

Charges for 2009-10

Case 1 Charges for 5 MW at 33 KV industrial consumer availing short-term open access for 1 month
(based on T O 2009-10)

S No	Load at drawal point		MW	A	5			
1	Base energy consumption		kwh	$B=A \times 1000 \times 24 \times 30$	3600000			
2	Transmission Loss of % in kind which will be deducted from the energy input.		%	C	5			
3	Wheeling Loss of % in kind which will be deducted from the energy input.		%	D	6			
4	Load at injection point for users of 132/132 KV network or load at entry point of T network for users of 33/132 KV network		MW	$E=A/(1-C/100)$	5.26			
5	Load at injection point for users of 132/33 KV network		MW	$F=A/(1-D/100)$	5.32			
6	Energy injection for users of 132/33 or 33/33 or 33/132 KV network		kwh	$G=B/(1-D/100)$	3829787.234			
7	Particulars				Case 1	Case 2	Case 3	Case 4
	Injection Voltage level				132	132	33	33
	Drawal Voltage level				132	33	33	132
		Applicable Tariff (Charges)		Calculations	Rs	Rs	Rs	Rs
8	Transmission Charges	Rs/MW/day	593	$I=593 \times E \times 30$ (for 132/132 and 33/132) and $I=593 \times F \times 30$ (for 132/33)	93632	94628	0	93632
9	Wheeling Charges	paise per kwh	17	$J=17 \times G/100$	0	651064	651064	651064
10	Operating Charge (SLDC Charges)	Rs per day	2000	K	60000	60000	60000	60000
11	Reactive Energy Charges	Rs per kvarh		L	0	0	0	0
12	Cross Subsidy	132 KV paise per kwh	71	$M=71 \times B/100$	2556000	0	0	2556000
13	Surcharge	33 KV paise per kwh	30	$N=30 \times B/100$	0	1080000	1080000	0
14	Additional	Nil		O	0	0	0	0
15	Interconnection	Nil		P	0	0	0	0
16	Standby Charges	Nil		Q	0	0	0	0
17	Parallel operation charges	Rs/KVA/month	0	R	0	0	0	0
18	Other Charge			S	0	0	0	0
19	Connectivity	Nil		T	0	0	0	0
20	OA Application	Rs	5000	U	0	0	0	0
21	OA agreement fee	Rs	50000	V	0	0	0	0
22	Net Open Access	Rs		$W=\sum(I:V)$	2709632	1885691	1791064	3360695
23	Effective Open	Rs/kwh		$X=W/B$	0.75	0.52	0.50	0.93

Note :

1. Open access application fee and open access agreement fees are one time charge and it is not billed on monthly basis.
2. Parallel operation charges and reactive energy charges is levied only to captive generating plant
3. There is no transmission charges for users availing only distribution system(33 KV network)
4. There is no wheeling charges for users availing only transmission system(132 KV and above network)
5. As per intra-state Open access Regulations, where the point of injection and point of drawal of the open access customer, are at different voltage levels the charges payable in kind will be 50% of the technical loss prevalent at the injection point and 50% of the technical loss prevalent at drawl point, which however shall not be less than the charges prevailing at the lower voltage."

Case 1 Charges for 5 MW at 33 KV industrial consumer availing long-term open access for 1 month									
S No	Load at drawal point			MW	A	5			
1	Base energy consumption			kwh	$B=A \times 1000 \times 24 \times 30$	3600000			
2	Transmission Loss of % in kind which			%	C	5			
3	Wheeling Loss of % in kind which will be			%	D	6			
4	Load at injection point for users of			MW	$E=A/(1-C/100)$	5.26			
5	Load at injection point for users of			MW	$F=A/(1-D/100)$	5.32			
6	Energy injection for users availing			kwh	$G=B/(1-D/100)$	3829787.23			
7	Particulars				Case 1	Case 2	Case 3	Case 4	
	Injection Voltage level				132	132	33	33	
	Drawal Voltage level				132	33	33	132	
		Applicable Tariff (Charges)		Calculations	Rs	Rs	Rs	Rs	
8	Transmission Charges	Rs/MW/day	72115	$I=72115 \times E$ (for 132/132 and 33/132) and $I=72115 \times F$ (for 132/33)	379553	383590	0	379553	
9	Wheeling Charges	paaise per kwh	17	$J=17 \times G/100$	0	651064	651064	651064	
10	Operating Charge (SLDC Charges)	Rs per day	0	K	0	0	0	0	
11	Reactive Energy Charges	Rs per kvarh		L	0	0	0	0	
12	Cross Subsidy	132 KV	paaise per kwh	71	$M=71 \times B/100$	2556000	0	0	2556000
13	Surcharge	33 KV	paaise per kwh	30	$N=30 \times B/100$	0	1080000	1080000	0
14	Additional	Nil		O	0	0	0	0	
15	Interconnection	Nil		P	0	0	0	0	
16	Standby Charges	Nil		Q	0	0	0	0	
17	Parallel operation charges	Rs/KVA/month	10	R	0	0	0	0	
18	Other Charge			S	0	0	0	0	
19	Connectivity	Nil		T	0	0	0	0	
20	OA Application	Rs	5000	U	0	0	0	0	
21	OA agreement fee	Rs	50000	V	0	0	0	0	
22	Net Open Access	Rs		$W=\text{sum}(I:V)$	2935553	2114654	1731064	3586616	
23	Effective Open	Rs/kwh		$X=W/B$	0.82	0.59	0.48	1.00	

Case 2 Tariff for consumers taking power from licensee, Load is 5 MW					
S No	Charges			Calculations	
1	Monthly consumption	kwh		$A=5000 \times 30 \times 24$	3600000
2	Demand Charges	Rs/KVA/month	310	$B=310 \times 5.55 \times 1000 \times 0.75$	1290375
3	Energy Charges	Rs/unit	2.8	$C=2.80 \times A$	10080000
4	Subsidy by State	Rs	0	D	0
7	Any other Charges	%	8	$E=C \times 8/100$	806400
8	Total Charges per	Rs		$F=\text{Sum}(B:E)$	12176775
9	Effective Charge	Rs/unit		$G=F/A$	3.38

Note: Tariff mentioned above is for 'Other HT industries' category