

Ref No: Invoice RPSC/2020-21/07

02<sup>nd</sup> Nov 2020

The Superintending Engineer  
Electricity Import, Export and Payment Circle  
UP Power Corporation Limited  
11<sup>th</sup> Floor, Shakti Bhawan Extn.  
14, Ashok Marg, Lucknow 226 001

**Sub: Provisional Invoice towards the supply of Power from Rosa Power  
Project**

**Ref: UPERC order dated 22.08.2017 and 25.04.2018**

Dear Sir,

We enclose herewith provisional invoice no. Rosa TPP/ 2020-21/Invoice/07 for the month of **October 2020** issued on the basis of UPERC order dated 22.08.2017 and 25.04.2018.

Please note that the present invoice is without prejudice to any of our claims, rights and entitlements under PPA and law all of which are specifically reserved.

Thanking you

For Rosa Power Supply Company Ltd

(Sumeet Notani)  
Authorized Signatory



Enclosures: As above

CC: The Executive Director (Finance), UPPCL Lucknow

*Sumeet Notani*  
02/11/2020

# Rosa Power Supply Company Ltd.

Administrative Block, Hardoi Road PO Rausar Kothi, Tehsil Sadar, District Shahjahanpur 242406  
GSTIN: 09AABCR8917M1ZR, PAN: AABCR8917M

Ref No. - Rosa TPP/2020-21/Invoice/07

Billing Period: Oct 2020

Nature of Bill: Monthly Invoice for Recovery of Fixed and Variable Charges

Bill Date 2/Nov/2020

Due Date 2/Dec/2020

To,

The Superintending Engineer, Electricity Import, Export and Payment Circle  
Uttar Pradesh Power Corporation Ltd, Shakti Bhawan  
14, Ashok Marg, Lucknow - 226 001  
PAN : AAACU5088M

Without Prejudice  
Invoice Rosa Tpp

Subject: Invoice for Charges Payable by UPPCL for the month of Oct 2020  
Reference: Amended and Reinstated Power Purchase Agreement (PPA) dated 12.11.2006 and all its amendments  
UPERC Order dated 28.03.2011 approving Multi-Year Tariff of Rosa TPP (Stage I)  
UPERC Order dated 22.08.2017 approving Multi-Year Tariff of Rosa TPP  
UPERC Order dated 25.04.2018 approving Multi-Year Tariff of Rosa TPP

## Details of charges Payable by UPPCL During The Billing Period

S. No.	Description	Energy	Amount	Source
		(kWh)	(Rs.)	
1	Total Fixed Charges Payable by UPPCL for the Billing Period	780,990,875	1,057,858,333	Fixed Charges Details (Annexure 1)
2	Total Variable Charges Payable by UPPCL for the Billing Period	610,746,390	1,742,395,297	Variable Charges Details (Annexure 2)
3	Tax collection at Source (TCS) (@ 0.075% of (1+2))		2,100,190	
4	Total Amount Payable by UPPCL for the Billing Period		2,802,353,821	
<b>Amount in Words : Rupees Two Hundred Eighty Crores Twenty Three Lacs Fifty Three Thousand Eight Hundred Twenty One Only</b>				

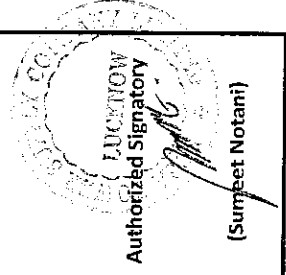
Note:

1 Payments shall be made in the favour of Rosa Power Supply Company Ltd, A/c No : 1261030000001359, (IDBI Bank Cuffe Parade WTC Branch, IFSC Code: IBKL0000126)

2 The invoice towards Deemed Energy due to grid disturbance/transmission line tripping and Incentive will be raised separately.

Annexures:

- 1 Details of fixed charges recoverable during the billing period
- 2 Details of variable charges recoverable during the billing period
- 3 Details of Declared Capacity and Scheduled Generation as per Schedule Issued by UP SLDC
- 4 Details of Adjustment in VC for the month of Sept'20 due to revised GCV on CIMFR Values



## Details of Fixed Charges Payable by UPPCL

S. No.	Description	Units	Value		Source
				October-20	
1	Energy as per Declared Capacity of the Billing Period for Phase I (As per the DC issued by RPSCL)	kWh		408,404,250	Annexure 3
2	Energy as per Declared Capacity of the Billing Period for Phase II (As per the DC issued by RPSCL)	kWh		372,586,625	Annexure 3
3	Total Energy Considered for Fixed Charges Calculation	kWh		780,990,875	(3 = 1 + 2)
4	No. of Days in Billing Period	Days		31	
5	Availability Factor for the Billing Period	%		95.60%	
6	Annual Fixed Charges approved by UPERC for FY 2018-19	(Rs)		12,694,300,000	Suo-motu order on applicability of UPERC GR14 Dated 11/05/2020
7	Monthly Fixed Charges	(Rs)		1,057,858,333	
8	Cumulative Fixed Charges Year Till End of Billing Period	(Rs)		7,405,008,333	
9	Cumulative energy as per Declared Capacity Year Till End of Billing Period	kWh		5,554,500,500	
10	Days in the current tariff year	Days		214	
11	Cumulative Availability as per Declared Capacity Year Till End of Billing Period	%		98.50%	
12	Cumulative Fixed Charges recoverable Year Till End of Billing Period	(Rs)		7,405,008,333	
13	Fixed Charges already billed Till Date	(Rs)		6,347,150,000	
14	<b>Fixed Charges recoverable in this bill</b>	<b>(Rs)</b>		<b>1,057,858,333</b>	

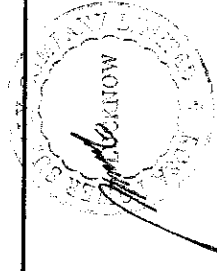
## Note:

1) The invoice towards Deemed Energy due to grid disturbance/transmission line tripping and Incentive will be raised separately.

Formula For Availability  
Calculation

Declared Capacity

1200 X 24 X (No. of Days) X (100% - %Auxiliary Consumption) X 1000



## Details of Variable Charges Payable by UPPCL During The Billing Period

## Description

	Description	Units	Value	Source
1.	Scheduled Energy For Rosa TPP Phase I (As per the schedule issued by UP SLDC)	kWh	319,828,590	Annexure 3
2.	Scheduled Energy For Rosa TPP Phase II (As per the schedule issued by UP SLDC)	kWh	290,917,800	Annexure 3
3.	<b>Total Scheduled Energy for the Station</b>	<b>kWh</b>	<b>610,746,390</b>	
4.	Energy Charge Rate (ECR)	(Rs)	<b>2.854</b>	Table: Energy Charge
5.	Total Variable Charges calculated for the billing period	(Rs)	1,743,070,197	
6.	VC Adjustment on account of CIMFR GCV Values (unloading end) - Sept'20	(Rs)	-674,900	Annexure 4
7.	<b>Total Variable Charges Recoverable during the billing period (5+6)</b>	<b>(Rs)</b>	<b>1,742,395,297</b>	
8.	<b>Effective ECR for the Billing Period</b>	<b>(Rs)</b>	<b>2.853</b>	

## Energy Charge Calculation

	Description	Formula	Units	Value	Remarks
1.	Average per unit primary fuel cost	LPPF	Rs/Kg	4.20369	Annexure 2A
2.	Scheduled Energy (As per schedule issued by UP SLDC)	SG	kWh	610746390	Schedule Issued by UPPCL
3.	Auxiliary Consumption (for Electrically driven boiler feed pump and induced draft cooling tower)	Aux	%	8.50%	As per Generation Regulation 2019
4.	Normative Gross Station Heat Rate	GSHR	kCal/kWh	2430	As per UPERC Generation Tariff Regulation 2019
5.	Weighted Average As Received GCV of Primary fuel	CVPF	kCal/kg	3935.00	Annexure 2A
6.	Average GCV of Secondary fuel	CVSF	kCal/ml	9.39	Monthly Average (Annexure 2B)
7.	Normative specific fuel oil consumption	SFC	ml/kWh	0.50	As per UPERC Generation Tariff Regulation 2019
8.	Average per unit secondary fuel cost	LPSFI	Rs/ ml	0.04130523	Annexure 2B
9.	<b>Energy Charge Rate (ECR)</b>	$\{(GSHR-SFC \times CVSF) \times LPPF / CVPF + SFC \times LPSFI + LC \times LPL\} \times 100 / (100-Aux)$	Rs	2.854	Calculated as per formula in Generation Regulation 2019

## Note:

ECR is calculated considering weighted average As Received GCV of Primary fuel in KCal/Kg less 85KCal/Kg on account of variation during storage and CV of Secondary fuel in KCal/ml as per UPERC tariff regulation 2019.

## Annexures:

- 2A Details of Primary Fuel
- 2B Details of Secondary Fuel
- 2C Fuel Test Certificates

