JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION

(Tariff for Solar PV and Solar Thermal)

Order dated 12-07-2010

SI. No.	Description	Summary							
1.	Title	Suo-Moto Tariff Order for Procurement of Power from Solar PV Power Project and Solar Thermal Power Project) 2010 order dated 12-07-2010							
2.	Туре	Generic Tariff for Solar PV power project and Solar thermal power project on the basis of norms prescribed in the said Regulations.							
3.	Levelised Tariff for Solar PV Power Projects		from solar PV p summarized belo	considered by the cower projects whow: s considered by C	nich als	o include Roo	ftop Solar PV		
			Parameters		S	Solar PV project			
		Capital cost (Rs Crores/MW)		17	17				
			Capacity Utilization Factor		19	19%			
			Auxiliary consumption		-	-			
			Useful life /Life of the machine		2	25 yrs			
			Debt: equity ratio		70	70:30			
			Loan repayment period		10	10 yrs			
			Interest on loan		10	13.39%			
			Interest on Working Capital		12	12.89%			
			O&M expenses Depreciation Residual value Return on equity (pre-tax)			Rs 9 lakhs per MW with annual escalation of 5.72%			
						1 to 10 yrs – 7% 11 to 25 yrs – 1.33%			
					10	10% of capital cost			
						19% - for first 10 yrs, 24% - from11th yr to 25 yr			
			The generic levelised tariff determined as per these Regulations shall be applicated for projects commissioned in the year 2010-11 on or after the date of notification these Regulations and the projects commissioned till June 30, 2013 and shall be very for a tariff period of 25 years from the Commercial Operation Date (COD) provided PPA are signed by 31st March 2011. The generic levelised tariff shall be as under:					notification of shall be valid	
	Particulars Levellised Tariff (Rs/ kwh)		of accelerated after depreciation if for a		after adjustn	-			
Solar PV po projects		Solar PV power projects	17.96		(2.98)	14.9	98		

4.	Solar Thermal Power Project	Parameters		nission for tariff deterr	Solar Thermal project				
			Capital cost (Rs Crores/MW)		13				
		-	Capacity Utilization Factor		23%				
		<u> </u>	Auxiliary consumption		10%				
		<u> </u>	Useful life /Life of the machine		25 yrs				
		Debt: equity		-	70:30				
			Loan repayment period		10 yrs				
			Interest on loan		13.39%				
		Interest on V	Interest on Working Capital		12.89%				
		O&M expens	ses		Rs 13 lakhs per MW with annual escalation of 5.72% 1 to 10 yrs – 7% 11 to 25 yrs – 1.33%				
		Depreciation							
		Residual val	Residual value Return on equity (pre-tax)		10% of capital cost 19% - for first 10 yrs, 24% - from11th yr to 25 yr				
		Return on ed							
		 (iv) The generic levelised tariff determined for solar thermal power projects be Capital Cost and other norms applicable for the projects commissioned 2010-11 on or after the date of notifications of these Regulations shall be for projects commissioned till June 30, 2013 and shall be valid for a tari 25 years from the Commercial Operation Date (COD), provided PPA is 31 March, 2011 and capacity is as per PPA is commissioned on or befor 2017. (v) The generic levised tariff shall be as under: 							
		· · ·		·	Natlanalia	l T- ::#			
		Particulars	Levellised Tariff (Rs/ kwh)	Levellised benefit of accelerated after adjust depreciation if availed (Rs/ kwh) depreciation		nent ted			
		Solar Therm power roject		(2.09)	11.0	02			
5.	Subsidy/Incentive	Generation Based by the Commission	I incentive or any othen in this order, the sar	e Govt. notification ser incentive over and a me shall be factored in vailing the incentive de	bove the tariff a	as determined wer generated			