purpose for this visit is familiean with hydrotectric power plant, and to get practical knowledge and and how we apply our theoretical knowledge in real application. In virtual visit total 144 students of 5th semester, and we got clear idea about hydrotectric power plant and it component, and bow it's working.

Gokhale Education Society's R. H. Sapat College of Engineering, Management Studies & Research, Nashik - 5.

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late of the second	we studied following points in virtual
	visit.
	about plant;
	Bhandardare Hydroelectric power
	system in maharashtra.
7	This infrastructure is type of
	Hydro power plant with design
No.	Capacity of 46 mwe
1 12 1	it has a unites). The first unit
A	was commissioned in 1986 & last
	in 1996
	. it builded on pravara river.
	Unit Information
	Unit-01
	Capacity - 12 mwe (1986)
	Turbine type: Fransis
	apeed 3 375 rpm
	Hydroulic hed : 69.18 m
	, grade (17)
	Unit-02
	Capacity: 34 Muce (1996) turbine type: kaplan
	anged : 27 p = 12
7. A.	Speed: 187.5 JPM
	Hydraulic head? 50 m

	For both well a bise consentor
	For both unit turbine & generator made: by BHEL, Bhopal, India
	MACL, ISTOPER,
	10101
	Component of Hydroelectric power
	plant
	. The water Plowing in the niver
	comprises of kinetic energy
	potential energy. In hydroelectic pour
	plant and the potential energy of
	coater is utilized to product electr-
	City.
) Impeller
	2) Shaft
14. 4. 22	3) Runner
	4) casing
	5) The penstock
	6) water turbine
	2) Generator
	8) prapt tube.

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4 84	selection of site for hydroelectro power plant on basis of following points
	- Availabity of coater
}	- storage of coaten
	- Transportation facilities
	Advantages
	1) Renewable source energy 2) Economical source of power 3) Mon-polluting and hence environment
	s) plant equipment is simple
	Disachrantages
P	D susceptible to voigances of nature
	2) longer construction period and high
	3) high cost of transmission system for remote site
	그리고 있는 사람들이 되었다. 그는 사람들이 되었다면 하는 사람들이 되었다.

pesanion General Layout of Hydro electric power plant Sungerank N02216 House Generados -turbine

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Conclusion

From this virtual visit, 144 students

of sth got the information about the

Hydro electric power plant, its

component and its working, we

also studied the various type of

turbine.