



दामोदर घाटी निगम

DAMODAR VALLEY CORPORATION

COMMERCIAL DEPARTMENT, DVC TOWERS, VIP ROAD, KOLKATA – 700054



A) Value taken from Tariff order dated 25.05.2015

Notation	Particulars	Unit	Value mentioned in Tariff Order
TL	Normative Transmission Loss in %	%	0
DL	Normative Distribution Loss in %	%	2.2
e_{sc}	Energy Sale to consumer and Licensee in MU as per Tariff Order	MU	8863.9
pp_{cost}	Power Purchase Cost allowed in the Tariff order in Rs.	Rs.	5070207000
fc	Fuel Cost allowed in the tariff order in Rs,	Rs.	0
pp_{cost_ex}	Power Purchase cost/fuel cost for sale to person other than licensee and consumers as allowed in the tariff order in Rs.	MU	0

B) Value taken upto the month under consideration

Notation	Particulars	Unit	Total for DVC	Apportionment for the state of West Bengal @ 56.42%
U_{in}	Net Power drawal (MU) in UI mode	MU	100.73	56.83
U_{out}	Net Power exported (MU) in UI mode	MU	26.68	15.05
E_p	Total Power purchase (MU) against bill	MU	1492.51	842.08
E_g	Total sent out from own generation (MU) on normative basis (Excluding normative auxiliary consumption and transformation loss from gross generation)	MU	8909.26	5026.61
E_x	Energy sold (MU) to person other than licensee and consumers including swapout.	MU	0	0
E_{p_ppsp}	Net power drawal from pumping energy of Pumped Storage Project	MU	0	0
PP_{cost}	Total cost of Power purchase from different sources in Rs.	Rs.	7243669496	4086878330
FC	Total fuel cost of own generation as per normative parameter fixed by the Commission in Rs.	Rs.	0	0
U_{cost_in}	Power purchase cost for U_{in} in Rs.	Rs.	725999624	409608988
CTU_{loss}	Loss through inter state transmission system for import of power from different sources.	MU	34.60	19.52
$R-E_x$	Revenue earned in Rs. On account of part of variable cost only due to Energy sold against Ex	Rs.	0	0
$R-U_{out}$	Revenue earned in Rs due to power exported in UI mode.	Rs.	34445719	19434275

C) Value taken from order of Adhoc Variable cost or Adhoc Power Purchase Cost if any

Notation	Particulars	Unit	Total for DVC	Apportionment for the state of West Bengal @ 56.42%
Adhoc_V _{cost}	Adhoc_Adhoc Variable Cost or Adhoc Power Purchase Cost in Rs./kWh	Rs.	0	0

D) Value to be taken for the balance period of the year.

Notation	Particulars	Unit	Total for DVC	Apportionment for the state of West Bengal @ 56.42%
P _{Proj}	Projected power purchase cost in Rs for the balance period of the year	Rs.	5794348191	3269171249
FC _{Proj}	Projected fuel Cots for the balance period of the year	Rs.	0.00	0.00
E _{proj}	Projected energy in MU to be purchased for the balance year	MU	1065.52	601.17
E _{P_PSP_Proj}	Projected net drawal in MU of Pumping energy from pumped storage project during the balance period of the year	MU	0.00	0.00
E _{G_Proj}	Total projected energy to be sent out from own generation during the balance period of the year	MU	8909.26	5026.61
E _{x_Proj}	Projected energy to be sold (MU) to person other than licensee and consumers during the balance period of the year	MU	0.00	0.00
R_E _{x_Proj}	Projected Revenue earned on account of part of variable cost only due to Energy sold against E _{x_Proj} during balance period of the year	Rs.	0.00	0.00

E) Computation of MVCA

Tot _{ENR}	$E_p + E_g + UI_{in} - CTU_{loss} + E_{proj} + E_{G_Proj}$	11533.77
Tot _{ENR_Consumer}	$Tot_{ENR} - UI_{out} - E_x - E_{x_Proj} - (E_{p_PPSP} + E_{p_PSP_Proj}) / (1-TL)$	11518.71
MVC	$PP_{cost} + FC + UI_{cost_{in}} + P_{Proj} + FC_{Proj}$	7765658567
MVC _{consumer}	$MVC - (R - E_x + R - UI_{out} + R - E_{x_Proj})$	7746224292
E _{sc}	$Tot_{ENR_Consumer} \times (1-TL \times 0.01) \times (1-DL \times 0.01)$	11265.30
MVC _{unit_consumer}	$MVC_{consumer} / (E_{sc} \times 10^6)$	0.69
mvc _{consumer}	$pp_{cost} + fc - pp_{cost_ex}$	5070207000
mvc _{unit_consumer}	$mvc_{consumer} / (e_{sc} \times 10^6)$	0.57
MVCA	$(MVC_{unit_consumer} - mvc_{unit_consumer} - Adhoc_V_{cost}) \times 100$ Paisa/kWh	11.56
MVCA rounded to nearest lower integer		11.00