UTTRAKHAND ELECTRICITY REGULATORY COMMISSION

(Tariff and other Terms for Supply of Electricity from Renewable Energy Sources and non-fossil fuel based Co-Generating Stations) Regulations – 2013 Dated 15-04-2013 with Amendments dated15.10.2013 and 5.7.2014

SI. No.	Description	Summary
1.	Short Title, Extent and Commencement	 (i) Uttrakhand Electricity Regulatory Commission (Tariff and other Terms for Supply of Electricity from Renewable Energy Sources and non-fossil fuel based Co-Generating Stations) Regulations 2013 notification dated 15-04-2013. (ii) First amendment Regulations 2013 dated 15th October 2013. (iii) Second amendment Regulations 2014 dated 5.7.2014
		Regulations shall come into effect from 01-04-2014 and shall remain in force for a period of 5 years from the date of commencement.
		With coming into force these Regulations, UERCC (Tariff and other terms for supply of electricity from non-conventional and Renewable Energy Sources) Regulations 2010 shall stand repealed.
2.	Scope and Extent of Application	Regulations shall apply in all cases where supply of electricity is being generated from Renewable Energy Sources and fossil fuel based Co-generating Stations, Commissioned after coming in effect of these Regulations, to the distribution licensees or local rural grids within the State of Uttrakhand.
		 (i) Regulations shall apply to above mentioned sources subject to fulfillment of eligibility criteria specified in Regulation 4 of these Regulations (ii) Provision of normative levelised tariff of 12 paise/unit over and above generic tariff for solar Thermal/PV generating stations as specified in Regulation 15 (1) (b) shall also be applicable to such stations commissioned prior to coming into effect of these Regulations. (iii) The existing projects supplying power to third party shall have the option to switch over to supply the distribution licensee or local rural grid at generic tariff as was applicable at the time of the commissioning of their project or seek determination of project specific tariff from the Commission. The option shall be for the balance life of the project and shall not be allowed to be changed once it is exercised.
3.	Definitions	As per Regulations
4.	Eligibility Criteria for qualifying as Generating Station based on non- conventional/ Renewable Energy sources	 Plants using new Plant and Machinery and Small Hydro Plants lower than or equal to 25 MW at single location. (i) Wind Power Project located at Wind sites having minimum annual mean Wind Power Density (WPD) of 200 watt/m² measured at hub height of 50 m and using new wind turbine generators. (ii) Solar PV/Thermal and grid interactive rooftop and small Solar PV Power projects based on MNRE approved technologies (iii) Biomas/Biogas Power projects based on Rankine cycle and where use of fossil fuel is restricted to 15% of total fuel consumption on annual basis. (iv) Non-fossil fuel based Co-generating stations using non-fossil fuel input for power generation and also utilizes the thermal energy generated for useful heat applications in other industrial activities simultaneously provided that for the co-generation facility to qualify under topping cycle mode, the sum of useful power output/and one half of thermal output be greater than 45% of the utility's energy consumption during the season. (v) Bio-mass Gasifier based Power project having a grid connected system that uses 100% producer gas engine coupled with gasifier technologies approved by MNRE. (vi) Biogas based power project using 100% Biogas fired engine coupled with Biogas technology for Co-digesting agriculture residues, manure and other bio-waste as may be approved by MNRE.

5	Environmental and other Clearances	stan requ	RE based Generating Stations and Co-generating Stations shall abide by emission standards as may be set by Union/State Govt. and for that purpose it shall obtain all required environmental and pollution clearances from the Central/State Pollution Control authorities wherever applicable and clearance from UREDA wherever necessary				
6	Obligation and Duties of the Generating Station	infor State	mation, data a	ing stations and Co-genera nd documents to the concer EA 2003, CEA/CERC Sta	ned authorities and shall ab	ide by IEGC/	
7	Sale of Power	s li z (ii) T f	ell Power over censee or to th iny consumer a tate at mutuall The Distributior ailing which ge	Generating Stations and Co and above the capacity req ne local rural grids at the ra allowed Open Access or to a y agreed rates. n licensee who is offered th nerating Co. can approach to bt approved from the Comm	uired for their own use to the tes determined by the Com any person within the state of is power shall sign PPA with the Commission for suitable of	e Distribution mission or to or outside the hin 2 months	
8.	Open Access	allow and Oper	ved to RE base to those cover n Access Regu	Open access in State Tra ed Generating Stations and ed under Regulation 7(i) wh ulations. Such open access and adjustment of average t	Co-generating Stations for hich shall be subject to the s is subject to payment of t	Captive use provisions of transmission/	
			Renev	wable Purchase Obligation	n		
9.	Minimum Quantum	(i)	RPO of the ob	ligated Entities shall be as f		1	
	of Electricity to be purchased by distribution licensee		Year	Renewable Purchase Obligation – Non-solar	Renewable Purchase Obligation – solar		
	from non-fossil fuel		2013-14	6.00%	0.050%		
	based Co-generation and generation of		2014-15	7.00%	0.075%		
	electricity from RE		2015-16	8.00%	0.100%		
	Sources		2016-17 2017-18	9.00% 11.00%	0.300%		
		non a pe	centage RPO -fossil fuel bas ercentage of to	as stipulated above denote ed Co-generation and gene otal energy purchased from ear for own consumption.	es Minimum Quantum of pu eration of electricity from RI	E sources as	
10	Tariff	 (i) Tariff determined under these Regulations shall be applicable for sale of electricity to the distribution licensees and to local grids only. (ii) RE Based Generating Stations and Co-generating Stations except those mentioned under provision 2 to sub-regulation (1) of Regulation 2, may opt for the generic tariff or for project specific tariff. (iii) Generating stations shall give its option to Distribution Licensee at least 3 months before commissioning of First unit. (iv) Option once exercised shall be final during the validity of PPA. (v) Project Specific Tariff: On case to case basis, shall be determined by Commission in following cases. (a) For projects opting to have their tariff determined on actual capital cost basis; (b) projects having old plant and machinery. (c) Other hybrid projects include RE-RE or RE-conventional sources for which RE technology is approved by MNRE. 					
11	Control period or Review Period	(ii)	for projects co Period (Useful The benchmar	ear being 2013-14 and the ta mmissioned during control Life of the Plant) k capital cost of solar (PV/Th cts may be reviewed annua	period shall be valid for the ermal), Grid interactive roof	e entire Tariff	

12	Tariff & PPA Period	 (i) The tariff period for RE Power Projects shall be equal to useful life of project. (ii) Tariff period to be considered from date of commercial operation or Commissioning of plant. (iii) PPA to be signed with Distribution Licensee for entire Tariff Period.
13	Petition and Proceedings for determination of Project Specific Tariff	 (i) Application may be made based on actual capital cost incurred upto date of application based on which provisional tariff shall be decided by the Commission. (ii) RE Based Generating Stations and Co-generating Stations shall file a fresh application based on capital expenditure incurred upto the date of Commissioning or commercial operation for determination of final tariff.
14	Tariff Structure	 (i) Single Part Tariff (Rs./kWh) and ex-bus i.e. after auxiliary consumption and transformation losses at the inter-connection. For renewable energy technologies having tariff (in Rs./kWh) with two components, for fixed component, tariff may be determined on levelised basis considering the year of commissioning of the project while the fuel cost component shall be specified on year of operation basis. (ii) Tariff from the date of Commissioning upto commercial operation shall be 50% of tariff fixed and in case of two part tariff, fuel cost shall be added. (ii) Provided that any additional expenditure of capital nature which becomes necessary on account of damages caused by natural calamities (but not due to flooding of power house attributable to the negligence of the generating company) after prudence check by the Commission shall be allowed as additional capitalization after adjusting the proceeds from the insurance scheme for all the generating stations covered under these Regulations. For additional capital expenditure admitted as above, appropriate adjustment in tariff shall be allowed for balance life of that project based on the norms given in Chapter 4 & 5 of the Regulations. Provided additional capitalization may be allowed if appropriate and adequate insurance cover was available at the time of occurrence of the natural calamities.
15	Financial Principals (i) Capital cost	 (a) The norms for Capital Cost shall include the expenditure incurred or projected to be incurred, initial spaces, interest during construction and financing charges, any gain or loss on account of foreign exchange risk variation during construction on loans arrived in the manner specified in sub Regulation (ii) below upto the date of commercial operation or commissioning of the project, shall include expenditure on evacuation infrastructure, upto the point of inter connection Expenditure towards additional capitalization shall be included. (b) In case generating company opts to construct the evacuation infrastructure from point of inter-connection to the nearest sub-station of transmission or distribution licensee to which the generating station is connected, it shall be allowed a normative levelised tariff of 5 paise/kWh over and above the generic tariff determined at the point of inter-connection. (c) However, in case of a solar generating company a normative levelised tariff of 12 paise/unit over and above the generic tariff determined at the point of interconnection. (c) However and above the generic tariff determined at the point of interconnection. (d) Upto 3 MW, 11 kV S/C - Rs. 44 lakh (ii) Above 3 MW and upto 33 kV - S/C Rs. 85 lakh (iii) Above 3 MW and upto 25 MW, 33 kV, 2 x SC or DC - Rs. 170 lakh
	(ii) Debt Equity Ratio	 (i) The debt equity ratio for generic and project specific tariff shall be as follows: (a) For generic tariff, debt equity ratio shall be 70:30. (b) For project specific tariff following provisions shall apply: If equity above 30%, extra equity as normative loan If equity less than 30%, then actual equity Equity in foreign exchange to be designated in Indian rupees on the date of investment.
	(i) Subsidy	MNRE subsidy to reduce debt, tariff to be calculated on 30% equity and balance as reduced loan. In case of any reduction or increase in subsidy by MNRE tariff would be corrected by the Commission provided reduction in subsidy amount is not due to inefficiency of the generating company.

16	Interest on Loan Capital	 (i) The loans arrived at in the manner indicated in Regulation 15 (2) shall be considered as gross normative loan for calculation of interest on loan. The loan outstanding as on 1st April of every year shall be worked out by deducting the cumulative repayment upto 31st March of previous year from the gross normative loan. (ii) For the purpose of computation of generic tariff, the normative interest rate shall be considered as average SBI base rate prevailing during the first six months of previous year plus 300 basis points. For project specific tariff, this interest rate or actual interest payable to the financial institutions shall be considered. (iii) The repayment of loan is being considered from the first year of commercial operation of the project and shall be equal to the annual depreciation allowed. (iv) For project specific tariff, the repayment of loan is being considered from the first year of commercial operation of the project and shall be equal to the annual depreciation allowed. (iv) For project specific tariff, the repayment of loan is being considered from the first year of commercial operation of the project and shall be equal to the annual depreciation allowed. (iv) For project specific tariff, the repayment of loan is being considered from the first year of commercial operation of the project and shall be equal to the annual depreciation allowed. (iv) Normative period of loan repayment made whichever is higher. (v) Normative period of loan repayment shall be taken as 12 years.
17	Depreciation	 For Tariff, Depreciation shall be computed in following manner (i) The value base for the purpose of depreciation shall be the Capital Cost of the project admitted by the Commission. (ii) Salvage value as 10% (iii) 5.83% pa for first twelve years and remaining depreciation to be spread over remaining useful life from 13th year onwards. (iv) To be charged from 1st year of commercial operation, for part of the year, depreciation shall be pro rata basis for computation of Project Specific Tariff (i) 75% of the capital subsidy received by Generator to be reduced from Capital Cost.
18	Return on Equity	 (ii) 20% Pretax per annum for 10 years (iii) 24% Pretax per annum 11th year onwards
19	Interest on Working Capital	 (a) Working Capital for Wind, SHP, Solar PV/Thermal grid interactive rooftop and small PV Power Projects shall be computed in accordance with- (i) O&M expenses for one month (ii) Receivables equal to 2 months energy charges based on normative CUF, for project specific tariff normative CUF or CUF mentioned in DPR whichever is higher. (iii) Maintenance spares @ 15% of O&M expenses (b) Working capital requirement in case of biomass power projects and non-fossil fuel based co-generation projects shall be computed in accordance with: (i) Components in (a) above (ii) Fuel Cost for 4 months equivalent to normative CUF with normative escalation factor of 5%. For project specific tariff, CUF as per DPR or normative whichever is higher (c) Interest on working capital shall be at interest rate equivalent to average SBI rate prevalent during first six months of the previous year plus 350 basis points.
20	Operation & Maintenance Expenses	 (i) For first year of commissioning, as specified by the Commission under Technology Specific Parameters for different technologies for the year 2013-14, escalated @ 5.72% p.a. (ii) Normative O&M expenses allowed for the year of commissioning shall be escalated @ 5.72% pa to determine O&M expenses for different years of Tariff Period.
21	CDM Benefits	 (i) 100% to be the project developer in first year of COD (ii) From second year, share of beneficiary shall be 10% to be progressively increased by 10% ever year till it reaches 50% after which it will be shared equally by generating Co. and beneficiary. (iii) CDM benefits not to be considered for tariff calculation but shall be handed over by generating Co. to distribution licensee within one month of receipt.
22	Rebate	 (i) 2% for payment through LC (ii) Payment by a mode other than LC but within one month of presentation of bill, rebate of 1%.

23	Late Payment Surcharge	For payment delayed beyond 60 days, surcharge @ 1.25% per month					
24	Subsidy or Incentive by Central/State Govt.	 (i) Commission to take into account any incentive or subsidy by Central or State Govt. including accelerated depreciation benefit if availed by generating company for determining tariff. (ii) Only 75% of subsidy during financial year of Commissioning as per MNRE scheme. (iii) For ascertaining income tax benefit on account of accelerated depreciation, as per Regulation If Generation based Incentive (GBI) scheme is notified by Central/ State Govt., the same shall be assumed to be availed and tariff automatically treated as reduced by amount of GBI / unit 					
25	Taxes and Duties	duties. (ii) For generic ta 30% for balar (iii) Provided taxe	 (i) Tariff shall be including direct taxes on income but exclusive of other taxes and duties. (ii) For generic tariff determination, the tax rate for first 10 years shall be 18.50% and 30% for balance period along with 5% surcharge and 3% education cess. (iii) Provided taxes & duties levied by appropriate Govt. other than direct taxes shall be allowed as pass through on actual incurred basis. 				
26	Applicability of Tariff Applicability of Merit	 The tariff shall be allowed to be recovered as under: For generators offering generic tariff. (i) Till actual CUF is less than or equal to annual CUF of 40%, tariff based on normative CUF of 40% (ii) For generation beyond 40% CUF, (a) CUF 40% to 45%, tariff shall be Rs. 1.50/kWh (b) For generation beyond annual CUF 45%, incentive equal to levelised generic rates, reduced by 0.75 per kWh, reduction in subsequent bill till CUF reaches 55%. For CUF beyond 55% incentive equal to levelised generic rates at CUF of 45% (c) For Generators opting for project specific tariff, tariff beyond applicable CUF shall be at generic tariff specified in Regulations. 					
27	Order	Not applicable. R					
		r			· · · · · · · · ·		
28	Small Hydro Generating Plant	Generating Static	ons shall be as be	s for determination c low: issioned on or afte	-	s for Small Hydro	
		Project Size	Capital Cost	O&M Expenses for year of commissioning	Capacity Utilization Factor	Auxiliary Consumption	
			Rs. Lakh/ MW	Rs. Lakh/ MW	(%)	(%)	
		Upto 5 MW	785	26.43			
		>5 MW & upto 750 22.43 15 MW 40 1					
		> 15 MW & upto 25 MW	715	19.03			

29	Biomass Power Projects based on Rankine Cycle Technology (with	The technology specific parameters determination of generic tariffs for Biomass P Projects based on Rankine Cycle Technology using water cooled condenser sha as below: Projects commissioned on or after 01-04-2013						
	Water Cooled Condenser)	Capital Cost	O&M Expenses for year of commissioning	Stat Hest		Calorific value of Fuel	, , , , , , , , , , , , , , , , , , ,	Capacity Utilisation Factor
		Rs. Lakh/ MW	Rs. Lakh/MW	kCal/	kWh	kCal/Kg	%	%
		445	25.37	400	00	3300	10	 (i) During first year- 65% (ii) From 2nd year onward 80%
		 (i) Fuel Mix (a) The Biomass power plant shall be designed in such a way that it uses differen types of non-fossil fuels available within the vicinity of project such as crop residues, agro-industrial residues, forest residues etc and other Biomass fuels as may be approved by MNRE. (b) The Generator shall ensure fuel management to ensure adequate fue supply. (ii) Use of Fossil Fuel: The use of Fossil fuels shall be limited to the extent of 15% o total fuel consumption on annual basis (iii) Monitoring Mechanism for the use of fossil fuel – As per Regulations 					ct such as crop r Biomass fuels adequate fuel xtent of 15% of	
30	Non fossil fuel based Co-generation projects		ogy specific parar o-generation proje Projects co	ects sha	all be a	as below:	n of generic tarifi er 01-04-2013	s for non-fossil
		Capital Cost	O&M Expenses for year of Commissioning	He	tion eat	Calorific value of fuel	Auxiliary Consumption	Capacity Utiliza-tion Factor
		Rs. Lakh/ MW	Rs. Lakh/ MW		Kcal/ Kcal/kg) (Wh)		%	%
		420	16.92	36	00	2250	8.5	45
31	Biomass Gasifier Power Projects	Gasifier Pow	ogy specific parar ver projects shall b mmissioned on o	e as be	elow:		n of generic tarif	fs for Bio-mass
		for year of Consumption Consumption Utiliz				Capacity Utiliza-tion Factor		
		Rs. Lakh/ I		MW		g/kWh)	%	%
		550 42.29 1.25 10				85		
		 Fuel Mix (a) The Biomass power plant shall be designed in such a way that it uses different of non-fossil fuels available within the vicinity of project such as crop residues, industrial residues, forest residues etc and other Biomass fuels as may be app by MNRE. (b) The Generator shall ensure fuel management to ensure adequate fuel suppl 				residues, agro- ay be approved		

32	Biogas based Power Projects	The norms for tariff determination specified hereunder are for grid connected bio-mass power projects that uses 100% biogas fired engine coupled with biogas technology fo co-digesting agriculture residues, manure and other bio waste as may be approved by MNRE. The technology specific parameters for determination of generic tariffs fo biogas based Power Projects shall be as below: Projects commissioned on or after 01-04-2013					ology for pproved		
		Capital Cost	for ye	openses ear of ssioning	Specific Fuel Consumption		Auxiliary Capa Consumption Utiliza		
		Rs. Lakh/ MW		kh/ MW	(Kg/kWh)		%	9	
		1100	42		3.00		12	9	
33	Solar PV Power Project	Norms for Solar PV Power under these Regulations shall be applicable for grid connect PV Systems that directly convert solar energy into electricity and are based on technologies such as crystallize silicon or their film etc. as may be approved by MN The technology specific parameters for determination of generic tariff for solar PV Po Projects shall be as under: Projects commissioned on or after 01-04-2013					d on the / MNRE.		
		Capital Co	ost	O&M Ex	penses for yea	r	Capacit	у	
					ommissioning	Uti	lization F	actor	
		Rs. Lakh/ M	W	Rs	. Lakh/ MW		%		
		1000			11.63		19		
34	Solar Thermal Power Project	Norms for Solar (CSP) technolog sunlight concentra temperatures whe to generate elect Thermal Power P	ies viz li ating it se preby the ricity. Th projects sl	ne focusin everal time heat gene ne technol hall be as	ng as may app is to reach highe rated is used to o ogy specific par	roved by r energy operate a ameters	y MNRE densities conventi of gener	and use and thu onal pov	es direct Is higher ver cycle
		Capital Cost	0	&M Exper	nses Capa	city	Auxil	iary	
			Co	for year o mmissio			Consun	nption	
		Rs. Lakh/ MV	V R	s. Lakh/ I			%		
		1300	ļ	15.86	23	3	10		
35	Grid Interactive Rooftop and Small Solar PV plants	The technology sp rooftop and small Projects commiss	Solar P\	/ Plants s	hall be as unde		ric tariff fc	or Grid in	teractive
		Capital Cost		&M Exper for year o ommissio	of Utiliz	ation	Capa Utiliza Fac	ation	
		Rs. Lakh/ MV	V R	s. Lakh/ I			%		
		1025		11.63	2	3	19	9	
36	Wind Energy	The technology sp for 80 m hub heig	ht:		for generic tariff		-	shall be a	as below
		Capital Cost		&M Exper for year o mmissio	of Wine	ial Mear d Power ensity		Capacity tilizatio Factor	
		Rs.Lakh/ MW		s. Lakh/ I		V/m ²		%	
						to 200		20	
						1-250		22	
		515		9.51		1-300		25	
						1-400		30	
					>	400		32	

37	Generic Tariffs			oned on or after 0	1-04-2013 applicable upto		
		Particulars	Upto 5 MW	Above 5 MW an upto 15 MW	d Above 15 MW & upto 25 MW		
		Gross Tariff	4.75	4.52	4.21		
		Less Accelera Depreciation	ted 0.35	0.35	0.35		
		Net Tariff	4.40	4.17	3.86		
		(i) Biomass based	Power Projects				
		Particulars		Rate of F	ixed charges		
		Gross Tariff			2.10		
		Less Accelerate	d Depreciation		0.10		
		Net Tariff			2.00		
		(ii) Non-fossil fuel	based Co-generati	on Projects			
		Particulars		Rate of F	ixed charges		
		Gross Tariff			2.85		
		Less Accelerate	d Depreciation		0.15		
		Net Tariff			2.70		
		(iii) Biomass Gasifi	er Projects commi	ssioned on or afte	er 01-04-2013		
		Particulars		Rate of F	ixed charges		
		Gross Tariff			2.25		
		Less Accelerate	d Depreciation		0.15		
		Net Tariff			2.10		
		(iv) Biogas Projects	commissioned or	n or after 01-04-20	13		
		Particulars		Rate of Fix	ed charges		
		Gross Tariff		3.75			
		Less Accelerate	d Depreciation	0.25			
		Net Tariff		3.50			
		(v) Solar PV and Sc 2013	olar Thermal Power	r Projects commis	sioned on or after 01-04-		
		Particulars					
			Solar PV Projects	Solar Thermal Projects	Grid Interactive Rooftop and Small Solar PV Plants		
		Gross Tariff	11,10	13.30	9.20		
		Less Accelera Depreciation		1.15	1.05		
		Net Tariff	10.15	12.15	8.15		

		(vi)	Wind Energy based Power Pro	ojects co	mmissio	ned on o	r after 01	-04-2013
			Particulars	Le	velised (I	Entire Lif	e) (Rs./kV	Vh)
				Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
			Gross Tariff	5.45	4.85	4.15	3.35	3.10
			Less Accelerated Depreciation	0.45	0.40	0.35	0.30	0.30
			Net Tariff	5.00	4.45	3.80	3.05	2.80
			MISCELLANEOUS					
38	Transmission Charges Wheeling Charges and Losses	(ii) (iii) (iv) (v) (vi)	Transmission Charges: - For nor transmission system for carryir Generating Stations or Co-gener generator or the consumer as the and wheeling charges for use of system which shall be calculated to and Conditions of Intrastate Oper No Transmission and Wheeling distribution licensee or local grid w Where a generating company p such generating Company, in add above shall have to bear the trans Commission on a case to case bas transmission and distribution licer Where more than one generating the state over common dedicated distribution licensee for evacuati addition to transmission/wheelin case to case basis for such dedi distribution licensee used only fo installed capacity. In addition to Transmission and transmission/ distribution System as above shall be adjusted in kind & Conditions of Intra-State Open No losses shall be adjusted in kind the state or to local rural grid. Transmission Licensees and Dis	ng the ele ating Sta case ma intra-stat based on 'n Access) Charges within the roposes in dition to tr mission a asis for the see used company transmiss on of the g charges cated line r evacuat Wheeling and dedid based on Access) F for sale o	ectricity of tions to t y be shall e transmit the princip Regulationary State. To supply ansmission nd wheel e dedicate only for of y propose sion distril in power as adeterm as and su ion of suc charges, cated line Regulation f electricit	generated he destin l have to p ission sys- oles speci- ons 2010. able for s electricit on/wheelin ing charge red lines a evacuatio ed to supp oution sys- such gen hined by ib-station ch power , the loss s and sub ples spec ins 2010. cy to distrik	d by the ation of u pay the tra- stem and fied in UE sale of el y/outside ng charge es determ and substa n of such oly electric stem of tra- berating c the Comr of the tra on pro-ra- es in the stations if fied in UE	RE based ase the RE ansmission distribution RC (Terms ectricity to the State, s specified ined by the ation of the power. bity outside nsmission/ ompany in mission on nsmission/ ta basis of intra-State RC (Terms nsee within
23		(ii) (iii) Pro	connectivity to the RE Based G at nearest possible substation wi generating station. They may fu appropriate voltage level subject to construction of electrical lines and CEA. In case of generating company opt transmission/ distribution line into to Licensee, the required bay, termi equipment etc., the cost of such ex- station. The generating station may also g system carried out by state transmi vided further that the land for exter- substation free of cost.	enerating thin a rar urther mu to technica I connecti is to const he neares inal equip /acuation get the wo nission/di	Stations age of 10 tually agr al feasibil vity with th ruct the e ⁻ t substation ments an system sh ork of con stribution	and Co- km from ree to pro- ity and tea he grid as vacuation on of Tran ad associa nall be bor struction licensee.	generatir the locati ovide con chnical sta may be s system in smission// ated sync me by the of power	g Stations on of such nectivity af andards for pecified by cluding the Distribution hronization generating evacuation
40	Maintenance of Transmission Lines and Equipment		maintenance of terminal equipme owners of these lines/equipments		ansmissio	on lines st	nall be car	ried out by
41	SLDC Charges		sale to person other than the Distri eneration station shall pay SDLC					

42	Connectivity and Metering arrangement for grid interactive roof top and small solar PV plants Metering Arrangement	 Roof-top Solar PV sources shall be allowed connectivity at the following voltage level in the distribution system of the licensee: (i) Load upto 4 kW: low voltage single phase supply (ii) Load >4 kW and upto 75 kW: low voltage three phase supply (iii) Load >75 kW and upto 1.5 MW: at 11 kV (iv) Load >1.5 MW and upto 3 MW: at 11/33 kV or as per site condition. (1) For sale to State Distribution Licensees or Local rural Grid, RE based Generating
		 Station and Co-generating Stations shall provide meters at the point of interconnection. (2) For sale to person other than the State Distribution Licensees or Local Rural Grid RE based Generating Station and Co-generating Stations shall provide ABT compatible Special Energy Meters at the point of interconnection.
44	Energy Accounting and Billing	(i) The State Load Dispatch Centre shall carry out scheduling and accounting of energy sent out by the generators and the same shall be communicated to the utilities interacting with the grid as per the scheme framed by SLDC.(ii) Billing for open access transactions shall be done in accordance with the Open Access Regulations.
45	Purchase of Electricity by the Generating station/Start up Power	 Any person, who establishes, maintains and operates a generating station and normally does not need power from the licensee round the year, may purchase electricity from a generating company or a distribution licensee in case his plant is not in a position to generate electricity to meet the requirement of his own use or for start up and consequently power is required to be drawn from distribution licensee. In case electricity generated from the plant is being exclusively sold to the State Distribution Licensee, the electricity (in kWh) procured by the Generating Station from the State Distribution Licensee to meet its requirement of his own use or for startup power, will be adjusted from the electricity sold to the Distribution Licensee on month to month basis. The Distribution Licensee shall make the payment for net energy sold to it by the Generating Company. In case electricity generated from the plant is sold to third party other than the State Distribution Licensee, then such purchase of electricity by the generating company from the State distribution licensee, shall be charged as per the tariff determined by the Commission for temporary supply under appropriate "Rate Schedule of tariff" for Industrial Consumers considering maximum demand during the month as the contracted demand for that month.
46	Banking of Power (Applicable only in case of Captive Generating Plants & Non-fossil fuel based Co-generating Stations)	 The Generating Stations shall be allowed to bank power within a period of one calendar month, for the purpose of withdrawal of the banked power in the event of emergency or shut down or maintenance of the plant, subject to following conditions: (a) Banking of energy upto 100%, as agreed between the plant and the distribution licensee, shall be allowed during the period declared by the Commission as peak hours from time to time in its Tariff Orders. (b) Withdrawal of power shall be allowed only during the period other than the period declared by the Commission as peak hours from time to time in its Tariff Orders. (c) Banking charges shall be 12.5% of the energy banked.
47	Deemed Generation	 (Applicable only in case of Small Hydro Generating Plants & Solar PV & Solar Thermal Projects) (i) After the COD of the Project, loss of generation at the Station on account of reasons attributed to the following, or any one of the following, shall count towards Deemed Generation: Non availability of evacuation system beyond the Interconnection Point; and Receipt of backing down instructions from the SLDC. (ii) Provided that the following shall not count towards Deemed Generation: The loss of generation at the Station on account of aforesaid factor(s) but attributed to the Force Majeure event(s);

		 (iii) The distribution licensee shall pay for the saleable deemed generation, on annual basis, for small hydro projects and solar PV and solar thermal projects worked out on the basis of the deemed generation on the above lines, at the generic/project specific tariffs under the provisions of RE Regulations, as amended from time to time by the Commission. The settlement of payment towards deemed generation charges shall be carried out within 3 months of the completion of the financial year. (iv) Any charges paid by the Distribution Licensee towards deemed generation shall not be allowed as an expense to be pass through in tariffs. The distribution licensee will have to bear surcharges.
48	Savings, Power to Remove Difficulties and Power to Relax	Vested with the Commission