

Before

UTTARAKHAND ELECTRICITY REGULATORY COMMISSION

Petition No. 12 of 2022 (Suo-Moto)

Order

In the matter of:

Review of the Benchmark Capital Cost for Solar PV, Solar Thermal and Grid Interactive Rooftop & Small Solar PV Plants to be applicable for FY 2022-23 and onwards till reviewed/ revised by the Commission.

CORAM

Shri D.P. Gairola Member (Law) / Chairman (I/c)

Shri M.K. Jain Member (Technical)

Date of Order: May 04, 2022

1. The Commission in exercise of the powers vested in it under Section 61(h) and Section 86(1)(e) read with Section 181(2)(zd) of the Electricity Act, 2003, notified the UERC (Tariff and Other Terms for Supply of Electricity from Renewable Energy Sources and non-fossil fuel based Co-generating Stations) Regulations, 2018 (hereinafter referred to as "RE Regulations, 2018") on 06th September, 2018.
2. Regulation 11 of the RE Regulations, 2018 specifies as under:

"11. Control Period or Review Period

The Control Period or Review Period under these Regulations shall be of five years, of which the first year shall be the financial year 2018-19.

Provided that the benchmark capital cost of Solar PV, Canal Bank & Canal Top Solar PV, Solar Thermal, Municipal Solid Waste based power projects, Refuse Derived Fuel based power projects and Grid interactive Roof Top and Small Solar PV projects may be reviewed annually by the Commission.

Provided further that the tariff determined as per these Regulations for the RE projects commissioned during the Control Period, shall continue to be applicable for the entire Tariff Period."

Accordingly, based on the above regulation, the Commission vide its Suo-moto Order dated 07.06.2019 had reviewed the benchmark capital cost and levellised tariff for the solar energy based power projects commissioned on or after 01.04.2019 and had re-determined the benchmark capital cost and levellised tariff applicable from 01.04.2019 till further reviewed by the Commission. However, due to non-availability of generalised data of module price because of COVID-19 global pandemic, the Commission vide its Suo-moto Order dated 11.05.2020 had extended the benchmark capital cost and levellised tariff as approved by the Commission vide its Suo-moto Order dated 07.06.2019 for solar energy based power plants upto September, 2020 which was further extended till March, 2021 vide Suo-moto Order dated 30.09.2020.

Subsequently, vide Suo-moto Order dated 21.09.2021 taking into consideration the time extension allowed by MNRE at that time, non-availability of data and uncertainties regarding another wave of coronavirus in the upcoming months as indicated by the concerned Ministry of GoI, the Commission was of the view that the benchmark capital cost and generic tariff determined by it vide Suo-moto Order dated 07.06.2019 which was extended by the Commission vide its Order dated 11.05.2020 and 30.09.2020 till September, 2020 and March, 2021 respectively, shall continue to be applicable till March, 2022 while the other terms and conditions shall remain the same in accordance with the RE Regulations, 2018.

3. In accordance with the first proviso of Regulation 11 of the aforesaid Regulations, the Commission issued a draft order dated 21.03.2022 on Misc. Application No. 11 of 2022 (Suo-Moto) in the matter of review of benchmark capital cost for Solar PV, Solar Thermal and Grid Interactive Rooftop & Small Solar PV Plants to be applicable for the projects commissioned during FY 2022-23 and onwards till reviewed or revised by the Commission.
4. The draft order was also posted on the Commission's website and comments were sought from the stakeholders on the same latest by 04.04.2022. In response, total nine stakeholders have submitted comments on the draft order as listed in **Annexure-1**.
5. The Commission through this Order has determined the generic tariff for solar power

plants on Suo-Moto basis based on the norms specified in the Regulations duly taking into account the suggestions/comments made by the stakeholders on the draft Order. The present regulatory exercise is limited to the determination of benchmark capital cost and determination of generic tariff for Solar PV Power Plants, Solar Thermal Power Plants and Grid Interactive Rooftop & Small Solar PV Power Plants. The comments/suggestions of the stakeholders on the parameters, such as life of the project & CUF, which have already been specified in the said Regulations, are beyond the scope of the present proceedings as tariff determined herein are based on the Regulations presently in force.

6. Issue-wise submissions/comments of the stakeholders and the Commission's view, analysis & decision on the same have been discussed in the following paragraphs. As far as possible, the Commission has given due consideration to the issues raised by the stakeholders/developers in deciding the project cost & corresponding tariff.

7. Solar PV Projects

7.1 Capital Cost

The Commission, vide its draft Order dated 21.03.2022 had proposed to revise the capital cost of Solar PV based Projects and while doing so the Commission had considered the average cost of Module at 0.216 USD/Wp and an exchange rate of Rs. 74.30/USD based on the average of April, 2021 to February, 2022. The cost of Solar Modules had been worked out to Rs. 161.14 Lakh/MW and the Commission had also considered GST of 12%, a degradation of 0.50% on a yearly basis, which was then applied to the module cost to arrive at yearly degradation cost and additional escalation of 15% to cover overheads, duties and taxes. Thus, the total cost of module worked out to Rs. 213.34 Lakh/MW. The Commission had considered Rs. 50.00 Lakh/MW as cost of land for arriving at the capital cost of Solar PV projects for FY 2019-20. The Commission had proposed the same land cost, i.e. Rs. 50.00 Lakh/MW for FY 2022-23. The costs of other components had been considered amounting to Rs. 90.80 Lakh/MW.

In light of the above discussion, the Commission had proposed the capital cost of Rs. 354.14 Lakh/MW for Solar PV projects to be commissioned on or after 01.04.2022.

7.1.1 Comments of the Stakeholders

- a) Most of the stakeholders submitted that the normative capital cost proposed in the draft is on the lower side. They have stated that GST has increased in previous years and import duty has also been levied by Government of India on the Solar cell and Modules.
- b) M/s Mittal Machines Pvt. Ltd. and M/s ADOS Renewable Pvt. Ltd. have submitted invoices w.r.t. procurement of Solar PV cells and/or Modules during previous year and have proposed capital cost of Rs. 574.00 Lakh/MW to Rs. 592 Lakh/MW respectively.
- c) Solid Solar Pvt. Ltd. proposed the capital cost of Rs. 544 Lakh/MW considering Mono PERC Modules and Rs. 548 Lakh/MW for Multi-crystalline PV Modules stating that less land area is required for Mono PERC technology based Solar PV modules. The stakeholder also stated that there is increase in GST from 5% to 12% on modules whereas power purchase by DISCOM continues to remain at zero subsidy. Further, import duty has also been levied by the Government of India.
- d) UREDA submitted that the mounting structure cost is generally 5% of the total capital cost. Further, there is a hike in the prices of steel, copper and zinc. Moreover, the Government of India has levied 12% GST on 70% of basic value for supply and 18% GST on 30% of basic value of services. Further, Government of India has imposed custom duty of 40% on Solar Modules and 25% on Solar cells which will increase the procurement cost. UREDA also submitted that additional expenditure of 5% to 10% needs to be incurred by the developer for installation of plants at high altitude.
- e) Akshay Urja Association and Fidato Developers Inc. submitted that financial Institution charge around 50 paisa per dollar over dollar transactions which needs to be taken into consideration. Further, additional freight expenses are incurred to transport modules through mini trucks as transportation of module cost in large containers is very difficult to the hilly regions due to several transportation hitches like narrow and bumpy roads. Further, installation and commissioning cost of Rs. 15

Lakh/MW needs to be considered for structure erection, electric wiring and cabling work. The stakeholders proposed the mounting structure cost of Rs. 40.50 Lakh/MW. With regard to Power Conditioning Unit/Inverter price, the stakeholders submitted that MPPT based String Invertors are used in hilly area due to continuous changing sunshine and accordingly, proposed the capital cost of Rs. 504.77 Lakh/MW without GST and Rs. 574.43 Lakh/MW including GST.

- f) Redwoods Renew Pvt. Ltd. submitted that the cost of silicon has increased by more than 300% alongwith other materials and proposed the capital cost of Rs. 538 Lakh/MW. Further, Joshi Enterprises proposed the capital cost of Rs. 489.62 Lakh/MW stating that due to COVID Pandemic acquisition of land has become difficult and prices of all the material has increased significantly. Further, default in delay in achieving COD due to delayed evacuation processes of UPCL or delay in administrative clearance due to poor planning of UREDA should be considered by the Commission while fixing the capital cost.

7.1.2 Commission's Views and Decision

The Commission in its draft Order dated 21.03.2022 had considered the cost of Solar PV Module as Rs. 213.34 Lakh/MW considering the exchange rate of Rs. 74.30/USD based on the average rate of April, 2021 to February, 2022 considering the module cost of Rs. 0.216 USD/Wp, degradation of 0.50% and 15% additional cost for duties and other expenses.

Comments of similar nature have been received from the stakeholders while finalizing the tariff for Solar PV plants for FY 2022-23 and the Commission is of the view that with the advancement of the technology, the increased efficiency is bound to result in cost saving of some other components such as requirement of space etc.

The Commission has considered the average module cost of 0.218 USD/Wp based on the average rate from April, 2021 to March, 2022. Further, average exchange rate for the same period has been considered which works out to Rs. 74.497/USD. Accordingly, based on the above discussion and considering the degradation of 0.50%, the module cost works out to Rs. 166.60 Lakh/MW. The Government of India has

announced levy of import duty, w.r.f. 01.04.2022, on the import of Solar PV cells and Solar PV modules @ 25% and 40% respectively. The applicability period of safeguard duty, however, expired on 30.06.2021 and has not been renewed. Moreover, the GST rate for the goods component has also been increased from 5% to 12%. Apart from the above, the Government of India has provided for the production linked incentive of Rs. 4500 Crore, in addition to the production linked incentive of Rs. 19500 Crore provided for the budget proposed for FY 2022-23. All the factors would have overlapping and diverse effects and may also increase the competitiveness. Such factors shall impact the market rates at which the Solar PV cells and Solar PV modules shall be available from various sources. Moreover, the difference in the cost of Solar PV cells and module as well as taxes thereon, if availed optimally, can also facilitate marginal reduction in the overall cost of the panels.

After taking all related factors into account and comments of various stakeholders regarding bank charges for conversion of INR to USD, taxes & duties and overheads, the Commission decides to escalate the module cost by 28%. Accordingly, module cost works out to Rs. 213.25 Lakh/MW.

The Commission would like to clarify that the escalation on account of additional taxes is being provided purely on normative basis after balancing various factors affecting the market conditions as discussed above and shall be applicable irrespective of the actual channel of procurement of the Solar PV modules. In fact, in case of procurement from indigenous sources the BCD/SGD will not be applicable at all. The Commission feels that this approach will not only enable the developers to procure the modules in the most economical manner, but may also encourage procurement from indigenous sources.

Further, the CUF of 19% was fixed considering Poly Silicon Solar Module and Thin Film Solar Module. However, in the present Order, the Commission has considered Mono PERC Solar Module which is an advance technology in comparison to Thin film Solar Module and results into higher CUF which in turn reflects higher generation from the said modules. Moreover, the Commission has considered the spot

prices which are generally on a higher side, and the developers will have the benefit of economies of scale on bulk purchase as well as enjoy bulk purchase discount. Furthermore, the Commission vide RE Regulations, 2018 had specified the additional 300 points for interest on normative loan above the average SBI MCLR (one year) prevailing for last available six months in accordance with the provisions specified by CERC which has been reduced to 200 basis points vide RE Regulations, 2020 by CERC. Accordingly, the solar power developers in the State will gain additional interest benefit of 1% as the Commission has kept the interest rate based on 300 basis points.

Further, with regard to Land cost, some of the stakeholder submitted that due to Pandemic, most of the land owner have returned to farming and it is getting harder to search a suitable land for solar projects. Further, UREDA submitted that additional cost of 5% to 10% needs to be incurred for land development. In the matter, it is pertinent to mention that the Commission had considered 5 acres of land for Solar PV plant having capacity of 1 MW. However, as discussed earlier, with the change in technology lesser area is required for installation of Solar PV plants. Accordingly, saving in the land cost can be utilized to make the land suitable for installation of Solar PV plant.

The Commission had proposed the capital cost of Rs. 90.80 Lakh for other components of Solar Power Plants. The Commission decides to escalate the capital cost of other components by 20% to factor in the hike in prices and change in technology. Accordingly, the Commission approves the capital cost for other components amounting to Rs. 108.96 Lakh/MW.

In view of the above discussions & analysis, the Commission has approved the cost of Solar PV based Plant for FY 2022-23 as follows:

Table 1: Approved Benchmark Capital Cost of Solar PV Project for FY 2022-23

S. No.	Particulars	Capital Cost (Rs. Lakh/MW)
1	PV Modules	213.25
2	Land Cost	50.00
3	Civil and General Works	108.96
4	Mounting Structures	
5	Power Conditioning Unit	
6	Evacuation cost upto interconnection point (Cables and Transformers)	
7	Preliminary & Pre-operative expenses including IDC & contingency etc.	
	Total Capital Cost	372.21

7.2 Tariff for Solar PV Plants

Based on the proposed benchmark capital cost for Solar PV Plants amounting to Rs. 354.14 Lakh/MW, the Commission in its draft Order dated 21.03.2022 had proposed a gross tariff of Rs. 4.33/kWh and accelerated depreciation of Rs. 0.18/kWh.

The Commission is of the view that the present exercise has been initiated under the mandate of RE Regulations, 2018 which requires the Commission to review the benchmark capital cost in each financial year. In compliance to the same, the Commission has approved the benchmark capital cost of Solar PV Plants to be commissioned during FY 2022-23. Based on the revised capital cost, tariff has been strictly worked out in accordance with the tariff principles stipulated in RE Regulations, 2018.

In view of the above discussion, the Commission has determined the gross tariff of Rs. 4.49/kWh and accelerated depreciation of Rs. 0.19/ kWh for Solar PV sources commissioned on or after 1st April, 2022 as depicted in Annexure-I. This tariff shall continue to be the maximum tariff and the distribution licensee shall invite bids from generators/developers for procurement of power from these generators/ developers.

8. Grid Interactive Rooftop & Small Solar PV based Projects

8.1 Capital Cost

The Commission in the draft Order had considered the capital cost for FY 2022-23 as per the methodology adopted by the Commission while finalizing the benchmark capital

cost for different slabs based on the installed capacity for previous years. Further, the Commission had kept the Solar Module cost and land cost for Grid Interactive Rooftop & Small Solar PV plants having capacity above 500 kW & up to 1 MW equivalent to the Solar Module cost determined for Solar PV plants and cost of other components as 35% higher than the cost considered for Solar PV Plants. Further, the total capital cost determined for Grid Interactive Rooftop & Small Solar PV plant having capacity above 500 kW & below 1 MW has been proportionately increased for aforementioned slabs on the basis of the same methodology adopted during finalization of benchmark capital cost for FY 2019-20.

Accordingly, the Commission had proposed a capital cost of Rs. 43,080/kW, Rs. 39,490/kW, Rs. 37,103/kW and Rs. 35,754/kW for Grid interactive Rooftop & small Solar PV plants having installed capacity upto 10 kW, above 10 kW to 100 kW, above 100 kW upto 500 kW and above 500 kW & below 1 MW respectively in the draft Order.

With regard to grid interactive Rooftop and Small Solar PV based project, stakeholders have not submitted any comments.

8.1.1 Commission's View and Analysis

A) Solar PV Module Cost

The Commission in its draft Order had proposed the Solar PV module cost of Rs. 25,705/kW, Rs. 23,563/kW, Rs. 22,139/kW and Rs. 21,334/kW for grid interactive Rooftop & small Solar PV projects having installed capacity upto 10 kW, above 10 kW to 100 kW, above 100 kW upto 500 kW and above 500 kW & below 1 MW respectively based on the methodology adopted by the Commission during FY 2019-20. The Commission has not received any particular objection from the stakeholders in the matter. Accordingly, based on the latest available data and methodology adopted during FY 2019-20, the revised PV module cost of Rs. 25,694/kW, Rs. 23,553/kW, Rs. 22,129/kW and Rs. 21,325/kW has been considered by the Commission for Rooftop and Small Solar PV plants having installed capacity upto 10 kW, above 10 kW to 100 kW, above 100 kW upto 500 kW and above 500 kW & below 1 MW respectively.

B) Land Cost and Civil & general works

The Commission in the draft order had proposed the Land and Civil & general works cost amounting to Rs. 6,024/kW, Rs. 5,522/kW, Rs. 5,189/kW and Rs. 5,000/kW for projects having installed capacity upto 10 kW, above 10 kW to 100 kW, above 100 kW upto 500 kW and above 500 kW & below 1 MW respectively. The Commission has not received comments from the stakeholders in the matter. Accordingly, the Commission has considered the cost proposed for such works in draft Order as final.

C) Other Components

The Commission had proposed a cost of Rs. 11,351/kW, Rs. 10,405/kW, Rs. 9,776/kW and Rs. 9,420/kW for grid interactive Rooftop and small Solar PV plants having capacity upto 10 kW, above 10 kW to 100 kW, above 100 kW upto 500 kW and above 500 kW & below 1 MW respectively in the Draft Order for other components. The Commission has not received any comments w.r.t. capital cost considered for other components w.r.t. grid interactive Rooftop and small Solar PV plants. Accordingly, based on the latest available data and methodology adopted during FY 2019-20, the Commission approves Rs. 17,724/kW, Rs. 16,247/kW, Rs. 15,265/kW and Rs. 14,710/kW each for grid interactive Rooftop and small Solar PV plants having installed capacity upto 10 kW, above 10 kW to 100 kW, above 100 kW upto 500 kW and above 500 kW & below 1 MW respectively under the head of other components.

In view of the above discussions & analysis, the Commission has approved the cost of Rs. 49,442/kW, Rs. 45,322/kW, Rs. 42,583/kW and Rs. 41,035/kW for grid interactive Rooftop and Small Solar PV plants having installed capacity upto 10 kW, above 10 kW to 100 kW, above 100 kW upto 500 kW and above 500 kW & below 1 MW respectively.

8.2 Tariff for Roof-top & Small Solar PV Plants

Based on the proposed benchmark capital cost for Solar PV Plants, the Commission in its draft Order dated 21.03.2022 had proposed a levellised tariff for FY 2022-23 as

follows:

Table 2: Proposed Generic Tariffs for Grid connected Rooftop & Small Solar PV Plants (Rs./kWh)

Particulars	Upto 10 kW	Above 10 kW to 100 kW	Above 100 kW to 500 kW	Above 500 kW below 1 MW
Levelling Tariff considering nil Subsidy				
Gross Tariff	5.39	4.90	4.57	4.36
Less: Acc Dep Benefit	0.21	0.19	0.18	0.17
Net Tariff	5.18	4.71	4.38	4.19
Levelling Tariff considering 20% Subsidy				
Gross Tariff	4.96	4.50	4.19	4.00
Less: Acc Dep Benefit	0.19	0.17	0.16	0.16
Net Tariff	4.77	4.33	4.03	3.85
Levelling Tariff considering 30% Subsidy				
Gross Tariff	4.74	4.31	4.01	3.82
Less: Acc Dep Benefit	0.18	0.16	0.15	0.15
Net Tariff	4.56	4.14	3.85	3.67
Levelling Tariff considering 40% Subsidy				
Gross Tariff	4.52	4.11	3.82	3.64
Less: Acc Dep Benefit	0.17	0.15	0.14	0.14
Net Tariff	4.36	3.95	3.68	3.50
Levelling Tariff considering 70% Subsidy				
Gross Tariff	3.88	3.51	3.26	3.11
Less: Acc Dep Benefit	0.13	0.12	0.11	0.11
Net Tariff	3.75	3.39	3.15	3.00
Levelling Tariff considering 80% Subsidy				
Gross Tariff	3.68	3.33	3.09	2.94
Less: Acc Dep Benefit	0.11	0.10	0.10	0.09
Net Tariff	3.56	3.23	2.99	2.85
Levelling Tariff considering 90% Subsidy				
Gross Tariff	3.51	3.18	2.95	2.80
Less: Acc Dep Benefit	0.09	0.09	0.08	0.08
Net Tariff	3.41	3.09	2.87	2.73

Based on the above discussions, the Commission has determined the gross and net levelling tariff to be applicable for FY 2022-23 as depicted in Annexure II-A, Annexure II-B, Annexure II-C & Annexure II-D and as follows:

Table 3: Approved Generic Tariffs for Grid connected Rooftop & Small Solar PV Plants (Rs./kWh)

Particulars	Upto 10 kW	Above 10 kW to 100 kW	Above 100 kW to 500 kW	Above 500 kW below 1 MW
Levellised Tariff considering nil Subsidy				
Gross Tariff	5.96	5.42	5.06	4.83
Less: Acc Dep Benefit	0.24	0.22	0.21	0.20
Net Tariff	5.72	5.20	4.85	4.63
Levellised Tariff considering 20% Subsidy				
Gross Tariff	5.47	4.97	4.63	4.42
Less: Acc Dep Benefit	0.22	0.20	0.19	0.18
Net Tariff	5.25	4.77	4.44	4.24
Levellised Tariff considering 30% Subsidy				
Gross Tariff	5.22	4.74	4.42	4.22
Less: Acc Dep Benefit	0.21	0.19	0.18	0.17
Net Tariff	5.01	4.56	4.24	4.05
Levellised Tariff considering 40% Subsidy				
Gross Tariff	4.97	4.52	4.20	4.01
Less: Acc Dep Benefit	0.19	0.18	0.17	0.16
Net Tariff	4.78	4.34	4.04	3.85
Levellised Tariff considering 70% Subsidy				
Gross Tariff	4.23	3.84	3.57	3.40
Less: Acc Dep Benefit	0.15	0.14	0.13	0.12
Net Tariff	4.08	3.70	3.44	3.28
Levellised Tariff considering 80% Subsidy				
Gross Tariff	4.00	3.63	3.37	3.21
Less: Acc Dep Benefit	0.13	0.12	0.11	0.11
Net Tariff	3.87	3.51	3.26	3.10
Levellised Tariff considering 90% Subsidy				
Gross Tariff	3.81	3.45	3.21	3.05
Less: Acc Dep Benefit	0.11	0.10	0.09	0.09
Net Tariff	3.70	3.35	3.12	2.96

9. Solar Thermal Projects

9.1 Capital Cost

In line with RE Regulations, 2018, the Commission had proposed benchmark cost of Solar Thermal Plants of Rs. 1200.00 Lakh/MW.

The Commission has observed that no comments/objections on the proposed capital cost have been submitted by any of the developers or stakeholders, hence, the same has been considered by the Commission for the FY 2022-23.

9.2 Tariff

The Commission had proposed the tariff in respect of Solar Thermal Plants as Rs. 13.70/

kWh in its draft Order dated 21.03.2022.

Based on the approved capital cost and in accordance with the norms specified in RE Regulations, 2018, the applicable gross tariff for FY 2022-23 has been determined as Rs. 13.70/kWh as depicted in Annexure-III enclosed.

10. Other Comments

- a) M/s Joshi Enterprises submitted that the Commission vide its Order dated 21.03.2022 has not mentioned anything w.r.t. Solar PV plants allocated under Mukhyamanti Swarozgar Sor Yojna. The Stakeholder also submitted that the default in COD of the projects due to delay in evacuation process at the end of UPCL or delay in administrative clearances should be considered while finalizing the benchmark capital cost. Further, the Commission is requested to consider relevant Sections of the Electricity Act, 2003 under which provisions for development of infrastructure by Solar Power plant developer is discussed. Moreover, UPCL is charging 15% of the evacuation cost as charges for supervision from the generating company. In the matter, the Commission directs UPCL and UREDA to provide support to the developers for commissioning of the plant and UPCL shall endeavor to provide connectivity related activities so that the Solar PV plants can be commissioned on or before the scheduled commissioning date. Further, Regulation 15 of RE Regulations, 2018 permits the generator to develop evacuation system by itself from interconnection to the nearest sub-station of transmission or distribution licensee to which the generating station is connected and for the same it shall be allowed a normative levelized tariff of 12 paise/unit over and above the generic tariff. Further, the Stakeholder has stated that general time taken to gain pre-establishment approval/NOC, land use change and other departmental clearance after allotment takes time frame of one year. Thereafter, financial institutions takes six to eight months for fund approval. In the matter, it is pertinent to mention that the schedule completion period for the solar energy based power plants is specified under Solar Energy Policy Uttarakhand, 2013 which is notified by Government of Uttarakhand.

In the matter, it is pertinent to mention that UREDA and some of the developers

have filed a Petition before the Commission and also through various representations requested for the extension of Control Period and the benchmark capital cost and generic tariff for the Solar PV Plants allowed to successful bidders by UREDA for development of Solar PV Plants having cumulative capacity of 200 MW and Solar PV Plant developers who have been allowed to execute PPA with UPCL with zero CFA for fulfilment of RPO compliance of UPCL and judgement is reserved in the matter. With regard to extension of Control Period, Hon'ble Supreme Court vide its Judgement dated 25.10.2017 in the matter of Gujarat Urja Vikas Nigam Ltd. vs Solar Semiconductor Power Company Pvt. Ltd. stated that the exercise of power which has the effect of amending the PPA by varying the tariff can only be done as per statutory provisions and not under the inherent power referred to in Regulations. The Control Period is not something prescribed by the Commission under the Conduct of Business Regulations. The Control Period is also not an order by the Commission for doing any act. Commissioning of a project is the act to be performed in terms of the obligation under the PPA and that is between the producer and the purchaser. Hence, the Commission cannot extend the time stipulated under the PPA for doing any act contemplated under the agreement in exercise of its powers under Regulation. Therefore, there cannot be an extension of the Control Period under the inherent power of the Commission.

In view of the above, the Commission decides not to extend the Control Period as requested by the stakeholders. However, the tariff for bidders selected through competitive bidding process having cumulative capacity of 148 MW, 52 MW, those with zero CFA and those selected under “मुख्यमंत्री सूर्योदय स्वराजगार योजना”, the tariff determined by the Commission for solar projects effective from 1st April, 2022 OR tariff discovered through competitive bidding/PPA for supply of solar energy to UPCL, whichever is lower, shall be applicable to all above mentioned upcoming projects.

- b) M/s Fidato Developers Inc. submitted that grid downtime is significantly higher causing generation loss to developers. Further, Capacity Utilisation factor of 19% in Uttarakhand is highly optimistic and practical CUF is below 16%.

With regard to comment on CUF, the Commission would like to reiterate that

CUF is specified in the Regulations and is beyond the scope of the present proceedings as tariff determined herein are based on Regulations presently in force.

Further, with regard to grid down time, UPCL is directed to augment the transformers capacity in its sub-stations to facilitate installation of solar power plants. Moreover, in accordance with Regulation 49 of RE Regulations, 2018 solar generators are eligible to claim deemed generation because of loss of generation due to interruptions/outages on account of non-availability of evacuation system beyond the interconnection point or receipt of backing down instructions from SLDC.

- c) UREDA submitted that Government of Uttarakhand is planning to launch second Phase of Suryaoday Swarozgar Yojna wherein 6000 nos. of Solar Power Plants having capacity of 3 kW each is proposed to be installed with a subsidy of 80%. UREDA requested the Commission to increase the proposed tariff of Rs. 3.68/kWh for solar plants having capacity upto 10kW with 80% subsidy.

In the matter, it is pertinent to mention that the benchmark capital cost has been determined after detailed analysis and available information. After ascertaining the benchmark capital cost, the Commission has applied the provisions of RE Regulations, 2018 to determine the generic tariff.

11. Generic Tariffs

Based on the revised capital cost, as proposed above, the Commission has determined the generic tariff to be applicable for projects to be commissioned in FY 2022-23 which is as follows:

Table 4: Proposed and Approved Generic Tariff for FY 2022-23

Particulars	Solar PV Plant (Rs./kWh)		Solar Thermal Plant (Rs./kWh)	
	Proposed	Approved	Proposed	Approved
Gross Tariff	4.33	4.49	13.70	13.70
Less : Acc Dep Benefit	0.18	0.19	0.59	0.59
Net Tariff	4.16	4.31	13.12	13.12

Table 5: Existing and Proposed Generic Tariffs for Grid connected Rooftop & Small Solar PV Plants (Rs./kWh)

Particulars	Upto 10 kW		Above 10 kW to 100 kW		Above 100 kW to 500 kW		Above 500 kW below 1 MW	
	Proposed	Approved	Proposed	Approved	Proposed	Approved	Proposed	Approved
Levellised Tariff considering nil Subsidy								
Gross Tariff	5.39	5.96	4.90	5.42	4.57	5.06	4.36	4.83
Less: Acc Dep Benefit	0.22	0.24	0.20	0.22	0.19	0.21	0.18	0.21
Net Tariff	5.17	5.72	4.70	5.20	4.38	4.85	4.18	4.63
Levellised Tariff considering 20% Subsidy								
Gross Tariff	4.96	5.47	4.50	4.97	4.19	4.63	4.00	4.42
Less: Acc Dep Benefit	0.20	0.22	0.18	0.20	0.17	0.19	0.16	0.18
Net Tariff	4.76	5.25	4.32	4.77	4.02	4.44	3.84	4.05
Levellised Tariff considering 30% Subsidy								
Gross Tariff	4.74	5.22	4.31	4.74	4.01	4.42	3.82	4.22
Less: Acc Dep Benefit	0.19	0.21	0.17	0.19	0.16	0.18	0.15	0.17
Net Tariff	4.55	5.01	4.14	4.55	3.85	4.24	3.67	4.05
Levellised Tariff considering 40% Subsidy								
Gross Tariff	4.52	4.97	4.11	4.51	3.82	4.20	3.64	4.01
Less: Acc Dep Benefit	0.17	0.19	0.16	0.18	0.15	0.17	0.14	0.16
Net Tariff	4.35	4.78	3.95	4.34	3.67	4.04	3.50	3.85
Levellised Tariff considering 70% Subsidy								
Gross Tariff	3.88	4.23	3.51	3.84	3.26	3.57	3.11	3.40
Less: Acc Dep Benefit	0.13	0.15	0.12	0.14	0.11	0.13	0.11	0.12
Net Tariff	3.74	4.08	3.39	3.70	3.15	3.44	3.00	3.28
Levellised Tariff considering 80% Subsidy								
Gross Tariff	3.68	4.00	3.33	3.63	3.09	3.37	2.94	3.21
Less: Acc Dep Benefit	0.12	0.13	0.11	0.12	0.10	0.11	0.10	0.11
Net Tariff	3.56	3.87	3.22	3.51	2.99	3.26	2.84	3.10
Levellised Tariff considering 90% Subsidy								
Gross Tariff	3.51	3.81	3.18	3.45	2.95	3.21	2.80	3.05
Less: Acc Dep Benefit	0.10	0.11	0.09	0.10	0.08	0.09	0.08	0.09
Net Tariff	3.41	3.70	2.09	3.35	2.87	3.11	2.72	2.96

The above ceiling tariff shall be applicable on the projects commissioned or to be commissioned on or after 1st April, 2022 and will remain applicable till further reviewed by the Commission.

(M.K. Jain)
Member (Technical)

(D.P. Gairola)
Member (Law) - Chairman (I/c)

List of Stakeholders

Sr. No.	Name	Designation	Organisation	Address
1.	Sh. Anupam Raj Khare	-	M/s Mittal Machines Pvt. Ltd.	Corporate Office: 108/3, Chander Nagar, Dehradun-248001
2.	Sh. Mukesh Agarwal	Director	M/s Solid Solar Pvt. Ltd.	Shop No. 6, K. No. 1588, Salempur Mahdood-2, Haridwar-249402
3.	Sh. Neeraj Kumar Garg	Chief Project Officer	Uttarakhand Renewable Energy Development Agency	Urja Park Campus, Industrial Area, Patel Nagar, Dehradun
4.	Sh. J.S. Bisht	Director	M/s Ados Renewable Pvt. Ltd.	G-28, Nehru Colony, Dehradun
5.	Sh. Aman Joshi	Chartered Engineer	M/s Fidato Developers Inc.	Dehradun
6.	Sh. Manish Kathait	Secretary	M/s Akshay Urja Association	47/1, Vasant Vihar, Chakrata Road, Dehradun-248006
7.	-	Proprietor	M/s Pant Solar	-
8.	Sh. Vinod Joshi	Partner	M/s Joshi Enterprises	Champanaula, Almora-263601
9.	Sh. Dhwanit Dave	Vice President	M/s Redwoods Renew Pvt. Ltd	403, "The Estate", 121, Dickenson Road, Bangalore- 560042

TARIFF DETERMINATION FOR SOLAR PV POWER PLANTS OF UTTARAKHAND FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	MU		1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	MU		1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs. Lakh		20.04	20.04	20.04	20.04	20.04	20.04	20.04	20.04	20.04	20.04	20.04	20.04	20.04	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20
O&M Expenses	Rs. Lakh		12.30	13.00	13.75	14.53	15.37	16.24	17.17	18.16	19.19	20.29	21.45	22.68	23.98	25.35	26.80	28.33	29.95	31.66	33.48	35.39	37.42	39.56	41.82	44.21	46.74
Interest on term loan	Rs. Lakh		25.05	23.04	21.04	19.04	17.03	15.03	13.03	11.02	9.02	7.01	5.01	3.01	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Return on Equity	Rs. Lakh		22.33	22.33	22.33	22.33	22.33	22.33	22.33	22.33	22.33	22.33	24.56	24.56	24.56	24.56	24.56	24.56	24.56	24.56	24.56	24.56	24.56	24.56	24.56	24.56	24.56
Interest on working Capital	Rs. Lakh		1.73	1.72	1.72	1.71	1.71	1.72	1.72	1.73	1.74	1.75	1.80	1.82	1.84	1.63	1.69	1.76	1.83	1.90	1.98	2.06	2.15	2.24	2.34	2.44	2.55
Total Cost of generation	Rs. Lakh		81.44	80.14	78.87	77.65	76.48	75.36	74.29	73.27	72.31	71.42	72.86	72.10	71.42	57.74	59.26	60.85	62.54	64.33	66.22	68.22	70.33	72.56	74.92	77.41	80.05
Per unit Cost of generation	Rs./kWh		4.89	4.81	4.74	4.67	4.60	4.53	4.46	4.40	4.34	4.29	4.38	4.33	4.29	3.47	3.56	3.66	3.76	3.87	3.98	4.10	4.23	4.36	4.50	4.65	4.81

Levelised Tariff	Rs./kWh	4.49
Accelerated Depreciation	Rs./kWh	0.19
Net Tariff	Rs./kWh	4.31

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY UPTO 10 KW WITH NIL SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		2662	2662	2662	2662	2662	2662	2662	2662	2662	2662	2662	2662	2662	824	824	824	824	824	824	824	824	824	824	824	824
O&M Expenses	Rs.		1627	1720	1818	1922	2032	2149	2272	2402	2539	2684	2838	3000	3172	3353	3545	3748	3962	4189	4428	4681	4949	5232	5532	5848	6182
Interest on term loan	Rs.		3327	3061	2795	2529	2263	1996	1730	1464	1198	932	665	399	133	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263
Interest on working Capital	Rs.		229	228	228	227	227	228	228	229	230	232	239	241	243	216	224	233	242	252	262	273	284	296	309	323	337
Total Cost of generation	Rs.		10811	10637	10469	10307	10150	10001	9858	9722	9595	9475	9666	9565	9473	7656	7856	8067	8291	8527	8777	9041	9320	9615	9927	10257	10606
Per unit Cost of generation	Rs./kWh		6.50	6.39	6.29	6.19	6.10	6.01	5.92	5.84	5.76	5.69	5.81	5.75	5.69	4.60	4.72	4.85	4.98	5.12	5.27	5.43	5.60	5.78	5.96	6.16	6.37

Levelised Tariff	Rs./kWh	5.96
Accelerated Depreciation	Rs./kWh	0.24
Net Tariff	Rs./kWh	5.72

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY UPTO 10 KW WITH 20% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		2263	2263	2263	2263	2263	2263	2263	2263	2263	2263	2263	2263	2263	700	700	700	700	700	700	700	700	700	700	700	700
O&M Expenses	Rs.		1627	1720	1818	1922	2032	2149	2272	2402	2539	2684	2838	3000	3172	3353	3545	3748	3962	4189	4428	4681	4949	5232	5532	5848	6182
Interest on term loan	Rs.		2606	2380	2153	1927	1701	1474	1248	1022	796	569	343	117	2	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263
Interest on working Capital	Rs.		209	209	209	210	210	211	212	214	216	218	226	229	234	214	222	231	240	250	260	271	282	294	307	321	335
Total Cost of generation	Rs.		9671	9537	9410	9288	9172	9063	8961	8866	8779	8700	8932	8871	8933	7530	7730	7941	8165	8401	8651	8915	9194	9490	9802	10132	10480
Per unit Cost of generation	Rs./kWh		5.81	5.73	5.65	5.58	5.51	5.45	5.38	5.33	5.27	5.23	5.37	5.33	5.37	4.52	4.64	4.77	4.91	5.05	5.20	5.36	5.52	5.70	5.89	6.09	6.30

Levelised Tariff	Rs./kWh	5.47
Accelerated Depreciation	Rs./kWh	0.22
Net Tariff	Rs./kWh	5.25

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY UPTO 10 KW WITH 30% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Salable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		2063	2063	2063	2063	2063	2063	2063	2063	2063	2063	2063	2063	2063	639	639	639	639	639	639	639	639	639	639	639	639
O&M Expenses	Rs.		1627	1720	1818	1922	2032	2149	2272	2402	2539	2684	2838	3000	3172	3353	3545	3748	3962	4189	4428	4681	4949	5232	5532	5848	6182
Interest on term loan	Rs.		2245	2039	1832	1626	1420	1214	1007	801	595	388	182	39	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263
Interest on working Capital	Rs.		199	199	200	201	202	203	205	207	209	211	219	224	230	213	221	230	239	249	259	270	281	293	306	319	334
Total Cost of generation	Rs.		9100	8987	8880	8778	8683	8594	8512	8438	8371	8313	8265	8219	8182	8147	8114	8083	8053	8024	8000	7976	7953	7931	7910	7890	7871
Per unit Cost of generation	Rs./kWh		5.47	5.40	5.34	5.27	5.22	5.16	5.11	5.07	5.03	4.99	4.95	4.91	4.87	4.84	4.81	4.78	4.75	4.72	4.70	4.67	4.65	4.63	4.61	4.59	4.57

Levelised Tariff	Rs./kWh		5.22
Accelerated Depreciation	Rs./kWh		0.21
Net Tariff	Rs./kWh		5.01

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY UPTO 10 KW WITH 40% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	577	577	577	577	577	577	577	577	577	577	577	577
O&M Expenses	Rs.		1627	1720	1818	1922	2032	2149	2272	2402	2539	2684	2838	3000	3172	3353	3545	3748	3962	4189	4428	4681	4949	5232	5532	5848	6182
Interest on term loan	Rs.		1884	1698	1512	1325	1139	953	766	580	394	207	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263
Interest on working Capital	Rs.		189	190	191	192	193	195	197	199	202	204	214	220	227	212	220	229	238	247	258	269	280	292	305	318	333
Total Cost of generation	Rs.		8530	8437	8350	8269	8194	8125	8064	8010	7963	7925	8234	8346	8524	7404	7604	7816	8039	8275	8525	8789	9069	9364	9676	10006	10355
Per unit Cost of generation	Rs./kWh		5.12	5.07	5.02	4.97	4.92	4.88	4.84	4.81	4.78	4.76	4.95	5.01	5.12	4.45	4.57	4.70	4.83	4.97	5.12	5.28	5.45	5.63	5.81	6.01	6.22

Levelised Tariff	4.97
Accelerated Depreciation	0.19
Net Tariff	4.78

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY UPTO 10 KW WITH 70% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	391	391	391	391	391	391	391	391	391	391	391	391
O&M Expenses	Rs.		1627	1720	1818	1922	2032	2149	2272	2402	2539	2684	2838	3000	3172	3353	3545	3748	3962	4189	4428	4681	4949	5232	5532	5848	6182
Interest on term loan	Rs.		802	675	549	423	296	170	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263	3263
Interest on working Capital	Rs.		159	161	163	165	168	170	173	178	184	190	202	209	216	208	217	225	234	244	254	265	277	289	302	315	329
Total Cost of generation	Rs.		6819	6787	6761	6741	6727	6719	6729	6810	6953	7105	7567	7736	7915	7215	7415	7627	7850	8087	8337	8601	8880	9175	9487	9817	10166
Per unit Cost of generation	Rs./kWh		4.10	4.08	4.06	4.05	4.04	4.04	4.04	4.09	4.18	4.27	4.55	4.65	4.76	4.34	4.46	4.58	4.72	4.86	5.01	5.17	5.34	5.51	5.70	5.90	6.11

Levelised Tariff	4.23
Accelerated Depreciation	0.15
Net Tariff	4.08

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY UPTO 10 KW WITH 80% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1064.75	1064.75	1064.75	1064.75	1064.75	1064.75	1064.75	1064.75	1064.75	1064.75	1064.75	1064.75	1064.75	329.56	329.56	329.56	329.56	329.56	329.56	329.56	329.56	329.56	329.56	329.56	329.56
O&M Expenses	Rs.		1627.00	1720.06	1818.45	1922.47	2032.43	2148.69	2271.59	2401.53	2538.90	2684.12	2837.65	2999.97	3171.56	3352.98	3544.77	3747.53	3961.89	4188.51	4428.09	4681.38	4949.15	5232.24	5531.53	5847.93	6182.43
Interest on term loan	Rs.		441.11	334.63	228.16	121.69	34.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Return on Equity	Rs.		2966.08	2966.08	2966.08	2966.08	2966.08	2966.08	2966.08	2966.08	2966.08	2966.08	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69
Interest on working Capital	Rs.		149.20	151.29	153.60	156.15	159.29	163.65	168.90	174.46	180.33	186.54	198.38	205.32	212.66	207.32	215.52	224.18	233.35	243.03	253.28	264.10	275.55	287.65	300.45	313.97	328.27
Total Cost of generation	Rs.		6248.14	6236.81	6231.04	6231.13	6256.77	6343.16	6471.32	6606.81	6750.05	6901.49	7363.47	7532.72	7711.66	7152.55	7352.54	7563.97	7787.49	8023.80	8273.62	8537.73	8816.96	9112.15	9424.23	9754.16	10102.96
Per unit Cost of generation	Rs./kWh		3.75	3.75	3.74	3.74	3.76	3.81	3.89	3.97	4.06	4.15	4.42	4.53	4.63	4.30	4.42	4.54	4.68	4.82	4.97	5.13	5.30	5.47	5.66	5.86	6.07

Levelised Tariff	4.00
Accelerated Depreciation	0.13
Net Tariff	3.87

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY UPTO 10 KW WITH 90% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
Depreciation	Rs.		865.11	865.11	865.11	865.11	865.11	865.11	865.11	865.11	865.11	865.11	865.11	865.11	865.11	267.77	267.77	267.77	267.77	267.77	267.77	267.77	267.77	267.77	267.77	267.77	267.77	267.77
O&M Expenses	Rs.		1627.00	1720.06	1818.45	1922.47	2032.43	2148.69	2271.59	2401.53	2538.90	2684.12	2837.65	2999.97	3171.56	3352.98	3544.77	3747.53	3961.89	4188.51	4428.09	4681.38	4949.15	5232.24	5531.53	5847.93	6182.43	
Interest on term loan	Rs.		80.33	18.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Return on Equity	Rs.		2966.08	2966.08	2966.08	2966.08	2966.08	2966.08	2966.08	2966.08	2966.08	2966.08	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69	3262.69
Interest on working Capital	Rs.		139.22	142.10	145.98	150.42	155.12	160.09	165.35	170.90	176.77	182.98	194.83	201.77	209.10	206.22	214.42	223.08	232.25	241.93	252.18	263.00	274.45	286.55	299.35	312.87	327.17	
Total Cost of generation	Rs.		5677.74	5711.89	5795.62	5904.08	6018.74	6139.97	6268.13	6403.62	6546.86	6698.29	7160.28	7329.53	7508.46	7089.65	7289.64	7501.07	7724.59	7960.90	8210.73	8474.84	8754.06	9049.25	9361.33	9691.26	10040.06	
Per unit Cost of generation	Rs./kWh		3.41	3.43	3.48	3.55	3.62	3.69	3.77	3.85	3.93	4.02	4.30	4.40	4.51	4.26	4.38	4.51	4.64	4.78	4.93	5.09	5.26	5.44	5.62	5.82	6.03	

Levelised Tariff	3.81
Accelerated Depreciation	0.11
Net Tariff	3.70

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 10 KW & UPTO 100KW WITH NIL SUBSIDY) FOR FY 2019-20

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	755	755	755	755	755	755	755	755	755	755	755	755
O&M Expenses	Rs.		1448	1531	1618	1711	1809	1912	2022	2137	2260	2389	2525	2670	2823	2984	3155	3335	3526	3728	3941	4166	4405	4657	4923	5205	5502
Interest on term loan	Rs.		3050	2806	2562	2318	2074	1830	1586	1342	1098	854	610	366	122	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2719	2719	2719	2719	2719	2719	2719	2719	2719	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991
Interest on working Capital	Rs.		208	207	207	206	206	206	207	207	208	209	216	217	220	194	202	209	217	226	235	245	255	266	277	289	302
Total Cost of generation	Rs.		9865	9703	9546	9394	9248	9108	8973	8845	8725	8611	8782	8684	8595	6924	7102	7291	7490	7700	7922	8157	8406	8668	8946	9240	9550
Per unit Cost of generation	Rs./kWh		5.93	5.83	5.74	5.64	5.56	5.47	5.39	5.31	5.24	5.17	5.28	5.22	5.16	4.16	4.27	4.38	4.50	4.63	4.76	4.90	5.05	5.21	5.38	5.55	5.74

Levelised Tariff	5.42
Accelerated Depreciation	0.22
Net Tariff	5.20

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 10 KW & UPTO 100KW WITH 20% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	642	642	642	642	642	642	642	642	642	642	642	642
O&M Expenses	Rs.		1448	1531	1618	1711	1809	1912	2022	2137	2260	2389	2525	2670	2823	2984	3155	3335	3526	3728	3941	4166	4405	4657	4923	5205	5502
Interest on term loan	Rs.		2389	2181	1974	1766	1559	1352	1144	937	729	522	315	107	2	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2719	2719	2719	2719	2719	2719	2719	2719	2719	2719	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991
Interest on working Capital	Rs.		190	190	190	190	190	191	192	193	195	197	204	206	211	192	200	207	215	224	233	243	253	264	275	287	300
Total Cost of generation	Rs.		8819	8695	8575	8460	8351	8248	8151	8060	7977	7901	8109	8048	8100	6809	6987	7175	7374	7585	7807	8042	8290	8553	8831	9125	9435
Per unit Cost of generation	Rs. /kWh		5.30	5.22	5.15	5.08	5.02	4.96	4.90	4.84	4.79	4.75	4.87	4.84	4.87	4.09	4.20	4.31	4.43	4.56	4.69	4.83	4.98	5.14	5.31	5.48	5.67

Levelised Tariff	4.97
Accelerated Depreciation	0.20
Net Tariff	4.77

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 10 KW & UPTO 100KW WITH 30% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	585	585	585	585	585	585	585	585	585	585	585	585
O&M Expenses	Rs.		1448	1531	1618	1711	1809	1912	2022	2137	2260	2389	2525	2670	2823	2984	3155	3335	3526	3728	3941	4166	4405	4657	4923	5205	5502
Interest on term loan	Rs.		2058	1869	1680	1491	1302	1112	923	734	545	356	167	36	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2719	2719	2719	2719	2719	2719	2719	2719	2719	2719	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991
Interest on working Capital	Rs.		181	181	181	182	183	184	185	187	188	191	198	202	208	191	199	206	214	223	232	242	252	263	274	286	299
Total Cost of generation	Rs.		8297	8190	8089	7993	7903	7818	7740	7668	7603	7545	7772	7790	7912	6751	6929	7118	7317	7527	7749	7984	8233	8495	8773	9067	9377
Per unit Cost of generation	Rs./kWh		4.98	4.92	4.86	4.80	4.75	4.70	4.65	4.61	4.57	4.53	4.67	4.68	4.75	4.06	4.16	4.28	4.40	4.52	4.66	4.80	4.95	5.10	5.27	5.45	5.63

Levelised Tariff	4.74
Accelerated Depreciation	0.19
Net Tariff	4.56

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 10 KW & UPTO 100KW WITH 40% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	529	529	529	529	529	529	529	529	529	529	529	529
O&M Expenses	Rs.		1448	1531	1618	1711	1809	1912	2022	2137	2260	2389	2525	2670	2823	2984	3155	3335	3526	3728	3941	4166	4405	4657	4923	5205	5502
Interest on term loan	Rs.		1727	1556	1386	1215	1044	873	702	532	361	190	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2719	2719	2719	2719	2719	2719	2719	2719	2719	2719	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991
Interest on working Capital	Rs.		172	172	173	174	175	176	178	180	182	184	193	198	204	190	198	205	213	222	231	241	251	262	273	285	298
Total Cost of generation	Rs.		7774	7686	7604	7526	7455	7389	7329	7276	7229	7190	7469	7567	7726	6694	6872	7060	7259	7469	7692	7927	8175	8438	8716	9009	9320
Per unit Cost of generation	Rs./kWh		4.67	4.62	4.57	4.52	4.48	4.44	4.40	4.37	4.34	4.32	4.49	4.55	4.64	4.02	4.13	4.24	4.36	4.49	4.62	4.76	4.91	5.07	5.24	5.41	5.60

Levelised Tariff	4.52
Accelerated Depreciation	0.18
Net Tariff	4.34

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 10 KW & UPTO 100KW WITH 70% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	359	359	359	359	359	359	359	359	359	359	359	359
O&M Expenses	Rs.		1448	1531	1618	1711	1809	1912	2022	2137	2260	2389	2525	2670	2823	2984	3155	3335	3526	3728	3941	4166	4405	4657	4923	5205	5502
Interest on term loan	Rs.		735	619	503	387	271	156	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2719	2719	2719	2719	2719	2719	2719	2719	2719	2719	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991
Interest on working Capital	Rs.		144	146	147	149	151	154	156	160	166	171	182	188	195	187	195	202	210	219	228	238	248	259	270	282	295
Total Cost of generation	Rs.		6205	6173	6147	6125	6109	6099	6105	6176	6303	6438	6857	7008	7167	6521	6699	6887	7086	7296	7519	7754	8002	8265	8543	8836	9147
Per unit Cost of generation	Rs./kWh		3.73	3.71	3.69	3.68	3.67	3.66	3.67	3.71	3.79	3.87	4.12	4.21	4.31	3.92	4.02	4.14	4.26	4.38	4.52	4.66	4.81	4.97	5.13	5.31	5.50

Levelised Tariff	3.84
Accelerated Depreciation	0.14
Net Tariff	3.70

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 10 KW & UPTO 100KW WITH 80% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		976	976	976	976	976	976	976	976	976	976	976	976	976	302	302	302	302	302	302	302	302	302	302	302	302
O&M Expenses	Rs.		1448	1531	1618	1711	1809	1912	2022	2137	2260	2389	2525	2670	2823	2984	3155	3335	3526	3728	3941	4166	4405	4657	4923	5205	5502
Interest on term loan	Rs.		404	307	209	112	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2719	2719	2719	2719	2719	2719	2719	2719	2719	2719	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991
Interest on working Capital	Rs.		135	137	139	141	144	148	152	157	162	168	179	185	191	186	194	201	209	218	227	237	247	258	269	281	294
Total Cost of generation	Rs.		5682	5669	5661	5658	5679	5755	5869	5989	6117	6252	6671	6822	6981	6463	6641	6829	7028	7239	7461	7696	7944	8207	8485	8779	9089
Per unit Cost of generation	Rs./kWh		3.41	3.41	3.40	3.40	3.41	3.46	3.53	3.60	3.68	3.76	4.01	4.10	4.19	3.88	3.99	4.10	4.22	4.35	4.48	4.62	4.77	4.93	5.10	5.27	5.46

Levelised Tariff	3.63
Accelerated Depreciation	0.12
Net Tariff	3.51

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 10 KW & UPTO 100KW WITH 90% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		793	793	793	793	793	793	793	793	793	793	793	793	793	245	245	245	245	245	245	245	245	245	245	245	245
O&M Expenses	Rs.		1448	1531	1618	1711	1809	1912	2022	2137	2260	2389	2525	2670	2823	2984	3155	3335	3526	3728	3941	4166	4405	4657	4923	5205	5502
Interest on term loan	Rs.		74	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2719	2719	2719	2719	2719	2719	2719	2719	2719	2719	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991	2991
Interest on working Capital	Rs.		126	128	132	136	140	144	149	154	159	165	175	182	188	185	193	200	208	217	226	236	246	257	268	280	293
Total Cost of generation	Rs.		5159	5188	5262	5359	5461	5569	5683	5803	5931	6065	6485	6635	6795	6406	6584	6772	6971	7181	7403	7638	7887	8150	8427	8721	9031
Per unit Cost of generation	Rs./kWh		3.10	3.12	3.16	3.22	3.28	3.35	3.41	3.49	3.56	3.64	3.90	3.99	4.08	3.85	3.96	4.07	4.19	4.31	4.45	4.59	4.74	4.90	5.06	5.24	5.43

Levelised Tariff	3.45
Accelerated Depreciation	0.10
Net Tariff	3.35

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 100 KW & UPTO 500 KW WITH NIL SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		2293	2293	2293	2293	2293	2293	2293	2293	2293	2293	2293	2293	2293	710	710	710	710	710	710	710	710	710	710	710	710
O&M Expenses	Rs.		1320	1396	1475	1560	1649	1743	1843	1948	2060	2178	2302	2434	2573	2720	2876	3040	3214	3398	3593	3798	4015	4245	4488	4744	5016
Interest on term loan	Rs.		2866	2636	2407	2178	1949	1719	1490	1261	1032	802	573	344	115	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810
Interest on working Capital	Rs.		194	193	192	192	192	191	192	192	193	194	200	201	203	179	186	193	200	208	216	225	234	244	255	266	277
Total Cost of generation	Rs.		9227	9072	8922	8777	8636	8501	8372	8249	8131	8021	8177	8081	7993	6419	6581	6753	6934	7126	7328	7543	7769	8009	8262	8530	8813
Per unit Cost of generation	Rs./kWh		5.54	5.45	5.36	5.27	5.19	5.11	5.03	4.96	4.89	4.82	4.91	4.86	4.80	3.86	3.95	4.06	4.17	4.28	4.40	4.53	4.67	4.81	4.96	5.12	5.29

Levelised Tariff	5.06
Accelerated Depreciation	0.21
Net Tariff	4.85

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 100 KW & UPTO 500 KW WITH 20%SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1949	1949	1949	1949	1949	1949	1949	1949	1949	1949	1949	1949	1949	603	603	603	603	603	603	603	603	603	603	603	603
O&M Expenses	Rs.		1320	1396	1475	1560	1649	1743	1843	1948	2060	2178	2302	2434	2573	2720	2876	3040	3214	3398	3593	3798	4015	4245	4488	4744	5016
Interest on term loan	Rs.		2244	2049	1855	1660	1465	1270	1075	880	685	490	296	101	2	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810
Interest on working Capital	Rs.		177	176	176	176	177	177	178	179	180	182	188	191	195	177	184	191	198	206	214	223	232	242	253	264	275
Total Cost of generation	Rs.		8244	8125	8009	7899	7794	7694	7599	7511	7429	7353	7545	7484	7528	6311	6473	6644	6826	7017	7220	7434	7661	7900	8154	8421	8704
Per unit Cost of generation	Rs./kWh		4.95	4.88	4.81	4.75	4.68	4.62	4.57	4.51	4.46	4.42	4.53	4.50	4.52	3.79	3.89	3.99	4.10	4.22	4.34	4.47	4.60	4.75	4.90	5.06	

Levelised Tariff	4.63
Accelerated Depreciation	0.19
Net Tariff	4.44

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 100 KW & UPTO 500 KW WITH 30% SUBSIDY) FOR FY 2019-20

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	550	550	550	550	550	550	550	550	550	550	550	550
O&M Expenses	Rs.		1320	1396	1475	1560	1649	1743	1843	1948	2060	2178	2302	2434	2573	2720	2876	3040	3214	3398	3593	3798	4015	4245	4488	4744	5016
Interest on term loan	Rs.		1934	1756	1578	1401	1223	1045	867	690	512	334	157	34	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810
Interest on working Capital	Rs.		168	168	168	169	169	170	171	173	174	176	183	186	192	176	183	190	197	205	213	222	231	241	252	263	274
Total Cost of generation	Rs.		7753	7651	7553	7460	7373	7290	7213	7142	7078	7020	7229	7241	7352	6256	6419	6590	6772	6963	7166	7380	7607	7846	8099	8367	8650
Per unit Cost of generation	Rs./kWh		4.66	4.60	4.54	4.48	4.43	4.38	4.33	4.29	4.25	4.22	4.34	4.35	4.42	3.76	3.86	3.96	4.07	4.18	4.31	4.43	4.57	4.71	4.87	5.03	5.20

Levelised Tariff	4.42
Accelerated Depreciation	0.18
Net Tariff	4.24

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 100 KW & UPTO 500 KW WITH 40% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1605	1605	1605	1605	1605	1605	1605	1605	1605	1605	1605	1605	1605	497	497	497	497	497	497	497	497	497	497	497	497
O&M Expenses	Rs.		1320	1396	1475	1560	1649	1743	1843	1948	2060	2178	2302	2434	2573	2720	2876	3040	3214	3398	3593	3798	4015	4245	4488	4744	5016
Interest on term loan	Rs.		1623	1462	1302	1141	981	820	660	499	339	178	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810
Interest on working Capital	Rs.		159	160	160	161	162	163	165	166	168	170	178	183	189	175	182	189	196	204	212	221	231	240	251	262	273
Total Cost of generation	Rs.		7262	7177	7097	7022	6951	6886	6827	6774	6726	6686	6944	7031	7177	6202	6365	6536	6717	6909	7112	7326	7553	7792	8045	8313	8596
Per unit Cost of generation	Rs./kWh		4.36	4.31	4.26	4.22	4.18	4.14	4.10	4.07	4.04	4.02	4.17	4.22	4.31	3.73	3.82	3.93	4.04	4.15	4.27	4.40	4.54	4.68	4.83	4.99	5.16

Levelised Tariff	4.20
Accelerated Depreciation	0.17
Net Tariff	4.04

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 100 KW & UPTO 500 KW WITH 70% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	337	337	337	337	337	337	337	337	337	337	337	337
O&M Expenses	Rs.		1320	1396	1475	1560	1649	1743	1843	1948	2060	2178	2302	2434	2573	2720	2876	3040	3214	3398	3593	3798	4015	4245	4488	4744	5016
Interest on term loan	Rs.		691	582	473	364	255	146	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810
Interest on working Capital	Rs.		134	135	136	138	140	142	144	148	153	158	168	173	179	172	179	186	193	201	210	218	228	238	248	259	270
Total Cost of generation	Rs.		5788	5756	5728	5705	5687	5675	5677	5740	5856	5979	6369	6506	6652	6040	6202	6374	6555	6747	6949	7164	7390	7630	7883	8150	8433
Per unit Cost of generation	Rs./kWh		3.48	3.46	3.44	3.43	3.42	3.41	3.41	3.45	3.52	3.59	3.83	3.91	4.00	3.63	3.73	3.83	3.94	4.05	4.18	4.30	4.44	4.58	4.74	4.90	5.07

Levelised Tariff	3.57
Accelerated Depreciation	0.13
Net Tariff	3.44

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 100 KW & UPTO 500 KW WITH 80% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		917	917	917	917	917	917	917	917	917	917	917	917	917	284	284	284	284	284	284	284	284	284	284	284	284
O&M Expenses	Rs.		1320	1396	1475	1560	1649	1743	1843	1948	2060	2178	2302	2434	2573	2720	2876	3040	3214	3398	3593	3798	4015	4245	4488	4744	5016
Interest on term loan	Rs.		380	288	197	105	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810
Interest on working Capital	Rs.		125	127	128	130	133	136	141	145	150	155	165	170	176	171	178	185	193	200	209	217	227	237	247	258	270
Total Cost of generation	Rs.		5297	5282	5272	5267	5283	5351	5455	5565	5681	5804	6194	6331	6477	5986	6148	6319	6501	6692	6895	7109	7336	7575	7829	8096	8379
Per unit Cost of generation	Rs./kWh		3.18	3.17	3.17	3.16	3.17	3.22	3.28	3.34	3.41	3.49	3.72	3.80	3.89	3.60	3.69	3.80	3.91	4.02	4.14	4.27	4.41	4.55	4.70	4.86	5.03

Levelised Tariff	3.37
Accelerated Depreciation	0.11
Net Tariff	3.26

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 100 KW & UPTO 500 KW WITH 90% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		745	745	745	745	745	745	745	745	745	745	745	745	745	231	231	231	231	231	231	231	231	231	231	231	231
O&M Expenses	Rs.		1320	1396	1475	1560	1649	1743	1843	1948	2060	2178	2302	2434	2573	2720	2876	3040	3214	3398	3593	3798	4015	4245	4488	4744	5016
Interest on term loan	Rs.		69	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810
Interest on working Capital	Rs.		116	119	122	125	129	133	138	142	147	152	162	167	173	170	177	184	192	199	208	217	226	236	246	257	269
Total Cost of generation	Rs.		4805	4830	4897	4985	5078	5176	5280	5390	5506	5629	6019	6156	6302	5931	6094	6265	6447	6638	6841	7055	7282	7521	7774	8042	8325
Per unit Cost of generation	Rs./kWh		2.89	2.90	2.94	2.99	3.05	3.11	3.17	3.24	3.31	3.38	3.62	3.70	3.79	3.56	3.66	3.76	3.87	3.99	4.11	4.24	4.38	4.52	4.67	4.83	5.00

Levelised Tariff	3.21
Accelerated Depreciation	0.09
Net Tariff	3.11

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 500 KW & UPTO 1MW WITH NIL SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	684	684	684	684	684	684	684	684	684	684	684	684
O&M Expenses	Rs.		1230	1300	1375	1453	1537	1624	1717	1816	1919	2029	2145	2268	2398	2535	2680	2833	2995	3166	3348	3539	3742	3956	4182	4421	4674
Interest on term loan	Rs.		2762	2541	2320	2099	1878	1657	1436	1215	994	773	552	331	110	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2462	2462	2462	2462	2462	2462	2462	2462	2462	2462	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708
Interest on working Capital	Rs.		185	184	183	183	182	182	182	182	183	184	189	190	192	169	175	182	188	196	204	212	220	230	239	249	260
Total Cost of generation	Rs.		8847	8696	8549	8406	8268	8134	8006	7884	7767	7657	7804	7707	7617	6095	6246	6406	6575	6754	6943	7142	7354	7577	7813	8062	8326
Per unit Cost of generation	Rs./kWh		5.32	5.22	5.14	5.05	4.97	4.89	4.81	4.74	4.67	4.60	4.69	4.63	4.58	3.66	3.75	3.85	3.95	4.06	4.17	4.29	4.42	4.55	4.69	4.84	5.00

Levelised Tariff	4.83
Accelerated Depreciation	0.20
Net Tariff	4.63

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 500 KW & UPTO 1MW WITH 20% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1878	1878	1878	1878	1878	1878	1878	1878	1878	1878	1878	1878	1878	581	581	581	581	581	581	581	581	581	581	581	581
O&M Expenses	Rs.		1230	1300	1375	1453	1537	1624	1717	1816	1919	2029	2145	2268	2398	2535	2680	2833	2995	3166	3348	3539	3742	3956	4182	4421	4674
Interest on term loan	Rs.		2163	1975	1787	1599	1412	1224	1036	848	660	473	285	97	2	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2462	2462	2462	2462	2462	2462	2462	2462	2462	2462	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708
Interest on working Capital	Rs.		168	168	168	168	168	169	169	170	171	172	178	180	184	167	173	180	187	194	202	210	219	228	237	248	258
Total Cost of generation	Rs.		7901	7783	7669	7560	7456	7356	7262	7173	7090	7014	7194	7131	7169	5991	6142	6302	6471	6650	6838	7038	7249	7472	7708	7958	8221
Per unit Cost of generation	Rs./kWh		4.75	4.68	4.61	4.54	4.48	4.42	4.36	4.31	4.26	4.21	4.32	4.28	4.31	3.60	3.69	3.79	3.89	4.00	4.11	4.23	4.36	4.49	4.63	4.78	4.94

Levelised Tariff	4.42
Accelerated Depreciation	0.18
Net Tariff	4.24

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 500 KW & UPTO 1MW WITH 30% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1712	1712	1712	1712	1712	1712	1712	1712	1712	1712	1712	1712	1712	530	530	530	530	530	530	530	530	530	530	530	530
O&M Expenses	Rs.		1230	1300	1375	1453	1537	1624	1717	1816	1919	2029	2145	2268	2398	2535	2680	2833	2995	3166	3348	3539	3742	3956	4182	4421	4674
Interest on term loan	Rs.		1863	1692	1521	1350	1178	1007	836	665	494	322	151	33	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2462	2462	2462	2462	2462	2462	2462	2462	2462	2462	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708
Interest on working Capital	Rs.		160	160	160	161	161	162	163	164	165	167	173	176	181	166	172	179	186	193	201	209	218	227	236	247	257
Total Cost of generation	Rs.		7427	7326	7230	7137	7050	6967	6890	6818	6752	6692	6889	6897	6999	5939	6090	6250	6419	6597	6786	6986	7197	7420	7656	7905	8169
Per unit Cost of generation	Rs./kWh		4.46	4.40	4.34	4.29	4.24	4.19	4.14	4.10	4.06	4.02	4.14	4.14	4.21	3.57	3.66	3.75	3.86	3.96	4.08	4.20	4.32	4.46	4.60	4.75	4.91

Levelised Tariff	4.22
Accelerated Depreciation	0.17
Net Tariff	4.05

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 500 KW & UPTO 1MW WITH 40% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	479	479	479	479	479	479	479	479	479	479	479	479
O&M Expenses	Rs.		1230	1300	1375	1453	1537	1624	1717	1816	1919	2029	2145	2268	2398	2535	2680	2833	2995	3166	3348	3539	3742	3956	4182	4421	4674
Interest on term loan	Rs.		1564	1409	1255	1100	945	791	636	481	327	172	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2462	2462	2462	2462	2462	2462	2462	2462	2462	2462	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708
Interest on working Capital	Rs.		152	152	153	153	154	155	156	158	159	161	168	173	178	185	192	198	205	212	220	228	236	244	252	260	268
Total Cost of generation	Rs.		6954	6870	6790	6715	6644	6578	6518	6463	6413	6371	6615	6695	6830	5886	6038	6197	6366	6545	6734	6934	7145	7368	7604	7853	8117
Per unit Cost of generation	Rs./kWh		4.18	4.13	4.08	4.03	3.99	3.95	3.92	3.88	3.85	3.83	3.97	4.02	4.10	3.54	3.63	3.72	3.83	3.93	4.05	4.17	4.29	4.43	4.57	4.72	4.88

Levelised Tariff	4.01
Accelerated Depreciation	0.16
Net Tariff	3.85

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 500 KW & UPTO 1MW WITH 70% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049
O&M Expenses	Rs.		1230	1300	1375	1453	1537	1624	1717	1816	1919	2029	2145	2268	2398	2535	2680	2833	2995	3166	3348	3539	3742	3956	4182	4421	4674
Interest on term loan	Rs.		666	561	456	351	246	141	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2462	2462	2462	2462	2462	2462	2462	2462	2462	2462	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708
Interest on working Capital	Rs.		127	128	129	131	133	134	137	140	145	149	159	164	169	175	182	189	197	205	214	223	233	243	254		
Total Cost of generation	Rs.		5534	5500	5471	5446	5426	5411	5409	5467	5575	5690	6061	6189	6324	6530	6881	7301	7811	8411	9111	9911	10811	11811	12911	14111	15411
Per unit Cost of generation	Rs./kWh		3.32	3.30	3.29	3.27	3.26	3.25	3.25	3.28	3.35	3.42	3.64	3.72	3.80	3.44	3.53	3.63	3.73	3.84	3.95	4.07	4.20	4.33	4.47	4.62	4.78

Levelised Tariff	3.40
Accelerated Depreciation	0.12
Net Tariff	3.28

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 500 KW & UPTO 1MW WITH 80% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		884	884	884	884	884	884	884	884	884	884	884	884	884	274	274	274	274	274	274	274	274	274	274	274	274
O&M Expenses	Rs.		1230	1300	1375	1453	1537	1624	1717	1816	1919	2029	2145	2268	2398	2535	2680	2833	2995	3166	3348	3539	3742	3956	4182	4421	4674
Interest on term loan	Rs.		366	278	189	101	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2462	2462	2462	2462	2462	2462	2462	2462	2462	2462	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708
Interest on working Capital	Rs.		119	120	122	124	126	129	133	137	142	146	156	161	166	161	168	174	181	188	196	204	213	222	232	242	253
Total Cost of generation	Rs.		5060	5044	5031	5023	5036	5099	5196	5298	5406	5521	5892	6020	6156	5678	5829	5989	6158	6336	6525	6725	6936	7159	7395	7644	7908
Per unit Cost of generation	Rs./kWh		3.04	3.03	3.02	3.02	3.03	3.06	3.12	3.18	3.25	3.32	3.54	3.62	3.70	3.41	3.50	3.60	3.70	3.81	3.92	4.04	4.17	4.30	4.44	4.59	4.75

Levelised Tariff	3.21
Accelerated Depreciation	0.11
Net Tariff	3.10

TARIFF DETERMINATION FOR ROOFTOP SOLAR PV PLANTS (INSTALLED CAPACITY ABOVE 500 KW & UPTO 1MW WITH 90% SUBSIDY) FOR FY 2022-23

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40
Aux Consumption	%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Saleable Energy	kWh		1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40	1664.40

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs.		718	718	718	718	718	718	718	718	718	718	718	718	718	222	222	222	222	222	222	222	222	222	222	222	222
O&M Expenses	Rs.		1230	1300	1375	1453	1537	1624	1717	1816	1919	2029	2145	2268	2398	2535	2680	2833	2995	3166	3348	3539	3742	3956	4182	4421	4674
Interest on term loan	Rs.		67	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return on Equity	Rs.		2462	2462	2462	2462	2462	2462	2462	2462	2462	2462	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708	2708
Interest on working Capital	Rs.		110	112	115	119	122	126	130	134	139	143	153	158	164	161	167	173	180	188	195	203	212	221	231	241	252
Total Cost of generation	Rs.		4587	4608	4670	4752	4839	4930	5027	5129	5238	5352	5724	5852	5987	5625	5777	5937	6105	6284	6473	6673	6884	7107	7343	7592	7856
Per unit Cost of generation	Rs./kWh		2.76	2.77	2.81	2.85	2.91	2.96	3.02	3.08	3.15	3.22	3.44	3.52	3.60	3.38	3.47	3.57	3.67	3.78	3.89	4.01	4.14	4.27	4.41	4.56	4.72

Levelised Tariff	3.05
Accelerated Depreciation	0.09
Net Tariff	2.96

TARIFF DETERMINATION FOR SOLAR THERMAL POWER PLANTS OF UTTARAKHAND FOR FY 2022-23

Annexure-III

Units Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Generation	MU		1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
Aux Consumption	%		10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Saleable Energy	MU		1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498

Cost of Generation	Unit	Year-->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Depreciation	Rs. Lakh		64.62	64.62	64.62	64.62	64.62	64.62	64.62	64.62	64.62	64.62	64.62	64.62	64.62	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
O&M Expenses	Rs. Lakh		16.77	17.73	18.74	19.82	20.95	22.15	23.41	24.75	26.17	27.67	29.25	30.92	32.69	34.56	36.54	38.63	40.84	43.17	45.64	48.25	51.01	53.93	57.02	60.28	63.72
Interest on term loan	Rs. Lakh		80.77	74.31	67.85	61.38	54.92	48.46	42.00	35.54	29.08	22.62	16.15	9.69	3.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Return on Equity	Rs. Lakh		72.00	72.00	72.00	72.00	72.00	72.00	72.00	72.00	72.00	72.00	79.20	79.20	79.20	79.20	79.20	79.20	79.20	79.20	79.20	79.20	79.20	79.20	79.20	79.20	79.20
Interest on working Capital	Rs. Lakh		4.59	4.51	4.44	4.37	4.31	4.24	4.18	4.12	4.07	4.02	4.10	4.06	4.02	3.24	3.33	3.42	3.51	3.61	3.72	3.83	3.95	4.07	4.20	4.34	4.49
Total Cost of generation	Rs. Lakh		238.74	233.17	227.65	222.19	216.79	211.47	206.21	201.03	195.93	190.92	193.32	188.49	183.75	137.00	139.07	141.25	143.55	145.98	148.56	151.28	154.16	157.20	160.42	163.82	167.42
Per unit Cost of generation	Rs. /kWh		15.94	15.57	15.20	14.83	14.47	14.12	13.77	13.42	13.08	12.75	12.91	12.58	12.27	9.15	9.28	9.43	9.58	9.75	9.92	10.10	10.29	10.49	10.71	10.94	11.18

Levelised Tariff	13.70
Accelerated Depreciation	0.59
Net Tariff	13.12