भारत सरकारकेंद्रीय विदयत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति बेंगलूरु - 560 009



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सं/No.

SRPC/SE-II/2019/5/8

दिनांक / Date

18.01.2019

Secretary
CERC
3rd & 4th Floor, Chanderlok Building,
36, Janpath,
NEW DELHI – 110 001

Sub: Draft Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for the tariff period from 1.4.2019 to 31.3.2024

Sir,

Kind reference is invited to Public Notice No. L-1/236/2018/CERC dated 7th January, 2019. In this regard, the submission of SRPC is attached for kind consideration.

Thanking you.

Encl: as above

Yours faithfully,

(एस.आर. भट्ट/S.R. BHAT) सदस्य सचिव / Member Secretary

SRPC Secretariat comments on Draft T & C for Tariff Determination 2019-24

3 (16)	shall have the same meaning as defined in Grid Code;	Declared Capacity or DC is not defined in the Grid Code, though reference is there in 6.4.16, 6.4.18 etc. It can therefore be kindly defined.	RoE reduction by
30 (2) (ii) (iii)	ii. in case of a new project, the rate of return shall be reduced by 1.00% for such period as may be decided by the Commission, if the generating station or transmission system is found to be declared under commercial operation without commissioning of any of the Restricted Governor Mode Operation (RGMO) or Free Governor Mode Operation (FGMO), data telemetry, communication system up to load dispatch centre or protection system based on the report submitted by the respective RLDC; iii. In case of existing generating station, as and when any of the requirements under proviso ii of this Regulation are found lacking based on the report submitted by the respective RLDC, rate of return shall be reduced by 1.00% for the period for which the deficiency continues.	when any of the requirements under proviso ii of this Regulation are found lacking based on the report submitted by the respective RLDC, rate of return shall be reduced by 2-4 % for the period for which the deficiency	sufficient deterrent for Generating Stations in providing these technical requirements and thus needs to be enhanced. Many of the new and existing generating stations may not be fully complying with these provisions. A well defined procedure to measure the deficiency in quantifiable terms is required for it to be implemented. Other technical requirements of ramps, fast start up from cold, warm and hot conditions, MVAR absorption/injection etc also are also required with high RE ingress. NLDC could come our with the Procedure in consultation with stakeholders and after approval o

		data telemetry /	the Hon'ble
34 (a) (i)	Cost of coal or lignite and limestone towards stock, if applicable, for 15 days for	communication, protection etc for this Regulation to be implemented in field. The technical requirements of ramps, fast start up from cold, warm and hot conditions, MVAR absorption /injection etc also could be covered in this procedure New proviso: If the actual coal stock falls below 3 days wrt to the Installed Capacity, then for	Many of the stations are not maintaining this level of stocks
	pit-head generating stations and 20 days for non-pit-head generating stations for generation corresponding to the normative annual plant availability factor or the maximum coal/lignite stock storage capacity whichever is lower;	each day of non compliance of this condition, the Generating Station FC would be reduced by such rate as specified by the Commission.	thereby affecting energy security of beneficiaries. This is in addition to Advance payment for 30 days towards Cost of coal or lignite and limestone for generation corresponding to the normative annual plant availability factor
34 (b)	Fuel cost for 30 days corresponding to the normative annual plant availability factor, duly taking into account mode of operation of the generating station on gas fuel and liquid fuel;		Gas stations are being scheduled minimally on account of fuel shortage etc and this issue could be looked into.
51 (3)	hours of "Peak" and "Off-Peak" periods in a region shall be declared on monthly basis in advance, by the concerned RLDC and the Peak period in a day shall not	hours of "Peak" and "Off- Peak" periods in a region shall be declared on monthly basis in advance, by the concerned RPC and the	to discuss the peak hours duration in the OCC where all the beneficiaries and ISG Stations

	be less than 4 hours.	be less than 4 hours.	participating. In each OCC, the peak hours could be agreed for the next month.
51(6)	(6) The Plant Availability Factor achieved for a Day (PAFD), Plant Availability Factor achieved for a Month (PAFM) and Plant Availability Factor achieved for a Quarter (PAFQ) shall be computed in accordance with the following formula:	(6) The Plant Availability Factor achieved for a Day (PAFD, PAFDp & PAFDop), Plant Availability Factor achieved for a Month (PAFM) and Plant Availability Factor achieved for a Quarter (PAFQ) shall be computed in accordance with the following formula:	PAFDp & PAFDop can be included to have more clarity
51(6)	DCi = Average declared capacity (in ex-bus MW), for the ith day of the period i.e. the month or the year as the case may be, as certified by the concerned load dispatch centre after the day is over.	the ith day of the period i.e. the month or the year as the case may be, as certified by	generator to declare beyond this value

52 (2)(a) & (b)			103% for month of December 2018. Schedules were however restricted to 100 % by RLDC. Should the ECR also include Landed Price of other Reagent (Sodium Bi-Carbonate, Urea and Anhydrous Ammonia etc.)?
50 (2)	For Communication System: a) For ACFM < 99.00% AFC x (NDM/NDY) x (ACM/99.00%) b) For ACFM > 99.00% AFC x (NDM/NDY) x (ACFM%/99.00%) NACF = Normative Availability Factor of Communication system as a percentage, NDPN=No of days up to the end of Nth month of the financial year, NAC1= Communication availability factor in percentage achieved up to the end of the Nth month of the year, = Communication availability factor ir percentage achieved up to the end of the Nth month of the year, = the Nth month of the year, achieved up to the end of the Nth month of the year,	(ACFM/99.00%) b) For ACFM > 99.00% AFC x (NDM/NDY) (ACFM%/99.00%)	ACM is not defined. NACF, NDPN & NAC1 are presently not utilized in the formula. If they are to be utilized the formula's are to be modified accordingly.

	(NACF) for communication system or part shall be computed for each region separately:	Factor of Communication system as a percentage) = N ACFM = Σ (Ai) i=1	Availability Factor of Communication system and not the Normative Availability of Communication System (NACF)
65. (2) Note 1	the region. In such cases depending upon the technical feasibility of power transfer and specific agreements reached by the generating company with other State within/ outside the region for such transfers, the shares of the beneficiaries may be prospectively re-allocated by the Central Government for specific period (in complete	calendar month, except in case of an emergency calling for an urgent change in allocations out of unallocated capacity. Note 2 The beneficiaries may propose surrendering part of their allocated firm share to other States within / outside the region. In such cases depending upon the technical feasibility of power transfers and specific agreement reached by the generating company with other States within/outside the region for such transfers, the shares of the beneficiaries may be prospectively re-allocated by the generating and the beneficiaries may be prospectively re-allocated by the generating the beneficiaries may be prospectively re-allocated by the generating the beneficiaries may be prospectively re-allocated by the generating the beneficiaries may be prospectively re-allocated by the generating the beneficiaries may be prospectively re-allocated by the generating the beneficiaries may be prospectively re-allocated by the generating the beneficiaries may be prospectively re-allocated by the generating the beneficiaries may be prospectively re-allocated by the generating the beneficiaries may be prospectively re-allocated by the generating the beneficiaries may be prospectively re-allocated by the generating the beneficiaries may be prospectively re-allocated by the generating the beneficiaries may be prospectively re-allocated by the generating the beneficiaries may be prospectively re-allocated by the generating the generating the generating the beneficiaries and the generating the gener	The unallocated power is allocated as per need and decision taken by Central Govt. Therefore the Regulation could be amended.
	months) from the beginnin of a calendar month.	specific period (in comple months). from the beginning	te

	reversion shall be communicated to all concerned by the Member Recretary Regional Power	Any such reallocation and its reversion shall be communicated to all concerned by the Member Secretary, Regional Power Committee in advance, at least one clear day three days prior to such reallocation or reversion revision taking effect.	
70.	Sharing of gains due to variation in norms (2) The financial gains by the generating company or the transmission licensee, as the case may be, on account of controllable parameters shall be shared between generating company or transmission licensee and the beneficiaries or long term transmission customers, as the case may be, on monthly basis with annual reconciliation.	Sharing of gains due to variation in norms (2) The financial gains by the generating company or the transmission licensee, as the case may be, on account of controllable parameters shall be shared between generating company or transmission licensee and the beneficiaries or long term transmission customers, as the case may be, on monthly basis with annual reconciliation. each month up to the end of the month for the FY.	beneficiary. The
Appendix- II (1)	1. Transmission system availability factor for a calendar month (TAFPn) shall	1. Transmission system availability factor for a calendar month (TAFM) shall	l.
Appendix- II (1)	Transmission System Availability shall be calculated separately for each Regional Transmission System and inter-regional transmission system.	Availability shall be calculated separately for each Regional Transmission	mismatch.

Appendix-	Bus Reactors/Switchable line reactors: Each Bus	Bus Reactors/Switchable & convertible line reactors:	Most of the line reactors have been
II (1) (iv)	line reactors: Each Bus Reactors/Switchable line	Each Bus	made convertible
	reactors shall be considered	Reactors/Switchable line	and can be used as
	as one element;	reactors shall be considered	bus reactors if the
	as one cremers,	as one element;	line is not in
			service. Their
			availability
			computation
			becomes important
			in the present context of high
			context of high voltages.
		G description	It is learnt that
Appendix-	Static Synchronous	Static Synchronous	STATCOM
II (1) (vii)	Compensation	Compensation (STATCOM): Each module	comprises of
	(STATCOM): Each	of STATCOM, shall be	modules of
	DIMICOIN SIZE	considered as separate	dynamic
	considered as separate	element.	compensation and
	element.	Cionalia	mechanically
			switched
			compensation
			(Reactor &
			Capacitor). Each of
			the dynamic
į			module and
			Reactor/Capacitor
	ļ		can be brought into
	ļ		grid independently. If any module is
			out, other modules
			can be brought in
			service. How to
			account outage of
			one module, if
			STATCOM is
			considered as one
			element? Therefore
			it is suggested that
			each module could
			be considered as separate element
			separate element with absolute
}		}	MVAR capacity as
			its weight. For
}	{		example the
_			- Champie die

Appendix- II (1)			coming up in Hyderabad, Udumalpet and Trichy can be considered as 5 elements — 2 modules of 100 MVAR of Dynamic compensation, 2 mechanically switched reactors of 125 MVAR & 1 mechanically switched capacitor. This will take care outage of individual modules. Many a times spares are being utilized in place of faulty ICTs and Reactors. These ICTs and Reactors are repaired beyond the time schedules specified in SOP Regulations. Therefore there is a need to monitor the availability of spare elements. This will ensure healthiness of spares also.
Appendix- II (2)	% TAFM for AC system =		The formula needs to include STATCOM
Appendix- II (2)	p = Total number of bus reactors/switchable line reactors	p = Total number of bus reactors/switchable & convertible line reactors	COM - In - a continuo
Appendix- II (3)(a)	For each circuit of AC line – Number of sub-conductors in the line (NSC) multiplied by ckt-km.	Surge Impedance Loadin	g the relative values a. of power flow on

	configuration is give Appendix IV. Howeve voltage levels and configurations not list Appendix, appropriate	en in or, for /or ed in e SIL hnical e used ulation g-term	voltage levels and type of configuration of lines. Since most of the line reactors are made convertible and can be taken as separate element. Absolute SIL without compensation multiplied by ckt-km can be considered as weight. Number of sub-conductors in the line (NSC) multiplied by ckt-km may give disproportionate
Appendix- II (5)(a)	1 4435	s to be within 7 e spare with within 7	