STAKEHOLDER COMMENT

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Comments/suggestions of WRPC on Draft Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2022

Clause of IEGC	Statement in draft IEGC	Comments/Suggestions of WRPC	
Chapter 1 P	Chapter 1 Preliminary		
2 (2)	For the purpose of these regulations, the Damodar Valley Corporation (DVC) shall be treated as a regional entity and a separate control area. The DVC Load Despatch Centre shall perform functions of a SLDC for the control area of DVC.	It may be modified as "For the purpose of these regulations, the Damodar Valley Corporation (DVC) shall be treated as a regional entity and a separate control area. The DVC Load Despatch Centre shall perform functions of a SLDC for the control area of DVC. Schedule and despatch of Sardar Sarovar Project (SSP) and Pench units shall be done by RLDC in consultation with all the stakeholders of SSP and RPC."	
	therefore these Hydro stations are require the States having shares in these project	re primary for irrigation requirements and ired to be scheduled as per the requirement of its for optimal utilization of generation.	
Chapter 4 P	rotection Code		
14(1)	RPCs shall undertake review of the protection settings, assess the requirement of revisions in protection settings and revise protection settings in consultation with the stakeholders of the respective region, from time to time and at least once in a year. The necessary studies in this regard shall be carried out by the respective RPC Comment : the data dynamic and base for review of protection settings and the days in advance so that the study can be settings can be reviewed in the forum of	It may be modified as "RPCs shall undertake review of the protection settings, assess the requirement of revisions in protection settings and revise protection settings in consultation with the stakeholders of the respective region, from time to time and at least once in a year. The necessary studies in this regard shall be carried out by the respective RPC. Whenever changes in the network are anticipated, RLDC/SLDC shall inform the network changes along with the details well in advance (at least 45 days in advance) to respective RPC. The study data dynamic and base case (peak-off peak cases) files required for review of protection settings shall be provided by POSOCO/CTU, along with the above data to respective RPCs." case is required to carry out requisite studies e same is required to be provided at least 45 e carried out and discussed in the protection f RPCs.	

14(3)(a)	RPCs shall maintain a centralized database in respect of their respective region containing details of relay settings for grid elements connected to 220 kV and above (132 kV and above in NER)	It may be modified as "RPCs/RLDCs shall maintain a centralized database in respect of their respective region containing details of relay settings for grid elements connected to 220 kV and above (132 kV and above in NER). <i>The changes in the network and</i> <i>protection settings of grid elements</i> <i>connected to 220kV and above shall be</i> <i>informed to RPCs by CTU and STUs</i> "
	Comment : The relay settings shall also real time operations, the Zone-3 reach s be checked against the loading on the lin how much the lines should be loaded so encroachment. The loading of the line is does not result in unnecessary tripping of current earth fault settings should alway time the loadings on the lines/transform unnecessary tripping of lines/transform	b be available to RLDCs, since during the ettings of distance protection are required to nes. This setting in real time decides as to b that the line does not trip on Load s required to restricted so that the loading of the line in Zone-3. Also, the back up over /s be available with RLDCs, so that in real ners can be kept under check to avoid ers on over load.
14 (3)(b)	RPC shall: carry out detailed system studies, twice a year, for protection settings and advise modifications / changes, if any, to the CTU and to all users and STUs of their respective regions.	It may be modified as "carry out detailed system studies, twice a year, for protection settings and advise modifications / changes, if any, to the CTU and to all users and STUs of their respective regions. <i>The dynamic</i> <i>study data files and the base case data files</i> (<i>peak and off peak cases</i>) <i>shall be provided</i> <i>by POSOCO (NLDC/RLDCs) and CTU</i> <i>every quarter.</i> "
	Comment : This is required to ensure the case data is made available to the RPCs this data is available with CTU & POSC	hat proper dynamics data as well as saved for conducting detailed system studies, since DCO.
16(2)	For the operational SPS, RPCs shall perform regular dynamic studies and mock testing for reviewing SPS parameters & functions, at least once in a year	It may be modified to "For the operational SPS, <i>RLDC in consultation with RPC</i> shall perform regular dynamic studies and also carry out mock testing to review SPS parameters & functions, at least once in a year. RLDC to inform any short comings to respective RPC. The dynamic data for such studies shall be provided by CTU annually to RPC/RLDC."
	Comment : This is required to ensure the case data is made available to the RPCs studies.	hat proper dynamics data as well as saved by RLDCs and CTU for conducting such

17(2)	The disturbance recorders shall have time synchronization and a standard format for recording analogue and digital signals which shall be included in the guidelines issued by the respective RPCs.	It may be modified as "The disturbance recorders (DRs) shall have time synchronization and a standard format for recording analogue and digital signals which shall be included in the guidelines issued by the respective RPCs. The time synchronization of the DRs shall be corroborated with the PMU data/SCADA event loggers etc by the respective RLDCs and the list of DRs which are non- compliant shall be placed before the Protection sub-Committee."
	seen in the PMU data and event loggers	s of SCADA.
Chapter 5: 0	COMMISSIONING AND COMMERCIA	AL OPERATION CODE
27 (1) (a) & (b)	A generating station or unit thereof or a transmission system or an element thereof or ESS may declare commercial operation as follows and inform CEA, the concerned RLDC, the concerned RPC and its beneficiaries:	It may be modified as "A generating station or unit thereof or a transmission system or an element thereof or ESS may declare commercial operation as follows and inform CEA, the concerned RLDC, the concerned RPC and its beneficiaries. <i>A</i> onetime revision of the COD shall be made by RPCs in consultation with beneficiaries of the station, if outages are availed by the entity within a period of 3-months or any reasonable time of commissioning (for the purpose of regular maintenance/carry out left over work during commissioning) and the revised COD date will be considered as the date of taking the element back in service after such outage."
	Comment: The Commercial Operation entities, and it is seen that the Outages declared. Such outages, if taken by the utilities for carrying out the left-over maintenance within a period of 3 month the commissioning work was not carried all the compliance, though they were The outages/breakdowns may be due to misdeclaration of the CoD by the gen happen that the utilities declare the Coc complete commissioning activities and operation takes an outage to attend the interval	on Date (COD) are usually declared by the s are taken on the units/line after the COD is he generating stations/transmission elements work during commissioning and or routine ths or within reasonable time of COD means ed out by the Utility concerned by observing able to demonstrate the COD requirements. o flawed workmanship. This is to avoid any nerator or the transmission licensee. It may D of the units/elements without carrying out ad subsequent to declaration of commercial incomplete parts.

27 (1) (c)	The commercial operation date in case of an Inter-State Transmission System or an element thereof shall be the date declared by the transmission licensee on which the Transmission System or an element thereof is in regular service at 0000 hours after successful trial operation for transmitting electricity and communication signal from the sending end to the receiving end as per Regulation 23 and submission of declaration as per Regulation 26(3) of these regulations:	Similar provision can be made as that proposed in 27 (1) (a) & (b)
27 (1) (d)	Communication System Date of commercial operation in relation to a communication system or an element thereof shall mean the date declared by the transmission licensee from 0000 hour of which a communication system or element thereof shall be put into service after completion of site acceptance test including transfer of voice and data to the respective control centres as certified by the respective Regional Load Despatch Centre.	It may be modified as "Communication System Date of commercial operation in relation to a communication system or an element thereof shall mean the date declared by the transmission licensee from 0000 hour of which a communication system or element thereof shall be put into service after completion of site acceptance test including transfer of voice and data to the respective control centres as certified by the respective Regional Load Despatch Centre. <i>The elements of communication</i> <i>system such as RTUs/transducers should be compliant with the accuracy class</i> <i>specified for such elements and the</i> <i>measurands received through SCADA at</i> <i>SLDCs/RLDCs should be within the</i> <i>permissible limit of the accuracy class shall be</i> <i>of 0.5 or lower for these equipment's.</i> "
	Comment: The operational decisions data made available to these centers accurate the decision making by the SI has financial impact on the DISCOMs equipment's, due to stringent DSM requirement of keeping these equip availability certification of the comm factors.	of SLDCs/RLDCs are based on the SCADA . If the measurement equipment's are not LDCs/RLDCs will not be appropriate. It also if the decisions are made based on inaccurate regulatory provisions. Also there is a pment's within the accuracy limits. The nunication system shall also consider these

Chapter 6 C	Chapter 6 Operating Code			
29 (2) (b)	Each RLDC, in consultation with CTU, the concerned users, SLDCs, STUs, shall prepare a list of important elements in the regional grid, including those in the State grids which are critical for regional grid operation and shall make available the said list to all concerned. Comment: RPCs are also required to elements is required for transmission elements	It may be modified as "Each RLDC, in consultation with CTU, the concerned users, RPCs , SLDCs, STUs, shall prepare a list of important elements in the regional grid, including those in the State grids which are critical for regional grid operation and shall make available the said list to all concerned."		
29 (2) (c)	An important element of the grid as listed at Clause (b) of this Regulation can be taken out of service only after prior clearance of the concerned RLDC, except under emergency as per the Detailed Operating Procedure(s) of NLDC or RLDC or SLDC, as the case may be. RLDC shall inform opening or removal of any such important element (s) of the regional grid to NLDC and to the concerned regional entities who are likely to be affected, as specified in the Detailed Operating Procedure of NLDC. Comment: Since the outage planning	The clause may be modified as "An important element of the grid as listed at Clause (b) of this Regulation can be taken out of service only after prior clearance of the concerned RLDC, except under emergency as per the Detailed Operating Procedure(s) of NLDC or RLDC or SLDC, as the case may be. RLDC shall inform opening or removal of any such important element (s) of the regional grid to NLDC and to the RPCs and concerned regional entities who are likely to be affected, as specified in the Detailed Operating Procedure of NLDC."		
29 (6)	All generating units shall have their automatic voltage regulators (AVRs), Power System Stabilizers (PSSs), voltage (reactive power) controllers and any other requirement in operation, as per CEA Technical Standards for Connectivity. If a generating unit with capacity higher than 50 (fifty) MW is required to be operated without its AVR in service, the generating station shall immediately intimate to the concerned RLDC along with the reasons thereof and the likely duration of such operation and obtain its permission.	"All generating units shall have their automatic voltage regulators (AVRs), Power System Stabilizers (PSSs), voltage (reactive power) controllers and any other requirement in operation, as per CEA Technical Standards for Connectivity and the PSS Tuning guidelines as issued by NPC/CEA from time to time. If a generating unit with capacity higher than 50 (fifty) MW is required to be operated without its AVR in service, the generating station shall immediately intimate to the concerned RLDC and RPC along with the reasons thereof and the likely duration of such operation and obtain its permission."		

	Comment: NPC of CEA may develop a common procedure for tuning these devices		
	so that there is uniformity of procedures in all India grid. Such activities are being		
	undertaken by NPC CEA	-	
29(9)	Provisions of protection and relay settings shall be coordinated periodically throughout the regional grid, as per plan finalized by the respective RPC in accordance with the Protection, Testing and Commissioning Code of these regulations.	It may be modified as "Provisions of protection and relay settings shall be coordinated periodically throughout the regional grid, as per plan finalized by the respective RPC in accordance with the Protection, Testing and Commissioning Code of these regulations. <i>RPCs for this</i> <i>purpose can form working group/s in the</i> <i>region involving protection and study</i> <i>engineers of the utilities in the region. The</i> <i>nominations for such working group/s</i> <i>shall be provided by the utilities concerned</i> <i>without fail</i> "	
	Comment : This being a voluminous w	vork, it can be done by forming working	
	group/s. Utilities are reluctant to provid	e nominations and spare manpower for these	
	type of activities and therefore RPCs are	e required to be empowered to create such	
	groups within the regions.		
29(10)	RPCs shall prepare the islanding schemes in accordance with Central Electricity Authority (Grid Standards) Regulations, 2010 for identified generating stations, cities and locations and ensure its implementation. The islanding schemes shall be reviewed and augmented depending on assessment of critical loads at least once in 3 (three) years.	It may be modified as "RPCs shall prepare the islanding schemes in accordance with Central Electricity Authority (Grid Standards) Regulations, 2010 for identified generating stations, cities and locations and ensure its implementation. The islanding schemes shall be reviewed and augmented depending on assessment of critical loads at least once in 3 (three) years. <i>RLDCs and</i> <i>SLDCs shall be the nodal agencies for</i> <i>monitoring the network</i> <i>configuration/Load/generation changes</i> <i>that take place within or around the Island</i> <i>jurisdictions. Such changes in network</i> <i>configuration/Load/generation be brought</i> <i>to the notice of the RPCs by the respective</i> <i>SLDCs/RLDC.</i> "	
	Comment : The changes in network configuration/Load/generation w around the Island jurisdictions are being monitored by SLDCs/RLDCs any changes in and around Island jurisdiction is required to brought to RPCs for reviewing it.		

29 (12)	All distribution licensees, STUs and bulk consumers shall provide automatic underfrequency relays (UFR) and df/dt relays for load shedding in their respective systems to arrest frequency decline that could result in grid failure as per the plan given by the RPCs from time to time. The default UFR settings shall be as specified in Table-2 below:	It may be modified as "All distribution licensees, STUs and bulk consumers shall provide automatic underfrequency relays (UFR) and df/dt relays for load shedding in their respective systems to arrest frequency decline that could result in grid failure as per the plan given by the RPCs from time to time. <i>The default UFR settings shall be as</i> <i>specified in Table-2 below: The UFR</i> <i>settings and region wise load shedding</i> <i>quantum shall be decided by NPC in</i> <i>consultation with the stakeholders</i> "	
	Comment: The UFR schemes are defe	ense mechanism of the grid. The UFRs should	
	be used as a defense mechanism and no	ot for frequency regulation. There are enough	
	mechanisms for frequency regulation required to call for operation under en	and therefore the defense mechanism is pergency situation of frequency control. The	
	UFR relay trigger frequency settings	are required to be decided by considering	
	various factors such as islanding sche	mes trigger settings, the governor response,	
	load frequency dependance factor and other technical requirements emerging out o		
	decide the trigger frequency settings	and region wise quantum of load shedding	
	requirement for all India grid. The de- decided by NPC CEA.	fault settings specified in Table 2 should be	
29(12)	Mock drill of the islanding schemes	The clause may be modified as "Mock drill	
	shall be carried out annually by the respective RLDCs in coordination	of the <i>islanding schemes</i> SPS shall be carried out annually by the respective	
	with the concerned SLDCs and other	RLDCs in coordination with the concerned	
	users involved in the islanding	SLDCs and other <i>users involved in the</i>	
	scheme.	islanding scheme. The healthiness of the	
		frequency relays/load shedding	
		schemes/generation pickup/backaown can be tested individually by the utility	
		concerned annually and the certification	
		of healthiness of these equipment's may be	
		submitted through respective SLDCs/RLDCs to RPCs."	
	Comment : It is not possible to carry o	ut Mock drill of islanding scheme, since the	
	system frequency cannot be lowered to	the trigger frequency set for Islanding	
	schemes/generation nickup/backdown c	an be tested individually and the certification	
	of healthiness of these equipment's may be submitted to RPCs once in a year.		

30(4)	There shall be reserves as under: (a) Primary, Secondary and Tertiary reserves: (i) Primary, Secondary and Tertiary reserves shall be deployed for the purpose of frequency control, reducing area control error and relieving congestion. (ii) The response under Primary reserve shall be provided as per these regulations.	It may be modified as "There shall be reserves as under: (a) Primary, Secondary and Tertiary reserves: (i) Primary, Secondary and Tertiary reserves shall be deployed for the purpose of frequency control, reducing area control error and relieving congestion. (ii) The response under Primary reserve shall be provided as per these regulations. <i>RLDC/NLDC shall</i>
		maintain adequate primary reserves keeping in view the first stage of AUFLs trigger frequency settings.
	Comment : Adequate primary reserves above the first stage trigger setting of A	will lift the frequency if it falls and remains UFLS.
30(10)(h)	All generating stations mentioned in Table-4 (under clause (g) of this Regulation) shall have the capability of instantaneously picking up to a minimum 105% of their operating level and up to 105% or 110% of their MCR, as the case maybe, when the frequency falls suddenly and shall provide primary response. Any generating station not complying with the above requirements shall be kept in operation (synchronized with the regional grid) only after obtaining the permission of the concerned RLDC.	It may be modified as "All generating stations mentioned in Table-4 (under clause (g) of this Regulation) shall have the capability of instantaneously picking up <i>to-a</i> <i>minimum 105% of their operating level as</i> <i>per the droop characteristics of the Unit</i> <i>and the operating point setting of the</i> <i>governor</i> and up to 105% or 110% of their MCR, as the case maybe, when the frequency falls suddenly and shall provide primary response. Any generating station not complying with the above requirements shall be kept in operation (synchronized with the regional grid) only after obtaining the permission of the concerned RLDC.
	characteristics of the unit and should pr spare capacity of the unit w.r.t. their op	ovide primary response for the available perating point settings.
30.(10).(o)	NLDC, RLDCs and SLDCs shall grade the median Frequency Response Performance annually, considering at least 10 reportable events. In case the median Frequency Response Performance is less than 0.75 as calculated as per Annexure-2, NLDC, RLDCs, SLDCs, as the case may be, after analyzing the FRP shall direct the concerned entities to take corrective action.	A line may be added at the end of this clause" All such cases may be reported to RPCs for its review."

30.13.(v)	The control area wise performance of SRAS and TRAS shall be evaluated in accordance with the Detailed Procedure prepared by NLDC.	A line may be added" A SRAS and TRAS report containing all the incidents and reason where SRAS and TRAS was used, to be submitted by NLDC/RLDC to the concerned RPC every month for its review."
33 (6)	Operational planning study shall be done to assess whether the planned operations shall result in deviations from any of the system operational limits defined under these regulations and applicable CEA Standards.	It may be modified as "Operational planning study shall be done to assess whether the planned operations shall result in deviations from any of the system operational limits defined under these regulations and applicable CEA Standards. <i>The deviations if any may be put up by</i> <i>RLDC to RPC in the monthly Operation</i> <i>sub-Committee meeting of the RPCs for its</i> <i>review. RPC may propose actions against</i> <i>the Utilities who are Persistently deviating</i> <i>and shall inform the deviations to CERC.</i> "
	Comment : The clause should be moperational limits should be intimate meeting of the RPC for its review.	nodified such that the deviations from the ed to RPCs during the monthly operation
37 (1) (b)	Such analysis shall be disclosed on their respective website in formats issued by NLDC.	The clause may be modified as "Such analysis shall be disclosed on their respective website in formats issued by NLDC. <i>Also, the same shall be submitted</i> <i>to the RPC every month for review in</i> <i>Operation sub-Committee meeting of the</i> <i>RPC</i> ."
	Comments : The analysis would be revi RPCs every month so that effective plan	iewed in the Operation Committee meeting of nning and its implementation can be ensured.
37 (2) (h)	Any additional data such as single line diagram (SLD) of station, protection relay settings, HVDC transient fault record, switchyard equipment and any other relevant station data required for carrying out analysis of an event by RPC, NLDC, RLDC and SLDC shall be furnished by the users including RLDC and SLDC, as the case may be, within forty- eight (48) hours of the request. All users shall also furnish high- resolution analog data from various instruments including power electronic devices like HVDC, FACTS, renewable generation on the request of RPCs, NLDC, RLDCs or	A line may be added"RLDC shall submit the PMU data to RPCs for analysis of the event by RPC"

	SLDCs.	
	Comment: The PMU population has i will be useful for corroboration with analysis of events.	ncreased in the grid. The relevant PMU data the DRs etc. to establish the sequence and
Chapter 7 S	cheduling and Despatch Code	
45.(8) (b)	The regional entity generating stations may be required to demonstrate the declared capacity of their generating stations as and when directed by the concerned RLDC. For this purpose, RLDC, in coordination with SLDC and the beneficiaries, shall schedule the regional entity generating station upto its declared capacity as declared on day ahead basis at time of first declaration. RLDC shall ask each generating station, at least once in a year, to demonstrate the declared capacity.	The clause may be modified as "The regional entity generating stations may be required to demonstrate the declared capacity of their generating stations as and when directed by the concerned RLDC. For this purpose, RLDC, in coordination with SLDC and the beneficiary/ies, shall schedule the regional entity generating station upto its declared capacity as declared on day ahead basis at time of first declaration. RLDC shall ask each generating station, at least once in a year, to demonstrate the declared capacity. In case of annual demonstration of declared capability, all the beneficiaries of the station may be Suo-moto scheduled by RLDC in proportion to the share of the beneficiary in the station so that the station is scheduled to check its declared capability. The annual checking of the declared capability preferably shall be carried out during the lean period or the period during the generating station is scheduled by the beneficiary/ies desires demonstration of capability of any generating station. The demonstration of the declared capability of the generating station under such situation is scheduled below the declared capability, the scheduling for this purpose shall be done by RLDC in such a way that the surplus URS shall be scheduled to the beneficiary(ies) who desires to check the declared capacity. RLDC shall ensure that the demonstration of the capability be done in the blocks where the schedule to the station by beneficiaries is highest"
	bear the financial implications. In case	of annual checking, it is observed that mis
	declaration occurs generally during the	lean period and therefore this check should
	declaration occurs generally during the lean period and therefore this check should be performed during the lean period. For checking min declaration, the station has to	
	be performed during the lean period. For checking mis declaration, the station has to	

	be scheduled up to the declared capability. RLDCs needs to be empowered to raise		
	the schedule during such checking and therefore the beneficiaries are required to be		
(1)	allocated the schedule to fulfill this requ	arement.	
47.(3)(d)	schedules due to reasons of grid	RLDC revises final schedules due to	
	shall be informed immediately to the	brief reasons shall be informed immediately	
	concerned entity followed by a	to the concerned entity and RPC followed	
	detailed explanation to be posted on	by a detailed explanation to be posted on	
	RLDC website within 24 hours.	RLDC website within 24 hours."	
	Comment : The information be provide real time actions.	ed to RPC for accounting and review of the	
47.(7)	Provided further that SLDC or RLDC	The clause may be modified as "Provided	
	as the case may be, shall inform the	further that SLDC or RLDC as the case may	
	huver	seller and the buyer <i>and provide the revised</i>	
		schedule data to respective RPC for	
		accounting"	
	Comment : The information be provide	ed to RPC for accounting.	
47 (9) (a)	The CTU shall be responsible for	It may be modified as "The CTU shall be	
	installation, operation and periodic	responsible for framing the requirement	
	(IFMs) covering all the ISTS	and procurement of interface Energy Matars (IFMs) covaring all the interface	
	interface points, points of connections	points, points of connections between the	
	between the regional entities, cross	regional entities, cross border entities and	
	border entities and other identified	other identified points for recording of	
	points for recording of actual active	actual active and reactive energy	
	and reactive energy interchanged in	interchanged in each time-block through	
	each time-block through those points.	those points. Also, CTU shall identify the	
		agencies eligible for calibration of the IFMs for every region and the procedure	
		for calibration of the IEMs, in	
		consultation with RPCs/RLDCs. CTU shall	
		chalk out the plan of calibration of all the	
		IEMs in each region in consultation with	
		RLDC/RPC. The Utility which is	
		responsible for maintaining bay	
		installation. operation and periodic	
		calibration of Interface Energy Meters	
		(IEMs) as per the procedure laid out by	
		CTU in consultation with RLDCs/RPCs.	
		CTU shall also be responsible for	
		procuring of the meters for replacement of	
		jauny meters and maintaining adequate spare meters with a designated Utility as	
<u> </u>		spure meters with a designated Unity as	

		per their MoU with that Utility. The requirement of faulty meters and spare meters shall be intimated by RLDCs to CTU. CTU on receipt of requirement for replacement of IEMs from the Utility, shall arrange the IEMs to the Utility. The Utility responsible for maintain the bay equipment's shall make arrangement to collect the IEMs from CTU and replace the faulty IEMs without any delay. If there
		exist a technical feasibility, the IEM data
		can be streamed online to SLDCs and
	Comment. The new envilation are no	RLDCs for taking operational decisions. "
	of the IEMs. As far as CTU is concerned they may not be in position to installation, operation and periodic calibration of IEMs in the field. Therefore, the utility responsible for maintain the bay equipment's shall be responsible for installation,	
	operation and periodic calibration of IEMs in the field. The Utilities responsible for	
	maintain the IEMs do not take it seriou	sly, since it does not affect them. However, it
	affects the DISCOMs due to improper	accounting. The IEMs are the most accurate
	measurement equipment's in the syste	em and data, if technically feasible, can be
47 (0) (£)	streamed online to SLDCs and RLDCs	for taking operational decisions.
47 (9) (I)	entities in whose premises the IEMs	Clause (V) & (VI) may be added as (V) Ine
	(i) monitoring the healthiness of the	equipment's shall be responsible for
	CT and PT inputs to the meters, (ii)	attending the time drift of the meters and
	taking weekly meter readings for the	maintenance of the meters and should
	seven day period ending on the	promptly replace the faulty meters so that
	preceding Sunday 2400 hrs and	accounting is not affected. The availability
	transmitting them to the RLDC by	of the bay or associated element should be
	Tuesday noon, in case such readings	deemed to be unavailable till the time drift
	nave not been transmitted through	and faulty meter is not replaced within
	(AMR) facility (iii) monitoring and	certification purpose"
	ensuring that the time drift of IEM is	(vi) The failure to ensure the above (i) to
	within the limits as specified in CEA	(v) will be intimated to the RPC and if the
	Metering Regulations 2006 and (iv)	provisions are not adhered too within a
	promptly intimating the changes in	reasonable time, the availability of the bay
	CT and PT ratio to RLDC.	or associated element should be deemed to
		be unavailable for availability certification
	Comment: The Litilities responsible	<i>purpose.</i> for maintain the IFMs do not do it seriously
	since it does not affect them. However, it affects the DISCOMs due to improper	
	accounting. Therefore, a penalty may be imposed on such utilities if they fail to	
	maintain the IEMs.	

47.(9)(j)	RLDC shall forward the IEM	The clause may be modified as " RLDC shall
	readings and the implemented	forward the IEM readings and the
	schedule to the concerned RPC on a	implemented schedule to the concerned
	weekly basis by each Friday for the	RPC on a weekly basis by each <i>Friday</i>
	preceding seven days period ending	Thursday for the preceding seven days
	on the preceding Sunday mid-night,	period ending on the preceding Sunday
	to enable the latter to prepare and	mid-night, to enable the latter to prepare
	issue the various accounts such as	and issue the various accounts such as
	Deviation Settlement Mechanism	Deviation Settlement Mechanism (DSM),
	(DSM), reactive charges, congestion	reactive charges, congestion charges,
	charges, ancillary services, SCED,	ancillary services, AGC, SCED, heat rate
	heat rate compensation charges and	compensation charges and regional
	regional transmission deviation in	transmission deviation in accordance with
	accordance with relevant regulations.	relevant regulations."
	Comment : If the data is received by Thursday, the accounts can be prepared,	
	checked and issued by the following Tu	esday by RPCs. RPCs should be given
	sufficient time since the number of acco	ounts to be issued weekly have increased and
	it is a voluminous work of issuing week	ly accounts for RPCs.
Annexure-4		
1.(1)	(a) The regional entity pays for VAr	(a) The regional entity/generating station
	drawal when voltage is below 97%	pays for VAr drawal when voltage is below
		97%
	(b) The regional entity gets paid for	(b) The regional entity/generating station
	VAr return when voltage is below	gets paid for VAr return when voltage is
	97%.	below 97%.
	(c) The regional entity gets paid for	(c) The regional entity/generating station
	VAr drawal when voltage is	gets paid for VAr drawal when voltage is
	above103%	above103%
	(d) The regional entity pays for VAr	(d) The regional entity/generating station
	return when voltage is above 103%.	pays for VAr return when voltage is above
		103%.
	Comment : generators also needs to be incentivize/disincentivize for control the Var	
	for voltage regulation.	