



## Project Data Sheet

Project 43464-027

Project Name	Himachal Pradesh Clean Energy Transmission Investment Program - Tranche 3	
Project Number	43464-027	
Country / Economy	India	
Project Status	Closed	
Project Type / Modality of Assistance	Loan	
Source of Funding / Amount	<b>Loan 3733-IND: Himachal Pradesh Clean Energy Transmission Investment Program - Tranche 3</b>	
	Ordinary capital resources	US\$ 105.00 million
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth	
Drivers of Change	Governance and capacity development	
Sector / Subsector	<b>Energy</b> / Electricity transmission and distribution	
Gender	No gender elements	
Description	<p>The proposed tranche 3 for \$105 million will fund (i) physical investments in transmission infrastructure, including high-voltage lines and transmission substations; and (ii) investments in upgrading the enterprise resource planning (ERP) system and related components. The government submitted a periodic financing request on 24 November 2017 outlining the tranche subprojects as well as techno-economic assessment and environmental and social safeguards review and analysis.</p>	
Project Rationale and Linkage to Country/Regional Strategy	<p>The Indian power sector has a history of steadily increasing demand for, and chronic shortages of electricity. An adequate power supply contributes to poverty alleviation, yet over 30% of India's population lack access to electricity. Continued shortages significantly constrain commercial and industrial activity and reduce growth. Businesses and manufacturers must utilize more expensive back-up power supplies, often diesel fuel-based, which increase their costs and undercut competitiveness. Insufficient domestic fuel resources and rising international coal and oil prices threaten India's already fragile energy security, such that maximizing, clean indigenous energy sources is a government priority.</p>	
Impact	Clean energy transmitted to end users in Himachal Pradesh and India increased	

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### Project Outcome

Description of Outcome	Capacity of HPPTCL to transmit electricity from hydropower generation sources within and outside of Himachal Pradesh and to manage its operations improved.
Progress Toward Outcome	Project closed physically. EA is completing balance work from own resources. Final achievement to be measured after balance work completion.

### Implementation Progress

Description of Project Outputs	<p>New transmission system assets made operational. Enterprise resource planning (ERP) system fully operational.</p> <p>1A - (i) Work of 132 kV D/C line from Barsaini to Charor (21-TL) is under implementation. Overall, 68% progress has been achieved.(ii) Work of 66 kV D/C line from Nirmand to Kotla (33 TL) is under implementation. Overall, 76% progress has been achieved.(iii) Work of 220 kV D/C line from Mazra to Karian (30-TL) has completed 100%.(iv) Work of 400 kV D/C line from Lahal to Chamera (26-TL) is under implementation. Overall, 72% progress has been achieved.(v) Work of 220 kV D/C line from Bajoli Holi HEP to Lahal (24-TL) has completed 100%.(vi) 66 kV D/C Line from 66 kV switching station at Urni to Wangtoo substation. (Shifted from T2 to T3) - 97% progress has been achieved.(vii) 220 kV D/C Transmission Line from Sunda to Hatkoti. (Shifted from T2 to T3) - 96% progress has been achieved.(viii) LILO of 132kV DC Kurthala- Bathri Transmission line at Mazra (Addl work) - 66% progress has been achieved.(ix) LILO of 2nd circuit of 220 kV Kunihar Panchkula transmission line at 220 kV substation Baddi. (Distt. Solan). (Addl work) - 90% progress has been achieved. 1B - (i) Work of 22/66 kV, 2x10 MVA GIS substation at Nirmand (34-SS) is under implementation. Overall, 94% progress has been achieved.(ii) Work of 132/220 kV, 2x100 MVA GIS substation at Mazra (35-SS) is under implementation. Overall, 37% progress has been achieved.(iii) Work of 33/132 kV, 2x31.5 MVA GIS substation at Barsaini (19-SS) is under implementation. Overall, 62% progress has been achieved.(iv) Work of 220 kV GIS switching station at Hatkoti (25-SS) is under implementation. Overall, 95% progress has been achieved.(v) 132/220 kV, 1x80/100 MVA GIS substation at Charor. (Shifted from T2 to T3) - 77% progress has been achieved.(vi) 132/220 kV, 2x100 MVA GIS P.S.at Sunda. (Shifted from T2 to T3) - Overall 95% progress has been achieved.(vii) 220/66 kV, 80/100 MVA Transformer in the yard of 400/220 kV Gumma substation in Distt. Shimla (Addl. work) - 90% progress has been achieved.(viii) Augmentation of existing 220/132 kV Kangoo substation and stringing of 2nd circuit of 220 kV S/C line on D/C towers from Dehar Powerhouse of BBMB to Kangoo substation (Addl work) - 25% progress has been achieved.(ix) Joint Control and Operations Center for the transmission assets of HPPTCL/ HPSEBL (addl. work) - 38% progress has been achieved.(x) Auxiliary work (Addl work) - (a) Auxiliary Building Wangtoo - 25% progress has been achieved; (b) Auxiliary Building Chambi - 90% progress has been achieved; (c) Auxiliary Building Charor - 80% progress has been achieved. 2A - SAP software is being used for implementation of ERP in HPPTCL and Go-Live was successfully achieved on 1st April 2019. Currently the ERP is running smoothly. 2B - Trainings have been provided to HPPTCL staff.</p>
Status of Implementation Progress (Outputs, Activities, and Issues)	
Geographical Location	Himachal Pradesh

### Safeguard Categories

Environment	B
Involuntary Resettlement	B

## Summary of Environmental and Social Aspects

Environmental Aspects	The Environmental Monitoring reports submitted by EA have been uploaded on ADB website.
Involuntary Resettlement	Compliance is in line with policies and procedures.
Indigenous Peoples	Compliance is in line with policies and procedures.

## Stakeholder Communication, Participation, and Consultation

During Project Design	Extensive due diligence and consultation have been conducted.
During Project Implementation	Compliance is in line with policies and procedures.

## Business Opportunities

Consulting Services	not applicable.
Procurement	Procurement will be in accordance with ADB's Procurement Guidelines (2015, as amended from time to time). The HPPTCL has been utilizing advanced contracting for the civil works, supply, and erection contracts, under international competitive bidding. A procurement plan is presented in the project administration manual.
Responsible ADB Officer	Bhatt, Jigar Arvindbhai
Responsible ADB Department	South Asia Department
Responsible ADB Division	India Resident Mission
Executing Agencies	<i>Himachal Pradesh Power Transmission Corporation Limited MD.HPPTCL@GMAIL.COM Barowalia House, Khalini, Shimla 171002, Himachal Pradesh, India</i>

## Timetable

Concept Clearance	-
Fact Finding	-
MRM	29 Jan 2018
Approval	06 Nov 2018
Last Review Mission	-
Last PDS Update	14 Dec 2021

## Loan 3733-IND

### Milestones

Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
06 Nov 2018	16 Nov 2018	20 Dec 2018	29 Sep 2021	-	10 Feb 2022

### Financing Plan

### Loan Utilization

Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	136.00	Cumulative Contract Awards		

ADB	105.00	17 Jun 2022	79.93	0.00	100%
Counterpart	31.00	Cumulative Disbursements			
Cofinancing	0.00	17 Jun 2022	79.93	0.00	100%

### Status of Covenants

Category	Sector	Safeguards	Social	Financial	Economic	Others
Rating	Satisfactory	Satisfactory	-	Satisfactory	-	Satisfactory

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