

From  
 Vishwanatha Bhat  
 Assistant Professor  
 Department of Civil Engineering  
 SDM College of Engineering & Technology-Dharwad

To  
 The Principal  
 SDM College of Engineering & Technology-Dharwad

17<sup>th</sup> Oct. 2022

(Through: Head, Department of Civil Engineering)

Respected Sir,

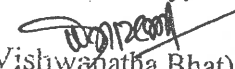
Sub.: Request to grant permission for conducting a Field Visit, and to seek permission from KPCL. -reg.

The students of Civil Engineering Department, studying in V-Semester are taught with a core subject- Hydrology and have already undergone course on Hydraulics and Hydraulic Machines in previous semester. The course outcomes of the above said subjects aim at understanding hydraulic components and machines (CO-2), meteorological stations and reservoirs (CO-2,4). To address these outcomes, a one-day field visit to Supa Dam situated at Ganesha Gudi has been planned on 9<sup>th</sup> November 2022.

In this regard, I request you to kindly grant permission for the above visit and for using the college bus. The expenditure of fuel and lunch are borne by the students.


Thanking you,


Yours sincerely,

  
 (Vishwanatha Bhat)

- Academic visit- to facilitate better understanding of the
- Forwarded for consideration & approval pl.

Permitted

  
 18/10/22

  
 18/10



SDME Society (Regd.) Ujire, D.K.  
SDM COLLEGE OF ENGINEERING & TECHNOLOGY  
DHAVALAGIRI, DHARWAD-580 002 (India)

Phone: (0) 2447465/248327/2435307/2447464 (R)

Fax: 0836-2464638

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E-Mail: [principal@sdmect.ac.in](mailto:principal@sdmect.ac.in) / [cet.sdm@gmail.com](mailto:cet.sdm@gmail.com)  
Website: [www.sdmect.ac.in](http://www.sdmect.ac.in)

Ref. No. SDMCET <sup>CV</sup> 1185/20 22-23

Date: 18 OCT 2022

17<sup>th</sup> Oct. 2022

To

The Deputy General Manager (Corporate Communication)

Karnataka Power Corporation Ltd. (KPCL)

Race Course Road, Bengaluru-560 001

Dear Sir,

Sub: Seeking permission to visit Supa Dam and Power House at Ganesha Gudi, Uttara  
Kannada Dist. -reg.

B.E. 5th semester Civil Engineering students of our college would like to visit Supa Dam,  
drainage gallery and Power House at Ganesha Gudi on 9<sup>th</sup> November 2022. We request you to kindly  
grant permission for their visit.

Total No. of students: 104

Faculty members coordinating the visit:

Mr. Vishwanatha Bhat, Asst. Professor  
Cell: +91-7204167771

Mr. Suresh Hubballi, Asst. Professor  
Cell: +91-7411992679

Mrs. Shruthi K., Asst. Professor  
Cell: +91-8277655518

With regards,

(Dr. K. Gopinath)

Principal

# Industrial visit to Supa Dam

1. Name

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2. USN

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3. Division

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Google Forms



KPCL

ಕರ್ನಾಟಕ ವಿದ್ಯುತ್ ನಿಗಮ ನಿಯಮಿತ

KARNATAKA POWER CORPORATION LTD.,  
(A major power generating company of Government of Karnataka)

CHES5110KA1970SGC001919

೧/೨

ಸಂಖ್ಯೆ:ಎ1 ಎ6 ಎ ಸಿಸಿ: 1969

ದಿನಾಂಕ:21.10.20

ಪ್ರಾಂಶುಪಾಲರು,  
ಎಸ್‌ಡಿಎಂ ಕಾಲೇಜ್ ಆಫ್ ಇಂಜಿನಿಯರಿಂಗ್ & ಟೆಕ್ನಾಲಜಿ  
ದವಳಗಿರಿ  
ಧಾರವಾಡ-580002  
ದೂರವಾಣಿ-0836-2447465  
ಮಾನ್ಯರ,

ವಿಷಯ: ಸೂಪರ್ ಡ್ಯಾಂ ಪವರ್ ಹೌಸ್/ಗಣೇಶಗುಡಿ ಖೋಜನಾ ಪ್ರದೇಶಗಳನ್ನು ಸಂದರ್ಶಿಸಲು ಅನುಮತಿ ಕುರಿತು.  
ಉಲ್ಲೇಖ: ನಿಮ್ಮ ಪತ್ರ ದಿನಾಂಕ:18.10.2022

ಯೋಜನಾ ಪ್ರದೇಶಗಳನ್ನು ಸಂದರ್ಶಿಸಲು ತಾವುಗಳು ಬರೆದುಕೊಂಡ ಉಲ್ಲೇಖ ಪತ್ರದಲ್ಲಿ ತಿಳಿಸಿರುವಂತೆ ಉತ್ತರ ಕನ್ನಡ ಜಿಲ್ಲೆಯಲ್ಲಿರುವ ಸೂಪರ್ ವಿದ್ಯುತ್‌ಗಾಗಲೂ ಯೋಜನಾ ಪ್ರದೇಶವನ್ನು ದಿನಾಂಕ:09.11.2022 5ನೇ ಸೆಮಿಸ್ಟರ್‌ನ ಸಿವಿಲ್ ವಿಭಾಗದ 1 ವಿದ್ಯಾರ್ಥಿಗಳ ಹಾಗೂ 03 ಉಪನ್ಯಾಸಕರು/ಸಿಬ್ಬಂದಿ ಸೇರಿ ಒಟ್ಟು 107 ಸದಸ್ಯರಿಗೆ ವೀಕ್ಷಿಸಲು ಈ ಮೂಲಕ ಅನುಮತಿ ನೀಡಲಾಗಿ (ನಾಗರೂರಿ ಪವರ್ ಹೌಸ್/ಅಂಬಿಕಾನಗರ ಈ ಪ್ರದೇಶಕ್ಕೆ ಅನುಮತಿ ನೀಡಲಾಗುವುದಿಲ್ಲ). [ಭೇಟಿಯ ಸಮಯ: ಬೆಳಿಗ್ಗೆ 9.00 ಘಂಟೆಯಿಂದ 12.00 ಘಂಟೆಯವರೆಗೆ ಮತ್ತು ಮಧ್ಯಾಹ್ನ 2.00 ಘಂಟೆಯಿಂದ 4.30 ಘಂಟೆಯವರೆಗೆ ಮಾತ್ರ - ಶನಿವಾರ ಬೆಳಿಗ್ಗೆ ಮಾತ್ರ

ಈ ಅನುಮತಿಯು ಕೆಳಗಿನ ನಿಬಂಧನೆಗಳಿಗೆ ಒಳಪಟ್ಟಿರುತ್ತದೆ.

- 1) ಸಂಸ್ಥೆಯ ಮುಖ್ಯಸ್ಥರಿಂದ ಪಡೆದಿರುವ ಗುರುತಿನ ಚೀಟಿಯನ್ನು (Identity card) ಹಾಜರು ಪಡಿಸಲು ಸೂಚಿಸಲಾಗಿರುತ್ತದೆ. ಗುರುತಿನ ಚೀಟಿ ಇಲ್ಲದಿದ್ದ ಪಕ್ಷದಲ್ಲಿ ಮುಖ್ಯಸ್ಥರಿಂದ ದೃಢೀಕರಿಸಿರುವ ವಿದ್ಯಾರ್ಥಿಗಳ ಮತ್ತು ಉಪನ್ಯಾಸಕರ ಹೆಸರುಗಳ ಪಟ್ಟಿಯನ್ನು ಕಡ್ಡಾಯವಾಗಿ ಹಾಜರು ಪಡಿಸಲು ಸೂಚಿಸಲಾಗಿದೆ. ಯೋಜನಾ ಪ್ರದೇಶಗಳಿಗೆ ಭೇಟಿ ನೀಡುವವರು 2 ಬಾರಿ ಕೋವಿಡ್ ಲಸಿಕೆಯನ್ನು ಪಡೆದ ಬಗ್ಗೆ ದಾಖಲೆಗಳನ್ನು ಒದಗಿಸುವುದು.
- 2) ಪಟ್ಟಿಯಲ್ಲಿರುವವರನ್ನು ಭಾರತೀಯ ಪೌರರೆಂದು ದೃಢೀಕರಿಸಬೇಕು. ಇಲ್ಲದ ಪಕ್ಷದಲ್ಲಿ ಅನುಮತಿಯನ್ನು ನಿರಾಕರಿಸಲಾಗುವುದು. ವಿದೇಶಿಯರಿಗೆ ಯೋಜನಾ ಪ್ರದೇಶಗಳಿಗೆ ಅನುಮತಿ ನೀಡಲಾಗುವುದಿಲ್ಲ.
- 3) ವಿಡಿಯೋ/ಮೊಬೈಲ್/ಕ್ಯಾಮರಾಗಳನ್ನು ಯೋಜನಾಪ್ರದೇಶದ ಒಳಗೆ ತೆಗೆದುಕೊಂಡು ಹೋಗುವುದನ್ನು ಹಾಗೂ ಫೋಟೋಗಳನ್ನು ಸೆಲ್ಫಿ ತೆಗೆಯುವುದನ್ನು ನಿಷೇಧಿಸಲಾಗಿದೆ.
- 4) ವಿದ್ಯಾರ್ಥಿಗಳು 16ವರ್ಷ ಮೇಲ್ಪಟ್ಟವರಾಗಿದ್ದು ಸಂಸ್ಥೆ/ಕಾಲೇಜು ಮುಖ್ಯಸ್ಥರುಗಳು ಕಡ್ಡಾಯವಾಗಿ ತಂಡದೊಂದಿಗೆ ಇರಬೇಕು. ವಿದ್ಯಾರ್ಥಿಗಳ ರಕ್ಷಣೆಯ ಜವಾಬ್ದಾರಿ ಸಂಸ್ಥೆ/ಕಾಲೇಜಿನ ಮುಖ್ಯಸ್ಥರುಗಳಿಗೆ ಸೇರಿರುತ್ತದೆ.
- 5) ಯೋಜನಾ ಪ್ರದೇಶದಲ್ಲಿ ಆಹಾರ ಸ್ವೀಕರಿಸುವುದು, ಮನೋರಂಜನೆ ಮತ್ತು ಖಾಸಗಿ ವಾಹನಗಳಿಗೆ ಅವಕಾಶವಿರುವುದಿಲ್ಲ.
- 6) ಯೋಜನಾ ಪ್ರದೇಶದಲ್ಲಿ ನಿಗಮದ ಯಾವುದೇ ಆಸ್ತಿ-ಪಾಸ್ತಿಗೆ ಹಾನಿ ಉಂಟುಮಾಡುವಂತಿಲ್ಲ. ಒಂದು ವೇಳೆ ಪ್ರಾಣ ಹಾನಿ ಮತ್ತು ಭಾವಾತ್ಮಕವಾಗಿರಬಹುದಾದುದು ಹಾಗೂ ನಿಗಮದ ಆಸ್ತಿ-ಪಾಸ್ತಿಗೆ ಧಕ್ಕೆ ಉಂಟು ಮಾಡಿದಲ್ಲಿ ಸಂಪೂರ್ಣ ವೆಚ್ಚವನ್ನು ಭರಿಸಿ ಕೊಡಲಾಗುವುದೆಂದು ಪ್ರಮಾಣ-ಪತ್ರದ ಮುಚ್ಚಳಕೆಯನ್ನು ಭೇಟಿ ನೀಡುವ ಸಂದರ್ಭದಲ್ಲಿ ಯೋಜನಾ ಪ್ರದೇಶದ ಮುಖ್ಯಸ್ಥರುಗಳಿಗೆ ಕಡ್ಡಾಯವಾಗಿ ನೀಡತಕ್ಕದ್ದು. ಈ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ನಿಗಮವು ಯಾವುದೇ ರೀತಿಯ ಜವಾಬ್ದಾರಿಯನ್ನು ಕೊಂಡಿರುವುದಿಲ್ಲ ಹಾಗೂ ಭೇಟಿಯ ಸಂದರ್ಭದಲ್ಲಿ ಕೋವಿಡ್-19 ನಿಯಮಾವಳಿಗಳನ್ನು ಪಾಲಿಸಲು ಕೋರಲಾಗಿದೆ.

ಸಂದರ್ಶಿಸುವ ತಂಡವು ಯೋಜನಾ ಪ್ರದೇಶಗಳನ್ನು ಪ್ರವೇಶಿಸಿದ ನಂತರ ಭೇಟಿಯ ವ್ಯವಸ್ಥೆಗಾಗಿ ಮುಖ್ಯಸ್ಥರನ್ನು (ಸಿವಿಲ್) ಕಾಳಿ, ಕೆಪಿಸಿಎಲ್, ಗಣೇಶಗುಡಿ-581 365, ಉತ್ತರ ಕನ್ನಡ ಜಿಲ್ಲೆ ದೂರವಾಣಿ: 08383-256522 ಇವರನ್ನು ಸಂಪರ್ಕಿಸುವುದು.

ವಂದನೆಗಳೊಂದಿಗೆ,

ತಮ್ಮ ವಿಶ್ವಾಸಿ,  
ಕರ್ನಾಟಕ ವಿದ್ಯುತ್ ನಿಗಮ ನಿಯಮಿತದ ಪರವಾಗಿ,

ಶ್ರೀ ಶಿವಶಂಕರ್  
- ಕರ್ನಾಟಕ ವಿದ್ಯುತ್ ನಿಗಮ ನಿಯಮಿತದ ಪ್ರತಿನಿಧಿ  
ವ್ಯವಸ್ಥಾಪಕರು (ಕಾರ್ಪೊರೇಟ್ ಕಮ್ಯುನಿಕೇಷನ್)  
ಬಿ.ನಿ. ನಾಯಕ್

ಉಪ ಪ್ರಧಾನ ಪ್ರಬಂಧಕರು  
ಉಪ ಕೋರ್ಸ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು-560 001. ದೂರವಾಣಿ : 080-2225 6568. ಫ್ಯಾಕ್ಸ್ : 080-2225 2144  
32, Race Course Road, Bengaluru-560 001. Tel. : 080-2225 6568 Fax : 080-2225 21 4  
Email : kpcleccmpa@gmail.com Website : www.karnatakapower.com

**SDM College of Engineering and Technology-Dharwad**  
**Department of Civil Engineering**

*Undertaking by Student*

I have read and understood the information mentioned below:

- I will abide by the rules and regulations lay-down by the Institute and Industry.
- I am participating in this visit by my own wish.
- I will maintain utmost discipline and uphold the dignity of the institution during this visit.
- I will not deviate from the schedule of the visit.
- I know that I will be held responsible for the damage/losses caused due to my negligence/interference during this visit.
- I will take utmost care about myself.

USN	Name	Signature
2SD20CV072	Vinayak S Vennekari	
2SD20CV005	Akhillesh S. Thangar	
2SD20CV073	Vinayak U. Chel	
2SD20CV079	Gulshan Kumar	
2SD20CV050	Sayeed ulfaath. S	
2SD21CV412	Nihal. m. Naikwadi	
2SD21CV411	Nandita. Y. Hawas	
2SD20CV035	Rahul. B. Biradar	
2SD20CV054	Shilpa. R. Biradar	
2SD20CV031	Pallavi. Basavaraj. Madalli	
2SD21CV415	Pooja. M. Yadiyapur	
2SD21CV405	Jahnavi. A. Goravanakoli	
2SD20CV074	Vinod. M. Inamati	
2SD20CV061	Sandeep. S. Patti	
2SD20CV013	Deepak. L. V	
2SD21CV421	Vijay Ekbole	
2SD20CV069	Vinay Goudar	
2SD20CV068	Sunilay. S. Hiremath	
2SD20CV017	Harsha M. Angadi	
2SD20CV023	Lekshmi. M. Banam	
2SD20CV043	Saikumar. Jagatap	
2SD20CV057	Siddalingesh. G. Hallad	
2SD20CV077	Ashrafkhan. Musafir	
2SD21CV404	BHATRATH. U.	
2SD21CV419	SOURAV PHATKE	
2SD21CV418	SINDHU DIVATE	
2SD21CV414	PAVITRA A K	
2SD21CV416	PRATIKSHA	
2SD20CV022	KIRAN BARGI	
2SD21CV407	B. M. NAVEEN KUMAR	
2SD21CV417	RACHUVEERA	
2SD20CV071	VINAY. R. K	
2SD21CV410	Mohammed Shoab Pasdewale	
2SD20CV036	Rahul M. Mahajanekar	

2SD20CV034	Prajwal .M. Nyamagond	Prajwal Nyamagond
2SD20CV024	Mantuh . Managoli	Mantuh Managoli
2SD17CV097	Varun .R. Anahure	Varun R. Anahure
2SD21CV408	Mohammad Faisal . M. Khaji	Mohammad Faisal M. Khaji
2SD20CV002	AKASH . NAIK	AKASH . NAIK
2SD20CV004	AKASH . LAMANT	AKASH . LAMANT
9SD20CV039	Pallavi . S	Pallavi . S
2SD20CV059	Spurthi Adag	Spurthi Adag
2SD20CV015	Dhya Irkal	Dhya Irkal
9SD20CV030	Pallavi . B. Kuruvinalappa.	Pallavi . B. Kuruvinalappa.
2SD20CV025	MATADA . GURUBASAVARAJ	MATADA . GURUBASAVARAJ
9SD20CV055	SHREEKANTH.	SHREEKANTH.
2SD20CV019	Kartik Sajjanar	Kartik Sajjanar
2SD20CV009	Basavaraj . S. Girisayppanna	Basavaraj . S. Girisayppanna
2SD20CV040	Ravikiran . S	Ravikiran . S
2SD20CV001	Akash . W	Akash . W
2SD21CV403	Avinash . P. Pawar	Avinash . P. Pawar
2SD21CV404	Akash . A. Garag	Akash . A. Garag
2SD21CV400	Akash . M. S	Akash . M. S
2SD21CV417	Raghavendra Reddy	Raghavendra Reddy
2SD21CV407	M. Navin Kumar	M. Navin Kumar
2SD20CV077	Adarsh . M. B	Adarsh . M. B
2SD20CV006	Amit . V. Gurav	Amit . V. Gurav
9SD20CV070	Vinay . N. Chigari	Vinay . N. Chigari
2SD20CV016	Gopalam . A	Gopalam . A
2SD20CV028	Nayana . Tuppad	Nayana . Tuppad
2SD20CV042	Saikiran . Naik	Saikiran . Naik
2SD20CV049	Sardar . C. Suryavanshi	Sardar . C. Suryavanshi
2SD20CV062	Swathi . Potadi	Swathi . Potadi
2SD20CV033	Pavithra	Pavithra
2SD20CV021	Kavya	Kavya
2SD20CV056	Shweta	Shweta
2SD20CV027	Muskan	Muskan
9SD20CV063	Syeda Aisha Banu	Syeda Aisha Banu
2SD20CV081	Bhimambika	Bhimambika
2SD20CV017	Ilasha	Ilasha
9SD20CV018	Karthik Garag	Karthik Garag

**Supa Dam Visit  
Student list**

Sl.No.	NAME	USN	DIV.
1.	SIDDALINGESH HALLAD	2SD20CV057	A
2.	VEERESHA B PALLED	2SD21CV420	A
3.	SANDESH ADRUSHAPPA HANCHINMANI	2SD20CV046	A
4.	PALLAVI BASAVARAJ KURUVINAKOPPA	2SD20CV030	A
5.	POOJA M YADIYAPUR	2SD21CV415	A
6.	NIHAL AHMED NAIKWADI	2SD21CV412	A
7.	KARTHIK	2SD21CV406	A
8.	SAYED ULFATH S	2SD20CV050	A
9.	KASHFIYA T NAIKWADI	2SD20CV020	A
10.	MASTER AMAN KUMAR	2SD21CV409	A
11.	JAHNAVI GORAVANAKOLL	2SD21CV405	A
12.	MANTESH MANAGOLI	2SD20CV024	A
13.	SAGAR SHANKARAPPA HADIMANI	2SD20CV041	A
14.	AKHILESH	2SD20CV005	A
15.	RAJARAKSHIT UDAPUDI	2SD20CV037	A
16.	VINAY GOUDAR	2SD20CV069	A
17.	MOHAMMED SHOAIB PARDEWALE	2SD21CV410	A
18.	DARSHAN BHAT	2SD20CV012	A
19.	SPURTHI ADAGI	2SD20CV059	A
20.	PALLAVI S	2SD20CV032	A
21.	VARUN R AINAPUR	2SD17CV097	A
22.	SHILPA	2SD20CV054	A
23.	NANDITA HAVERI	2SD21CV411	A
24.	MOHAMMADFAISAL	2SD21CV408	A
25.	AKASH PRAKASH HANDRAL	2SD20CV003	A
26.	SUDEEP K PATGAR	2SD20CV060	A
27.	PALLAVI BASAVARAJ MADALLI	2SD20CV031	A
28.	VEERESH	2SD20CV065	A
29.	SAIKUMAR JAGATAP	2SD20CV043	A
30.	PRAJWAL MN	2SD20CV034	A
31.	VINAYAK S VERNEKAR	2SD20CV072	A
32.	AKASH LAMANI	2SD20CV004	A
33.	AKASH NAIK	2SD20CV002	A
34.	VIJAY EKBOTE	2SD21CV421	A
35.	LIKHITH M BANAM	2SD20CV023	A

36.	RAMANAGOUDA S HUGGI	2SD20CV039	A
37.	DIVYA IRKAL	2SD20CV015	A
38.	RAHUL M MAHAGAONKAR	2SD20CV036	A
39.	ALLAHBAKSH BAGALKOT	2SD21CV402	A
40.	ALLAHBAKSH	2SD21CV402	A
41.	SHARANA BASAPPA	2SD20CV052	A
42.	RAHUL BIRADAR	2SD20CV035	A
43.	VINOD INAMATI	2SD20CV074	A
44.	DEEPAK L V	2SD20CV013	A
45.	SUDEEP PATIL	2SD20CV061	A
46.	GULSHAN KUMAR	2SD20CV075	A
47.	SANJAY S HIREMATH	2SD20CV048	A
48.	MATADA GURUBASAVARAJ	2SD20CV025	B
49.	SANTOSH SURYAVANSHI	2SD20CV049	B
50.	SHREEKANTH	2SD20CV055	B
51.	BASAVARAJ GIRIYAPPAVAR	2SD20CV009	B
52.	SOURAV RAMESH PHATKE	2SD21CV419	B
53.	AKASH WALIKAR	2SD20CV001	B
54.	SHWETA WADAGERI	2SD20CV056	B
55.	RAVIKIRAN	2SD20CV040	B
56.	SWATHI POTADI	2SD20CV062	B
57.	NAGARAJ TUPPAD	2SD20CV028	B
58.	KAVYA UDAYAKUMAR BHAJANTRI	2SD20CV021	B
59.	VINAY R KAMOJI	2SD20CV071	B
60.	AKASH MANOHAR JOGDANKAR	2SD21CV400	B
61.	AVINASH PAWAR	2SD21CV403	B
62.	BHARATH V	2SD22CV404	B
63.	MUSKAN D	2SD20CV027	B
64.	SYEDA AIESHA BANU	2SD20CV063	B
65.	KIRAN R BARGI	2SD20CV022	B
66.	GOUTHAM G ACHALAKAR	2SD20CV016	B
67.	M NAVEEN KUMAR	2SD21CV207	B
68.	AKASH GARAG	2SD21CV401	B
69.	VINAY NINGAPPA CHIGARI	2SD20CV070	B
70.	SHAREEF M PAKALI	2SD20CVO53	B
71.	KARTHIK YALLAPPA GARAG	2SD20CV018	B
72.	SAIKIRAN ASHOK NAIK	2SD20CV042	B
73.	DEEPAK SHEKAPPA MARITAMMANAVAR	2SD20CV014	B

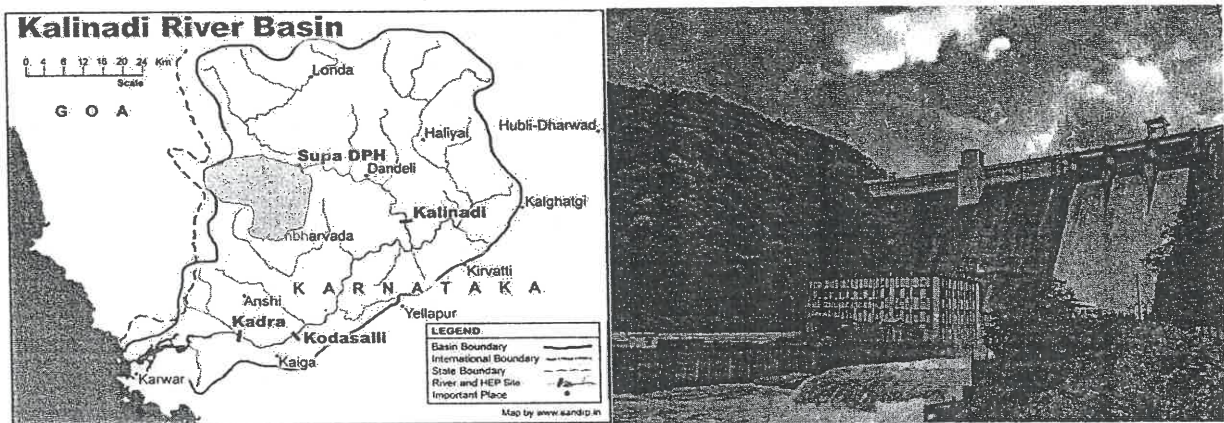


74.	PAVITHRA	2SD20CV033	B
75.	PRATIKSHA G NAIK	2SD21CV416	B
76.	SINDHU N DIVATE	2SD21CV418	B
77.	PAVITRA	2SD21CV414	B
78.	HARSHA	2SD20CV082	B
79.	BHIMAMBIKA	2SD20CV082	B
80.	ADARSH	2SD20CV077	B
81.	AMITH GURAV	2SD20CV006	B
82.	RAGHAVENDRA	2SD21CV417	B
83.	KARTHIK SAJANAR	2SD20CV019	B

## A Report on Field Visit to Supa Dam

The Department of Civil Engineering organized a one-day field visit to Supa Dam, Ganeshagudi on 9<sup>th</sup> November 2022. This visit aimed at understanding hydraulic components of pipe, open channel, machines and reservoir.

Supa Dam is constructed across Kali river at Ganeshagudi, Dandeli, Joida Taluk. This dam is commissioned under Karnataka Power Corporation Limited. This dam, built primarily to generate hydropower, suffices the electricity requirements of 100 MW with the two turbines.

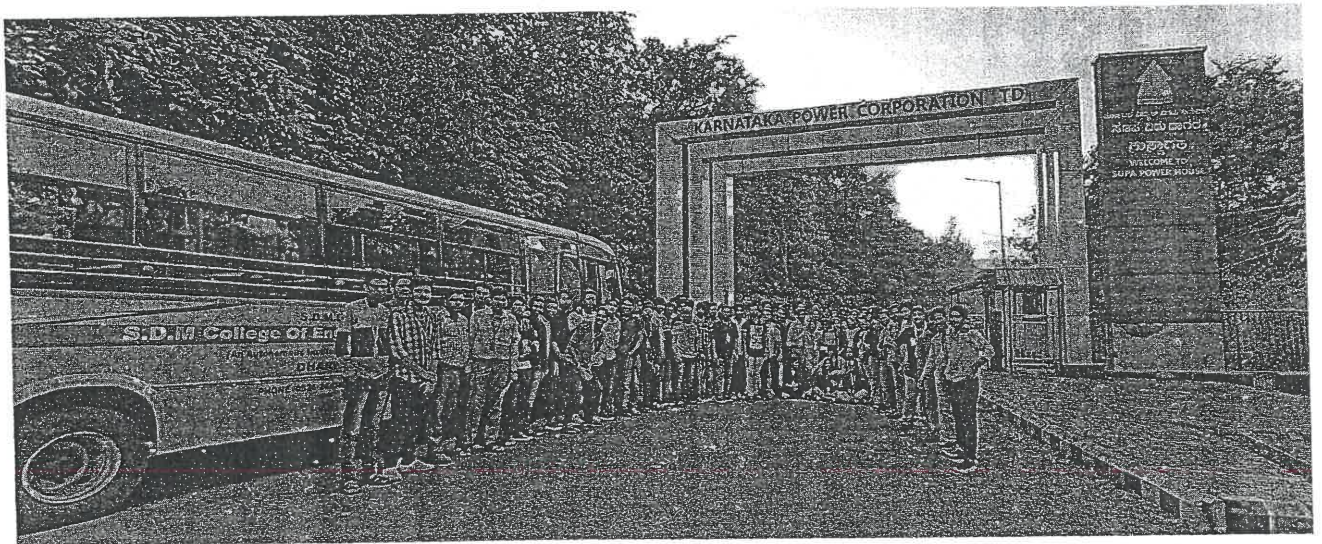


a. Kali river basin b. Supa Dam releasing water to the downstream. The powerhouse can be sighted at right bank.

Supa Dam is the concrete gravity dam which measures 101 m in height and runs about 332 m in length. The catchment area up to the dam makes about 1057 Sq. km. The live storage capacity is 145 TMC. There are three spillways with ogee weirs fitted with crest gates of size 15 x 10 m to regulate the flow. Entry to inspection galleries are located on either side of the spillway, occupy relatively elevated positions in the body of the dam. The apron at the downstream is provided along with a water cushion to facilitate maximum energy dissipation through the formation of hydraulic jump. The stilling basin of length 70 m follows the spillways. The tailrace of powerhouse is in the right bank. This acts as the outlet to discharge water utilized for power generation. Outlet of the runner is connected to the tailrace with the provision of two elbow type draft tubes.

Supa Dam Powerhouse is located at the toe of Supa dam on the right bank to utilize the reservoir head. Power plant was commissioned at 1985. The powerplant comprises of two generating units of 50 MW each coupled to vertical Francis turbines. The medium head Francis turbines convert hydraulic energy to mechanical energy by rotating around the vertical axis. The generating units operate at a designed head of 72 m. These units have a capacity to generate about 542 MU of energy annually. Two penstocks of 4.9 m in diameter are embedded in the body of the dam which leads water to the inlet of the turbine. The generating units operate for a variation in net head of 39 m to 90 m.

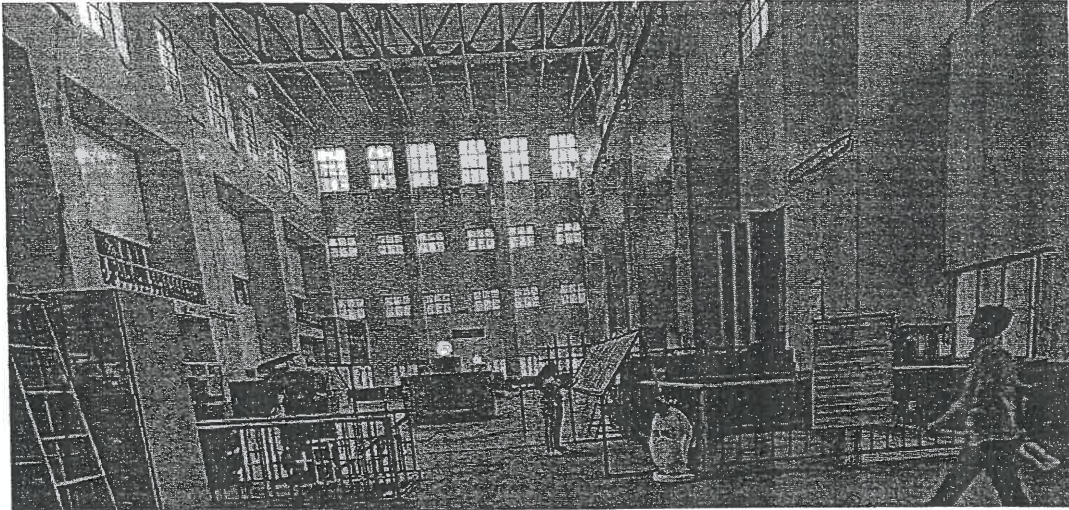
The students visited the powerhouse and visitors' gallery near spillway. A representative model of Supa dam kept at the plant helped to visualize the components of reservoir as well as the dam. The students could witness the rotation of turbine shaft housed in circular concrete wall at minus-one-level. The visitors appreciated the dam structure, spillways, crest gates, sluice gates at dead storage level, inspection gallery.



Seen are the students of V-Semester, Dept. of Civil Engineering at the Supa Dam site

This visit was coordinated by Mr. Vishwanatha Bhat and Mr. Suresh Hubballi, faculties, Department of Civil Engineering. The coordinators of this visit are thankful for Karnataka Power Corporation Limited, The Chief Engineer- Dam site, Security head, for having permitted for this visit. Acknowledgements are due to the Principal and the head, Department of Civil Engineering, SDM college of Engineering and Technology-Dharwad.

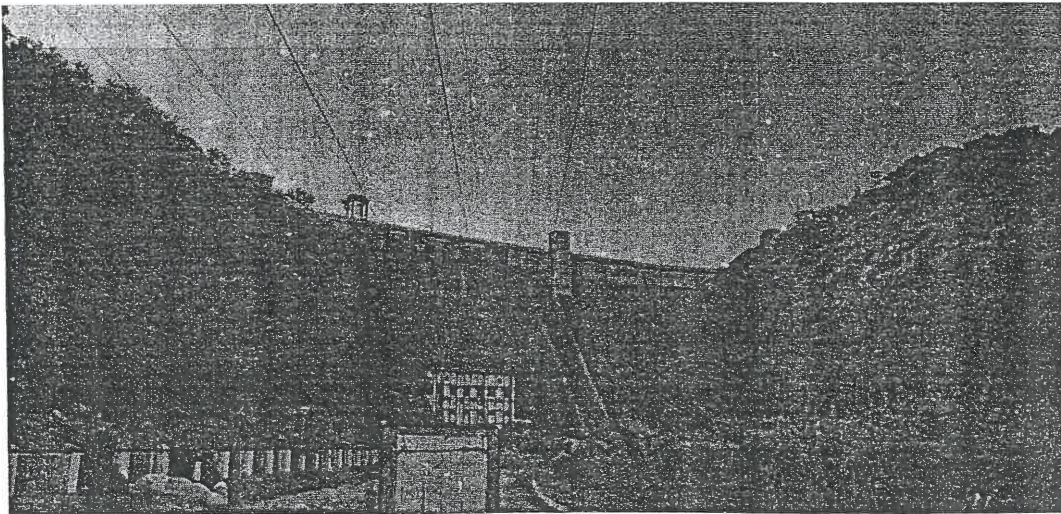




Two-generators fixed to the shaft of Francis Turbine



Seen are the shaft room and pumps for carrying coolant located at the minus one level



Scenic view of the Supa gravity dam built across Ganeshgudi valley