|  |  |
| --- | --- |
|  | Wind |
| **Recorded Inputs** | |
| Highest Recorded Demand | (Highest Consumption -Min((Corresponding InFirm OA units+Corresponding Firm OA units) ,(Corresponding InFirm OA adjusted units+Corresponding Firm OA adjusted Units ))\*4 |
| 50% of Contract Demand | Develope |
| 75% of last 11 months Billing Demand | 75% of Highest Demand from last 11 months |
| Billed Demand | MAX(HRD,50% of CD) |
| Billed Demand (MSEDCL as if bill) | MAX(HRD(as if Bill), 50% of CD(as if bill), 75% of last 11 months Billing Demand ) |
| Excess Demand | if (Max Consumption \*4)- CD<=0 Excess Demand=0 Else (Max Consumption \*4) - CD |
| Load Factor | (Total consumption-OA consumption)/((CD-(Infirm Open Access Quantum)- Firm OAQ)\*PowerFactor\*24\*Number Of Days in month) |
| Load Factor ( as if Bill) | Total Meter Consumption/(Contract demand x24 x number of days in a monthx P.F.) |
| Prompt Payment Discount (PPD) | 1% |
| Highest Recorded Demand(as if bill) | If (Max 15 mins Consumption in a month(kWh)\*4>CD then CD else (Max 15 mins Consumption in a month(kWh)\*4 |
| 50% of Contract Demand(as if bill) | Contract Demand /2 |
| Total Consumption after OA | Total Meter Consumption-Total Infirm Consumption-Total Firm Consumption |
| **MSEDCL As IF Bill** | |
| Demand Charges | Bill demand (as if Bill) \* Demand Charges |
| Wheeling Charges | Wheeling Charge for Voltage Level \* Total Meter Consumption |
| Energy Charges | Total Consumption \* Energy Charges (Rs./kWh) |
| TOD Charges | Sum of Charges from Zone A to Zone D (MSEDCL as if bill) |
| FAC | Total meter Consumption \* FAC Charges (Rs./kWh) |
| Electricity Duty | (DC+WC+EC+TODC+FAC)\*% Electricity Duty |
| Tax on Sale of Electricity | Total meter Consumption \* TOSE Chrages Rs./kWh |
| Power Factor Charges | Power Factor Incentive \* (DC+WC+EC+TODC+FAC) |
| Charges for excess demand | Excess Demand\* Excess Demand Charges |
| Load Factor Incentives | if Load factor is < 75% LFI =0 else Rebate for Load Factor \* (DC+WC+EC+TODC+FAC) |
| PPD | (DC+WC+EC+TODC+FAC+PFC+EDC+LFI)\*-PPD |
| Total Charges | Sum(billed demand to ppd) |
| Landed Tariff (Rs/kWh) | Total Charges/ Total Meter Consumption |
|  |  |
| **MSEDCL ESTIMATED BILL INCLUDING OPEN ACCESS CHARGES** | |
| Demand Charges | (Billed Demand\*Demand Charges) |
| Wheeling Charges | Total Consumption after OA \* Wheeling Charges for corresponding voltage level |
| Energy Charges | Total Consumption after OA \* Electricity Charges |
| TOD Charges | Sum of Charges from Zone A to Zone D |
| FAC | Total Consumption After OA \* FAC Charges |
| Electricity Duty | (DC+WC+EC+TODC+FAC)\*Electricity Duty |
| Tax on Sale of Electricity | Total Consumption after OA \* Tax on Sale of Electricity (TOSE) |
| Power Factor Charges | Power Factor Incentive \* (DC+WC+EC+TODC+FAC) |
| Charges for excess demand | Excess Demand \* Excess Demand Charges |
| Load Factor Incentives | if Load factor is < 75% LFI =0 else Rebate for Load Factor \* (DC+WC+EC+TODC+FAC) |
| PPD | (DC+WC+EC+TODC+FAC+PFC+EDC+LFI)\*-PPD |
| Electricity Duty on OA Quantum | ((Firm OAQ + infirm OAQ)\*1000)+((Total InFIRM OA Adjusted Units+total firm OA adjusted units)\*(Electricity Charges+Wheeling Charges for corresponding voltage level + FAC Charges)))\* Electricity Duty |
| Tax on Sale of Electricity on OA Quantum | (Total FIRM OA Adjusted Unit+ Total infirm OA adjusted units) \* Tax on Sale of Electricity (TOSE) |
| Wheeling Charges on OA Quantum | ((OA infirm consumption / (1- Transmission losses)\*Wheeling charges (From wheeling charges and losses table)+ ((OA Firm Consumption)/(1-wheeling losses))\*Wheeling charges |
| Transmission Charges for OA Quantum | (OA infirm consumption / (1- Transmission losses))\*Transmission charges |
| Operating Charges | if Open Access Quantum >=10 OC=30000 elseif Open Access Quantum >=5 OC=20000 else OC=10000 |
| Cross Subsidy Surcharge (CSS) | Total Consmumption after OA \* CSS Charges for Voltage Level ie 22KV, 33KV, 66KV |
| Additional Surcharge (ASC) | Total Consmumption after OA \* Additional Surcharge (ASC) |
|  |  |
|  |  |
| **Open Access Bill for fixed tariff** |  |
| Units Consumed from Open Access | Total OA Consumption ( infirm + firm ) |
| Open Access Tariff | Open Access Tariff Rs./KWh |
| **Power Purchase Cost** | Units Consumed from Open Access \* Open Access Tariff for Fixed tariff model |
| Transmission Charges for OA Quantum | if Tariff="AT STU" TC=0 else TC=((Open Access Quantum\*1000\*Days in Month\*24)\*(Transmission Charges Rs./kWh))/ (1-Transmission Losses) |
| Operating Charges | if Tariff="AT STU" OC=0 else if Open Access Quantum >=10 OC=30000 elseif Open Access Quantum >=5 OC=20000 else OC=10000 |
| Cross Subsidy Surcharge (CSS) | if Tariff="AT STU" CSS=0 else Total Consmumption after OA \* Wheeling Charges for Voltage Level ie 22KV, 33KV, 66KV |
| Additional Surcharge (ASC) | if Tariff="AT STU" ASC=0 else Total Consmumption after OA \* Additional Surcharge (ASC) |
| **Net Open Access Cost** | **Power Purchase Cost - (TC for OAQ+CSS+ASC+operation charges)** |
| **Savings** | **MSEDCL As iF Total Charges - MSEDCL Total Charges – Net open access cost** |
|  |  |
| **Open Access Bill for Discount Model** |  |
| Units Consumed from Open Access | Total OA Consumption ( infirm + firm ) |
| Open Access Tariff | landed tariff \* (1 - Open Access Tariff) |
| **Power Purchase Cost** | (Units Consumed From OA )\*(Open Access Tariff for Discounted Model) |
|  |  |
| **Savings** | MSEDCL As iF Total Charges - MSEDCL Total Charges -Power Purchase Cost for Open Access Discount Model |