

Uttarakhand Power Generation from Pirul (Pine leaves) and other Biomass

HIGHLIGHTS

Nodal Agencies and their Functions	i) Uttarakhand Renewable Power Development Agency (UREDA) <ul style="list-style-type: none"> • Selection of developer for power generation and briquetting/bio-oil. • Monitoring and supervising project execution. • Project clearance. • Subsidy facilitation. ii) Forest Department <ul style="list-style-type: none"> • Study of potential pine leaves site and other biomass collection areas. • Identification of potential project locations. • Collect levies. iii) Government of Uttarakhand will act as facilitator for pine leaves and biomass related project.	
Plant Capacity	10 kW to 250 kW.	
Target	Year	Capacity
	2019	1 MW
	2021	5 MW
	2030	100 MW
	50 biomass briquetting/bio-oil plants with 2000 MT/year capacity by 2030.	
Procedure for land allotment	<ul style="list-style-type: none"> • Individual entity or joint venture (JV) with community-based organization, can apply for bid. • Applicant with lowest levelised fixed tariff for 20 years will be awarded the project. • No restriction to government agency to directly take up a project. 	
Clearance Requirements	<ol style="list-style-type: none"> 1. Pollution control board 2. Forest department 3. Revenue department 4. Gram panchayat 5. Industries department 	

Incentives	<ul style="list-style-type: none"> • Project will be treated as industry and be entitled to all benefits associated with industry. • Developer can avail central financial assistance. • No electricity duty for 10 years. • Projects developed on private land will be exempted from stamp duty. • Van Panchayat will collect pine leaves and other biomass only using human resources. • Developer can claim benefit of clean development mechanism (CDM). • No cross-subsidy charges (CCS) for third party sale under open access. 	
Integration with other Government Schemes	<ul style="list-style-type: none"> • Schemes to stop forest wildfires can benefit by working with such power plants. • Funded schemes like MNREGA, NRLM can form biomass collection structure for such power plants. 	
Tariff	As notified by the Commission or mentioned in the PPA.	
Charges	<ul style="list-style-type: none"> • Wheeling. • Open access and losses. 	
Project Implementation Timeline	Procedure	No. of Days
	Invitation of proposal	Zero
	Submission of application	Zero+45
	Evaluation and approval by State Committee	Zero+75
	Issue of Letter of Acceptance(LoA)	Zero+90
	Submission of security deposit and signing of MoU	Zero+135
	Clearances and approval	LoA issuance date+180
	Financial closure	LoA issuance date+300
	Commercial operation date	LoA issuance date+540
Forest Map	http://ureda.uk.gov.in/newwhat/view/233	
Link	http://ureda.uk.gov.in/downloads	
References	http://ureda.uk.gov.in/upload/downloads/Download-74.pdf	