Annexure-18

HP Power Transmission Corporation Limited

Status of Metering **Form No: P2**

		PY (Actual) FY (n-3)					PY (Actual) FY (n-2)					PY (Actual) FY (n-1)					CY (Estimate) FY (n)			
	Particulars	No of interface points at the end of Year	No of meters targeted to be installed during the Year	No. of meters installed during the Year	No of defective interface meters at the end of the Year	No of interface points without meters at the end of the Year	No of interface points at the end of Year	No of meters targeted to be installed during the Year	No. of meters installed during the Year	No of defective interface meters at the end of the Year	No of interface points without meters at the end of the Year	No of interface points at the end of Year	No of meters targeted to be installed during the Year	No. of meters installed during the Year	No of defective interface meters at the end of the Year	No of interface points without meters at the end of the Year	No of interface points at the end of Year	No of meters targeted to be installed during the Year	No. of meters installed during the Year	No of defective interface meters at the end of the Year
	Meters																			
1	Licensee																			
2	CPP wheeling																			
3	HT consumer wheeling																			
4	Other States energy wheeling																			
	Electronic Meters																			
1	Licensee																			
2	CPP wheeling																			
3	HT consumer wheeling																			
4	Other States energy wheeling																			

-NA-

Note - Transmission Line Bays at both ends of the existing line are either owned by HPSEBL or by others States. Therefore meters installed at both ends of the line are not owned by HPPTCL. Hence, the information against above format is NIL. However, HPPTCL plan to install its own meters at both end of the existing lines which have been perposed to be installed in the CAPEX/Business plan

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Form No: P2

	EY (Estimate) FY (n+1)					EY (Estimate) FY (n+2)					EY (Estimate) FY (n+3)					EY (Estimate) FY (n+4)					EY (Estimate) FY (n+5)				
No of interface points without meters at the end of the Year	No of interface points at the end of Year	No of meters targeted to be installed during the Year	No. of meters installed during the Year	No of defective interface meters at the end of the Year	No of interface points without meters at the end of the Year	No of interface points at the end of Year	No of meters targeted to be installed during the Year	No. of meters installed during the Year	No of defective interface meters at the end of the Year	No of interface points without meters at the end of the Year	No of interface points at the end of Year	No of meters targeted to be installed during the Year	No. of meters installed during the Year	No of defective interface meters at the end of the Year	No of interface points without meters at the end of the Year	No of interface points at the end of Year	No of meters targeted to be installed during the Year	No. of meters installed during the Year	No of defective interface meters at the end of the Year	No of interface points without meters at the end of the Year	No of interface points at the end of Year	No of meters targeted to be installed during the Year	No. of meters installed during the Year	No of defective interface meters at the end of the Year	No of interface points without meters at the end of the Year

NA

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Voltage Profile

Form No: P3

Sl.No.	Particulars	First six months of FY (n-1)		Last six months of FY (n-1)		CY (n)		Corrective measures proposed
	Substation wise*	Percentage of time		Percentage of time		Percentage of time		
	At 220/132/66 kv side of transformer	when voltage was		when voltage was		when voltage was		
	(incoming point of 220 kv/132kV/66KV bus)	below	above	below	above	below	above	
	Include all feeders	(9%)	(6%)	(9%)	(6%)	(9%)	(6%)	
				NIL				

*The assets transferred from HPSEBL to HPPTCL comprise of only transmission lines. The originating and terminating feeder bays and associated substations are either owned by the HPSEBL or by the power utilities of other states.

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Frequency Excursion **Form No: P4**

S No	Particulars	FY (n-3)		FY (n-2)		FY (n-1)		CY (n)		Reasons For Failure
		< 48.5 Hz	> 50.5 Hz	< 48.5 Hz	> 50.5 Hz	< 48.5 Hz	> 50.5 Hz	< 48.5 Hz	> 50.5 Hz	
1	April	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
2	May	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
3	June	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
4	July	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
5	August	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
6	September	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
7	October	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
8	November	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
9	December	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
10	January	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
11	February	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
12	March	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
	Total									

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Abstract of outages due to tripping in HT feeders

Form No: P5

S.No	Particulars	2014-15				2015-16				2016-17				2017-18				Corrective Measures Proposed In the Control Period to Avoid Trippings
	Feeder & S/S details	Time Of Outage				Time Of Outage				Time Of Outage				Time Of Outage				
		Number	Hr	Mins	Total Mins	Number	Hr	Mins	Total Mins	Number	Hr	Mins	Total Mins	Number	Hr	Mins	Total Mins	
1	**400 KV Feeders**																	
2	**220 KV Feeders**																	
	220 KV Nalagarh (PGCIL) - Nalagarh line Ckt. I	10	6	5	365	13	14	28	868	5	3	19	199	12	12	12	732	Preventive maintenaces is being carried out to avoid the outages of transmission lines.
	220 KV Nalagarh (PGCIL) - Nalagarh line Ckt. II	8	9	33	573	4	4	25	265	5	3	22	192	7	11	14	674	
	220 KV Dehar - Kangoo line	7	2	2	122	3	2	42	162	6	4	24	264	3	2	58	178	
	220 KV S/C Jassure - Thein line	4	85	40	5140	6	24	8	1448	3	04	58	298	2	02	13	133	
	220 KV Kunihar-Panchkula Ckt. I	10	6	5	365	13	14	28	868	5	3	19	199	12	12	12	732	
	220 KV Kunihar-Panchkula Ckt. II	8	9	33	573	4	4	25	265	5	3	22	192	7	11	14	674	
	220 KV D/C Khodri-Majri	17	37	45	2265	17	29	11	1751	16	22	33	1353	9	38	6	2286	
3	**132 KV Feeders**																	
	132 KV Dehar-Kangoo line.	11	5	32	332	2	0	19	19	6	3	19	199	5	3	49	229	
	132 KV S/C Kangra Tap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	132 KV Giri-Abdullapur line.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	**66 KV Feeders**																	
	66 KV S/C Pinjore-Parwanoo line	0	0	0	0	1	1	10	70	0	0	0	0	1	9	15	555	
	66 KV Pong-Sansarpur line.	11	9	48	588	28	20	58	1258	17	8	0	480	17	41	22	2482	
	66 KV Bhakra-Una LILO Gwalthai Line	19	29	42	1782	26	71	52	4312	34	182	44	10964	15	203	41	12221	
	66 KV Shanan-Bijni line.	62	85	54	5154	42	33	0	1980	33	73	3	4398	22	21	9	3091	
5	**Power Transformer**																	
	Note - The assets transferred from HPSEBL to HPPTCL comprise of only transmission lines. The originating and terminating feeder bays and associated substations are either owned by the HPSEBL or by the power utilities of other states.																	

19/2/19

(Er. Pritam Chand)
Chief Engineer (ES)
HPSEBL, Hamirpur

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Failure of Transformers **Form No: P6**

S.No	Particulars		FY (n-3)		FY (n-2)		FY (n-1)		FY (n)		Reasons For Failure & Corrective Actions proposed to minimise
			Number	%	Number	%	Number	%	Number	%	
1	EHT Transformer	Auto Transformer	NIL								
		Power Transformer									
2	Power Transformer (HT)										

*The assets transferred from HPSEBL to HPPTCL comprise of only transmission lines. The originating and terminating feeder bays

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Major System Disturbances (Grid Disturbances)

Form No: P7

Sl.No.	Particulars	PY3 FY (n-3)	PY2 FY (n-2)	PY1 FY (n-1)	CY FY (n)
1	Number of disturbances (Major Grid Collapse)	NIL			
2	Total Duration of Disturbances				
3	Estimated unserved energy due to such interruption				
4	Number of occassions when State system was isolated from the Regional Grid due to system disturbance affecting power supply in the State.				
5	Number of occassions when system remained stable after having being isolated from the Regional Grid due to system disturbance.				
6	Remedial measures to prevent grid System disturbance.				

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lectrical Accidents

Form No: P8

l.No	Particulars	FY (n-3)				FY (n-2)				FY (n-1)				FY (n)				Corrective Measures Proposed In The Control Period to Avoid Accidents
	Feeder & S/S details	Fatal		Non-Fatal	Total	Fatal		Non-Fatal	Total	Fatal		Non-Fatal	Total	Fatal		Non-Fatal	Total	
		Human	Animal	Human		Human	Animal	Human		Human	Animal	Human		Human	Animal	Human		
		NIL																
	Total																	

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Chief Engineer (ES)
HPSEBL, Hamirpur

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HP Power Transmission Corporation Limited

Peak Demand in MW

Form No: P9

Sl.No.		PY5	PY4	PY3	PY2	PY1	CY	Control Period				
		FY (n-5)	FY (n-4)	FY (n-3)	FY (n-2)	FY (n-1)	FY (n)	FY (n+1)	FY (n+2)	FY (n+3)	FY (n+4)	FY (n+5)
1	Peak Period											
	a) Winter			555	577	585	531					
	b) Summer			505	535	523	568					
	c) Other			540	592	604	551					
2	Maximum Peak Demand											
	a) Restricted											
	b) Unrestricted											
3	Peak Availability Assessed By Transco											
4	Shortfall in meeting Peak Demand											
	a) Restricted											
	b) Unrestricted											

Notes:- The assets transferred from HPSEBL to HPPTCL comprise of only transmission lines. The originating and terminating feeder bays and associated substations are either owned by the HPSEBL or by the power utilities of other states.

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