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GOVERNMENT OF GOA

EXTRAORDINARY

No. 2

GOVERNMENT OF GOA

Department of Power

Office of the Chief Electrical Engineer

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Notification

120/2/CEE/TECH

Whereas the Government of Goa vide Notification No.120/2/CEE/TECH dated 10-4-2002, published in the Official Gazette, Extraordinary, Series I No. 2, dated 11-4-2002, notified Electricity Supply Tariffs for the State of Goa, in exercise of the powers conferred by section 23 read with section 51A of the Indian Electricity Act, 1910 (Central Act 9 of 1910) (hereinafter called the "said Notification");

Now, in pursuance of sections 172 and 185 of the Electricity Act, 2003 (Central Act 36 of 2003), (hereinafter referred to as the "said Act") read with section 6 of the General Clauses Act, 1897 (Act 10 of 1897) and all other powers enabling it in this behalf, the Government of Goa hereby issues the following directions with reference to said Notification, which shall be subject to the tariffs that may be determined by the State Electricity Regulatory Commission as and when constituted under the said Act so as to eliminate the disparities in tariffs chargeable to different consumers.

In the said Notification, in the Schedule,–

(I) in the "General Conditions", for the item (*13*), the following items shall be substituted, namely:—

"*(13)(a) Power Factor Incentives.*— All High Tension and Extra High Tension installations where the Power Factor is maintained above 0.95 lagging, shall be eligible for a rebate @ 1% of the energy charges only for every 1% improvement in the Power Factor above 0.95 lagging.

In addition, all bulk power consumers of this category having a consumption of 1.5 million units or more during the billing month shall be eligible for a rebate of 2% on energy charges only for raising of the Power Factor from 0.99 lagging to unity.

(13)(b) Load Factor Incentives.— All High Tension and Extra High Tension bulk power consumers having a consumption of 1.5 million units or more during the billing month and having a Load Factor over 75% upto 85% shall be eligible to a rebate of 0.75% on the energy charges for every percentage point increase in Load Factor from 75% to 85%. Consumers having a Load Factor over 85% shall be eligible to a rebate of 1% on the energy charges for every percentage point increase in Load Factor from 85%.

The total rebate under this head shall, however, be limited to a ceiling of 15% of the energy charges for that consumer.

Further, the above Load Factor incentives shall be subject to the following conditions:—

(*i*) Actual recorded maximum demand during the billing month shall not exceed the contract demand.

(*ii*) TOD metering is to be provided by the consumer and provisions of the Tariff Notification shall be applicable accordingly.

(*iii*) the consumer shall have no arrears outstanding with the Department as on billing date and shall make the current payments within 7 (seven) days from the date of issue of the bill. The consumer shall be responsible to collect the bill and to make payments on time.

(*iv*) The total permissible limits of Harmonic Current Distortion shall not exceed as indicated in the table below:

Sr. No.	Category	Harmonic Order(n)	Limits of Harmonic Current Distortion(%)
(1)	(2)	(3)	(4)
1.	Odd, Non triplen	5	6
		7	5.1
		11	2.2
		13	2.2
		17	1.8
		19	1.7
		23	1.1
		25	1.1
		> 25	0.4
2.	Triplen	3	7.5
		9	2.2
		15	0.8
		21	0.4
		>21	0.4
3.	Even	2	10
		4	3.8
		6	1.5
		8	0.5
		10	0.5
		12	0.5
		>12	0.5
	TOTAL:		12%

For the purpose of measuring Harmonics at the consumers premises the consumer shall provide at his cost the required equipments along with Harmonic measuring instrument of approved make and design by the Department, capable of measuring upto 31st Harmonic. The Harmonic measuring instrument shall be got tested by the consumer from the testing house/Laboratory as approved by the Department.

The Department shall have the right to measure at any time the Harmonic Current Distortion at the customer's connection point. The measurements shall be taken in accordance with methodologies of IEC 61000-4-7 or IEEE STD 519-1992 and shall be for atleast 24 hours long at 10 minutes measurement intervals.

(v) The Load Factor shall be calculated in the following manner:—

$$\text{Load Factor} = \frac{\text{Consumption during the billing month in MU}}{\text{Maximum consumption possible during the billing month in MU}}$$

Maximum Consumption = Contract Demand(KVA) x (Actual Power Factor during the billing month)

x (Total number of hours during the billing month)"

(II) in the "Definitions", after item (e), the following "Note" shall be inserted, namely:—

"*NOTE*:- Whenever maximum demand of the installation exceeds the contract demand and on retrieval of metering data from the electronic T.V. meter installed in the consumer premises if it is found that the maximum demand has exceeded only for one or two half hour blocks during the month, such consumer will not be liable to be billed demand charges at penal rate and such maximum demand will not be considered as billing demand, provided however, that, in the event of such incidents exceeding more than two times in six months period, this exemption shall not be available for the third or subsequent event".

(III) Under the heading: (A) LOW TENSION SUPPLY", after item "3 (a) Tariff-LTP/Mixed (Hotel Industries)", the following item shall be inserted, namely:—

"3 (b) *Tariff LTP-Ice Manufacturing*– Applicable to industrial units engaged in ice manufacturing where the total connected load of the installation is not more than 70 HP/KVA and 100 HP/KVA out side the industrial estate and within the industrial estate, respectively.

Tariff KWH/Month	Ps/Unit (KWH)
All consumption during the month	295

Minimum Charges:– Rs.25/-(Rupees twenty five only) per KVA/HP/per month of connected load or part thereof.

Note:

(i) The power factor should not in any case fall below 0.85 lagging. If the power factor is lower than 0.85 lagging, the consumer shall install capacitors to bring the power factor to at least 0.85 lagging. In case power factor is found to be lower than 0.85 lagging, penal charges at the rate of 2.5% on the monthly bill corresponding to the energy charges only shall be levied. In case the power factor is less than 0.7 lagging, the installation is liable to be disconnected.

(ii) The bonafide factory lighting for this category of consumers will be billed at "LTP-Ice Manufacturing tariff" only. A separate energy meter for recording energy consumed towards factory lighting for new installation need not be provided. For the existing installations, till the factory lighting meter's mains are shifted to main meter, the total energy consumption shall be arrived by adding the energy consumption of "LTP-Ice Manufacturing" energy meter and factory lighting meter".

(IV) Under the heading "(B) HIGH TENSION SUPPLY—

(i) after item "8 Tariff HTI/Industrial", the following item shall be inserted, namely:—

"8(a) *Tariff HTI/Ice Manufacturing*.— Applicable to industrial units engaged in ice manufacturing where supply of power is made at 11 KV and above for a contract demand of 100 KVA/HP or as may be decided by the Chief Electrical Engineer.

Energy Charges	Ps/Unit (KWH)
All consumption during the month	280

Minimum Charges:— Rs.25/- (Rupees twenty five only) per KVA/HP/per month of connected load or part thereof.

Note:

(*a*) Lighting upto 10% of the monthly energy consumption is allowed under HTI tariff for bonafide factory lighting purpose. Excess is chargeable at Tariff as specified under item (A) 2 in said Notification, under the heading "Tariff-LTC//Commercial".

(*b*) For staff quarters, rest/guest houses, street lighting in the colony situated separately from the main factory and when distribution lines, service lines, meter, etc., are permitted to be owned and maintained by HT consumer, all energy consumed shall be charged at Tariff as specified under item(A)-1(a) in said Notification, under the heading "Tariff-LTD/Domestic and Non-Commercial".

(*c*) The power factor shall not in any case fall below 0.85 lagging. In case the power factor is found to be lower than 0.85 lagging, penal charges at the rate of 0.5% on the monthly bill corresponding to demand charges and energy charges only shall be levied for every 0.01 by which the power factor falls below 0.85 lagging. In case the power factor is less than 0.7 lagging, the installation is liable for disconnection".

(V) under item "9 H.T. Industrial (Ferro Metallurgical/Steel Melting /Power Intensive)", in the Note, for clause (*e*), the following clause shall be substituted, namely:—

"(*e*) In the event that the industry is closed continuously for a period of seven days or more and such period of closure of the industry begins in one month and ends in next month with the Departments incoming Gang Operated Air Break(GOAB) switch of the installation kept open, in such cases, the demand charges may be billed on pro-rata basis considering the period of shut down, by adjusting the bills of both months in which the shut down period occur respectively. Similarly, for computing the energy charges, falling in respective months, pro-rata reduced demand shall be considered. Simultaneously, the number of units of electricity chargeable at different slabs of tariff shall also be reduced on same pro-rata basis".

(VI) under item 14 HT Industrial (Steel Rolling), in the Note, for clause (*e*), the following clause shall be substituted, namely:—

"(*e*) In the event that the industry is closed continuously for a period of seven days or more and such period of closure of the industry begins in one month and ends in next month with the Departments incoming Gang Operated Air--Break(GOAB) switch of the installation kept open, in such cases, the demand charges may be billed on pro-rata basis considering the period of shut down, by adjusting the bills of

both months in which the shut down period occur respectively. Similarly, for computing the energy charges, falling in respective months, pro-rata reduced demand shall be considered. Simultaneously, the number of units of electricity chargeable at different slabs of tariff shall also be reduced on same pro-rata basis".

(VII) Under the item "16 Time of the day tariff", —

(*a*) for clause (*4*), the following clause shall be substituted, namely:—

"(*4*) For EHI/HTI industrial consumers, rebate on energy (KWH) charges for the energy (KWH) consumed during night off peak hours between 22.00 hours to 06.00 hours during the billing month, a 25% rebate on the energy consumed during peak hours is admissible at the rate of normal lowest slab of prevailing energy charges as applicable to the EHTI/HTI category of consumers.";

(*b*) in clause (*5*), for the figures "50%" , the figures "80%" shall be substituted.

This Notification shall come into force with immediate effect.

By order and in the name of the Governor of Goa.

Nirmal Braganza, Chief Electrical Engineer & ex officio Addl. Secretary.

Panaji, 10th April, 2007.

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