



टीएचडीसी इंडिया लिमिटेड THDC INDIA LIMITED

(भारत सरकार एवं उ. प्र. सरकार का संयुक्त उपक्रम)
(A Joint Venture of Govt. of India & Govt. of U.P.)
CIN : U45203UR1988GOI009822



No. THDC/RKSH/HRD/23-24/ 81

Date: 05/06/2023

Shri S.K. Sharma
Program Director

Sub: Training Programme on Pump Storage Plants (PSP) - Concepts and Policy Framework (19-21 July, 2023)

Dear Sir/Madam,

We have great pleasure in announcing 03 days Training Program on **Pump Storage Plants (PSP) - Concepts and Policy Framework** during **19-21 July, 2023**. I am writing to extend an invitation to nominate your employees to participate in the comprehensive training program focused on Pump Storage Plants. The Program is organised by THDC India Ltd. at TAKSHASHILA-Sustainable Livelihood and Community Development Centre, Rishikesh. This initiative aims to equip industry professionals with a comprehensive understanding of the key aspects of pumped storage, including designing, erecting, commissioning, operating, and maintaining pumped storage plants, as well as the regulatory and power market aspects.

As you may already be aware, Pump Storage Plants play a vital role in meeting the increasing demand for renewable energy sources. To support the growth of this sector and foster collaboration between organizations, we have decided to host an intensive training program tailored specifically for industry professionals.


We believe that by participating in this training program, your employees will not only enhance their skills but also establish valuable connections within the industry. The program will be facilitated by highly experienced industry professionals, who will provide comprehensive insights and practical knowledge to the participants. Additionally, participants will have the opportunity to engage in interactive discussions, case studies and a visit to Tehri –PSP plant to reinforce their learning.

To nominate participants from your organization, please fill the attached *Nomination Form* and return it to us by 10th July, 2023. As space is limited, we encourage you to submit your nominations at the earliest convenience to secure a spot for your employees.

We look forward to welcoming your nominated participants to the training program on Pump Storage Plants- Concepts & Policy Framework.

If you need any further information/clarifications on the said program, please feel free to get in touch with the undersigned or **Shri Ravi Budhlakoti, Manager(HRD), THDC India Ltd., Ph. No. 8192000204, Email Id: ravibudhlakoti@thdc.co.in**

Yours sincerely,


S.K. Sharma
AGM(HRD)
THDC India Ltd.

Encl: 1. Program Brochure along with Nomination form
2. Brochure of TAKSHASHILA-SLCDC, Rishikesh

प्रधान कार्यालय : गंगा भवन, प्रगतिपुरम, बाई पास रोड, ऋषिकेश-249 201

Corporate Office : GANGA BHAWAN, PRAGATIPURAM, BYPASS ROAD, RISHIKESH - 249201

पंजीकृत कार्यालय :- भागीरथी भवन (टॉप टेरिस) भागीरथीपुरम, टिहरी - गढ़वाल - 249201

Regd. Office : Bhagirathi Bhawan (Top Terrace), Bhagirathipuram, Tehri-garhwal-249001

टेलीफैक्स- 0135-2439463, Telefax : 0135-2439463, Website Address : www.thdc.gov.in

("हिन्दी को राजभाषा बनाना, भाषा का प्रश्न नहीं अपितु देशभिमान का प्रश्न है")



टीएचडीसी इंडिया लिमिटेड
THDC INDIA LIMITED

(भारत सरकार एवं उ.प्र. सरकार का संयुक्त उपक्रम)
(A joint venture of Govt. of India & Govt. of UP)

PROGRAMME ON

Pump Storage Plant (PSP)- Concepts and Policy Framework (19-21 July 2023)



THDCIL'S

TAKSHSHILA

**SUSTAINABLE LIVELIHOOD & COMMUNITY
DEVELOPMENT CENTRE**

THDC INDIA LTD. , AAM BAG, PASHULOK, VEERBHADRA ROAD RISHIKESH-
249201, DIST-DEHRADUN.

PROGRAM OVERVIEW:

There is growing recognition that wind and solar power generation is subject to high inherent variability and limited predictability. The rapid growth in variable renewable energy (VRE) sources such as solar and wind is increasing the need for stable, reliable storage solutions that can operate at utility-scale.

Pumped hydro offers services such as system inertia, frequency control, voltage regulation, storage and reserve power with rapid mode changes, and black-start capability. All of these are vital to support the ever-growing proportion of variable renewables. In addition, pumped hydro enjoys several distinct advantages over other forms of energy storage due to its long asset life, low-lifetime cost and independence from raw materials.

THDC India Ltd. is a leading power generating company in the power sector, with experience in all segments of power generation. The company has extensive experience in designing, developing, and commissioning the country's largest variable speed pumped storage plant. In line with its commitment to promoting knowledge sharing and learning in the industry, THDC is organizing a training program for eminent representatives across the Indian power sector to acquaint participants with the latest developments in pumped storage technology. Senior experts from the power sector, with vast experience in designing, erecting, commissioning, operating, and maintaining pumped storage plants, as well as in regulatory and power market matters, will serve as faculty for the training program.

OBJECTIVES:

The objective of the training program is to equip participants with a comprehensive understanding of the key aspects of pumped storage, including designing, erecting, commissioning, operating, and maintaining pumped storage plants, as well as the regulatory and power market aspects.

TARGET AUDIENCE

Senior and Middle Level managers working in the various technical aspects of Hydro Power

sector. This course is ideal for professionals and leaders at all career stages.

PROGRAM COVERAGE:

- What is Pump Storage Plant? Its principle and purpose?
- Relevance of Pump Storage Plants in Grid Stability.
- Design & constructional aspects of Pump Storage Plants (Civil and Electromechanical)
- Operational aspects and strategies of Pump Storage Plants.
- Future of Pump Storage plants and its market scenario.
- Regulatory & Policy aspects.
- Cost and economics of Hydro Power Plants including PSPs and Tariff Calculations.
- Site visit to Tehri-Pump Storage Plant

OTHER INCLUSIONS:

- Yoga every morning
- Ganga Arti in the evening (1 day)
- Gala Dinner (1 day)

PROGRAM COORDINATOR

S.K. Sharma, AGM(HRD), THDC India Ltd.

Anil Raghuvanshi, Sr. Manager(EMD), THDC India Ltd.

Ravi Budhlakoti, Manager(HRD), THDC India Ltd.

Program Fee

Residential Fee:

Rs. 25,000/- (for Single Occupancy)

(if spouse accompanies- Rs 3000/- extra will be charged)

Rs 22,000/- (for double Occupancy)

plus GST as applicable, presently 18% per participant. The fee covers tuition, boarding and lodging on single occupancy, courseware (in electronic form) and other facilities of the centre including internet usage and events mentioned in other inclusions.

Non-Residential Fee:

Rs. 15,000/- plus GST as applicable, presently 18% per participant. The fee covers tuition, course ware (in electronic form) working lunch

and other facilities of the College including internet usage.

The fee must be received latest by 10th July 2023 and non-refundable, organisations may nominate other participants as substitute. After making the payment, please email us the complete transaction details immediately so that we can link your remittance with your nomination.

Venue

TAKSHSHILA - SUSTAINABLE LIVELIHOOD & COMMUNITY DEVELOPMENT CENTRE (SLCDS), THDC India Ltd. , Aam Bag, Pashulok, Veerbhadra Road Rishikesh-249201, Dist-Dehradun.

Discounts Available

We will provide 10% discount, when we receive more than 3 nominations for single programme.

For Queries Contact

For content related queries, you may please contact Program Coordinators:

S.K. Sharma, AGM(HRD), Email: ssharma@thdc.co.in, Whatsapp/Call-9411110699; Anil Raghuvanshi, Email: anilraghuwanshi@thdc.co.in, Whatsapp/Call-8755900785 ; Ravi Budhlakoti; Email: ravibudhlakoti@thdc.co.in, Whatsapp/Call-8192000204

Last Date for Nominations

The nominations should reach the TAKSHSHILA - SUSTAINABLE LIVELIHOOD & COMMUNITY DEVELOPMENT CENTRE, THDC India Ltd. latest by 10th July '2023

BANK DETAILS

A/C Name	THDC India Ltd.
A/C No.	10548872555
Bank Name	State Bank of India
IFSC	SBIN0001180
PAN No.	AAACT7905Q
GST No.	05AAACT7905Q1ZW

THDCIL's TAKSHSHILA - SUSTAINABLE LIVELIHOOD & COMMUNITY DEVELOPMENT CENTRE (SLCDS)

Nestled in the lap of Himalaya at the bank of River Ganges, TAKSHSHILA is a world class Training and Learning Centre which has been developed with an objective to excel in the field of T&D through innovative and mutually beneficial stakeholder interface and to cater the contemporary training needs of Corporate. The institute aims to enhance the capacities of working professionals in the management of government and business enterprises.

THDC India Ltd.

THDC India Ltd. is leading power sector and public sector enterprise. The company has grown into a multi-project organisation, with projects spread over various states and neighbouring country, Bhutan. It has also forayed into generation of electricity through renewables and thermal sources. THDC is also a pioneer in the field of PSP and is on the verge of commissioning one of the largest PSPs in India.

NOMINATION FORM

Training Programme on

Pump Storage Plants (PSP) - Concepts and Policy Framework

(19-21 July, 2023) at TAKSHASHILA-Sustainable Livelihood & Community Development Centre, Aam Bagh

Particular of Nominee:

Name	_____	
Designation	_____	
Organisation	_____	Nomination Status: Residential/Non-Residential
Ph. No.	_____	Email Id _____

Sponsor's Details:

Sponsor Organisation	_____	
GSTIN	_____	
Address	_____	
Ph. No.	_____	Email Id _____

Fee Particulars:

Amount Payable	_____	Mode of Payment DD/Chq/NEFT	_____
Name of the Bank	_____	Date of Instrument Transfer	_____
Instrument No.	_____	UTR No. of NEFT	_____

Signature and Official Seal of the Sponsoring Authority:

Online Transfer Details:

Name of Accounts Holder	THDC INDIA LIMITED
Bank Name	State Bank of India
Complete Bank Account No.(Latest)	10548872555
IFSC	SBIN0001180
MICR Code of Bank	249002011

NOTE : Forward nomination form to : Shri Ravi Budhlakoti, Manager(HRD), THDC India Ltd., Aam Bagh, Rishikesh, 249201,
e-mail: ravibudhlakoti@thdc.co.in