

ANNEXURE 4

Sample Bill of Prosumer (Commercial) Over Injection Net Metering

	Details		Unit
A	Energy Purchased from Discom	15,000.00	kWh
B	P2P Scheduled Energy	2,400.00	kWh
C	Energy Sold to P2P Platform	2,800.00	kWh
D	Contracted Demand	20.00	KW
G	Load on P2P Platform	20.00	KW
H	Energy Charges For energy supplied by Discom	8.75	Rs./kWh
I	Demand Charges For energy supplied by Discom	450.00	Rs./kW
J	Wheeling charges	0.92	Rs./kWh
K	Transaction Charge (on P2P transaction)	0.21	Rs./kWh
L	Mutually agreed transaction price (assumed to be same for all time blocks)	5.00	Rs/kWh

Bill for Prosumer by Discom

M	Energy Charges For energy supplied by Discom (1000*7.5+(H*(A-1000)))	1,30,000.00	Rs.
N	Demand Charges For energy supplied by Discom (D*I)	9,000.00	Rs.
O	Total (M+N)	1,39,000.00	Rs.

Bill for transaction on P2P Platform

Receivable			
P	Receivable from energy sold on P2P (B*L)	12,000.00	Rs.
Q	Saving from net metering [(C-B)*H]#	3,500.00	Rs.

Charges

R	Under Injection Charges	-	Rs.
S	Service Provider Transaction Charges (B*K)	504.00	Rs.

T	Total amount payable towards Discom charges (O+R)	1,39,000.00	Rs.
U	Total Receivable towards P2P and over injection (P+Q)	15,500.00	Rs.
V	Service Provider Transaction Charges Payable (S)**	504.00	Rs.
W	Net amount payable (T-U+V)	1,24,004.00	Rs.

**Discom to remit these charges to Service Provider

the savings from over injection will be adjusted next month

Benefit analysis for Prosumer

Case: Net Metering (Assuming 100% self consumption. Assuming Net Metering was granted to Commercial Prosumer prior to UPERC RSPV Regulations, 2019)

AE	Saving by net metering (C*H)	24,500.00
AF	Net benefit from Energy Sold under P2P (U-V)	14,996.00
AG	Net Benefit of P2P vs Net Metering (AF - AE)	-9,504.00

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ANNEXURE 5

Sample Bill of Consumer (Commercial) No imbalance			
	Details		Unit
A	Energy Purchased from Discom	12,000.00	kWh
B	P2P Scheduled Energy	2,800.00	kWh
C	Energy Purchased from P2P Platform	2,800.00	kWh
D	Contracted Demand	20.00	KW
E	Energy Charges For energy supplied by Discom	8.75	Rs./kWh
F	Demand Charges For energy supplied by Discom	450.00	Rs./kW
G	Wheeling charges	0.92	Rs./kWh
H	Transaction Charge (on P2P transaction)	0.21	Rs./kWh
I	Mutually agreed transaction price (assumed to be same for all time blocks)	5.00	Rs/kWh

Bill for Consumer by Discom			
J	Energy Charges For energy supplied by Discom [1000*7.5+(E*(A-1000))]	1,03,750.00	Rs.
K	Demand Charges For energy supplied by Discom (D*F)	9,000.00	Rs.
L	Total (J+K)	1,12,750.00	Rs.

Bill for transaction on P2P Platform			
Payable			
M	Payable from energy bought on P2P (C*I)	14,000.00	Rs.

Charges			
N	Open Access Charges: Wheeling charges (B*G)	2,576.00	Rs.
O	Under drawal charge (B-C)*I	-	Rs.
P	Service Provider Transaction Charges (B*H)	588.00	Rs.

Q	Total amount payable towards Discom charges (L+N+O)	1,15,326.00	Rs.
R	Total Payable towards P2P energy (M)	14,000.00	Rs.
S	Service Provider Transaction Charges (P)**	588.00	Rs.
T	Net amount payable (Q+R+S)	1,29,914.00	Rs.

**Discom to remit these charges to Service Provider

Net benefit to Consumer [C*(E-I)-N-O-S] ₹ 7,336.00

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ANNEXURE 6

Sample Bill of Consumer (Commercial) Underdrawal			
	Details		Unit
A	Energy Purchased from Discom	12,000.00	kWh
B	P2P Scheduled Energy	2,800.00	kWh
C	Energy Purchased from P2P Platform	2,600.00	kWh
D	Contracted Demand	20.00	KW
E	Energy Charges For energy supplied by Discom	8.75	Rs./kWh
F	Demand Charges For energy supplied by Discom	450.00	Rs./kW
G	Wheeling charges	0.92	Rs./kWh
H	Transaction Charge (on P2P transaction)	0.21	Rs./kWh
I	Mutually agreed transaction price (assumed to be same for all time blocks)	5.00	Rs/kWh

Bill for Consumer by Discom			
J	Energy Charges For energy supplied by Discom $[1000*7.5+(E*(A-1000))]$	1,03,750.00	Rs.
K	Demand Charges For energy supplied by Discom $(D*F)$	9,000.00	Rs.
L	Total $(J+K)$	1,12,750.00	Rs.

Bill for transaction on P2P Platform			
Payable			
M	Payable from energy bought on P2P $(C*I)$	13,000.00	Rs.

Charges			
N	Open Access Charges: Wheeling charges $(B*G)$	2,576.00	Rs.
O	Under drawal charge $(B-C)*I$	1,000.00	Rs.
P	Service Provider Transaction Charges $(B*H)$	588.00	Rs.

Q	Total amount payable towards Discom charges $(L+N+O)$	1,16,326.00	Rs.
R	Total Payable towards P2P energy (M)	13,000.00	Rs.
S	Service Provider Transaction Charges (P)**	588.00	Rs.
T	Net amount payable $(Q+R+S)$	1,29,914.00	Rs.

**Discom to remit these charges to Service Provider

Net benefit to Consumer $[C*(E-I)-N-O-S]$ ₹ 5,586.00

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ANNEXURE 7

Sample Bill of Consumer (Commercial) Overdrawal

	Details		Unit
A	Energy Purchased from Discom	12,000.00	kWh
B	P2P Scheduled Energy	2,600.00	kWh
C	Energy Purchased from P2P Platform	2,600.00	kWh
D	Overdrawn energy	200.00	kWh
E	Contracted Demand	20.00	KW
F	Energy Charges For energy supplied by Discom	8.75	Rs./kWh
G	Demand Charges For energy supplied by Discom	450.00	Rs./kW
H	Wheeling charges	0.92	Rs./kWh
I	Transaction Charge (on P2P transaction)	0.21	Rs./kWh
J	Mutually agreed transaction price (assumed to be same for all time blocks)	5.00	Rs/kWh

Bill for Consumer by Discom			
K	Energy Charges For energy supplied by Discom [$1000*7.5+(F*(A+D-1000))$]	1,05,500.00	Rs.
L	Demand Charges For energy supplied by Discom (E*G)	9,000.00	Rs.
M	Total (K+L)	1,14,500.00	Rs.

Bill for transaction on P2P Platform			
Payable			
N	Payable from energy bought on P2P (C*J)	13,000.00	Rs.

Charges			
O	Open Access Charges: Wheeling charges (B*H)	2,392.00	Rs.
P	Under drawal charge (B-C)*J	-	Rs.
Q	Service Provider Transaction Charges (B*I)	546.00	Rs.

R	Total amount payable towards Discom charges (M+O+P)	1,16,892.00	Rs.
S	Total Payable towards P2P energy (N)	13,000.00	Rs.
T	Service Provider Transaction Charges (Q)**	546.00	Rs.
U	Net amount payable (R+S+T)	1,30,438.00	Rs.

**Discom to remit these charges to Service Provider

Net benefit to Consumer [$C*(F-J)-O-P-T$] ₹ 6,812.00

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