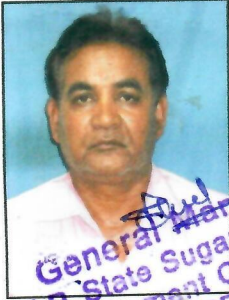




उत्तर प्रदेश UTTAR PRADESH

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General Manager  
U.P. State Sugar & Cane  
Development Corp. Ltd.  
Unit : PIPRAICH  
Distt. Gorakhpur

**POWER PURCHASE AGREEMENT  
BETWEEN**

**M/S U.P. RAJYA CHINI AVAM GANNA VIKAS NIGAM LIMITED**

**UNIT-PIPRAICH, DISTRICT-GORAKHPUR (U.P.)**

**AND**

**UP POWER CORPORATION LIMITED, LUCKNOW**

12 JUN 2018

THIS AGREEMENT is made this 23<sup>rd</sup> day of June-18 (hereinafter called the Effective Date), by and between M/s U.P. Rajya Chini Avam Ganna Vikas Nigam Limited Unit- Pipraich, District Gorakhpur (UP) registered under the Company's Act 1956 and having its registered office at U.P. State Sugar Corporation Ltd. Vipin Khand, Gomti Nagar, Lucknow hereinafter called the "Generating Company", which expression shall, unless repugnant to the context or meaning thereof, include its successors and assignees as party of the first part and Purvanchal Vidyut Vitran Nigam Ltd., Vidyut Nagar, PO DLW, Varanasi-2201010 a Company registered under the Company's Act, 1956, having its Registered Office at hereinafter called "DISCOM", which expression shall, unless repugnant to the context or meaning thereof, include its successors and assignees as party of the second part

WHEREAS, the Generating Company is engaged in the business of Integrated Complex of sugar Industry Cogeneration power plants units and other incidental businesses situated at Unit- Pipraich, District Gorakhpur Uttar Pradesh in the State of Uttar Pradesh, more particularly described in Annexure I attached hereto and made a part hereof and,

General Manager  
U.P. State Sugar & Cane  
Development Corp. Ltd.

Chief Engineer (PPA)



WHEREAS, DISCOM is a distribution licensee operating in the State of Uttar Pradesh, and has license to supply power in earmarked part of the State and further the DISCOM in its Board of Directors Meeting held on 24-8-05 and subsequently on 20-7-10 have authorized U.P. Power Corporation Ltd. to enter into this Agreement on their behalf and to do all other relevant and incidental things, as may be required, and

WHEREAS the Generating Company (U.P. State Sugar Corporation Ltd., a undertaking of GoUP) has undertaken to implement the Bagasse based power project by installing Plant and Equipment having installed capacity of 27 MW situated at Unit- Pipraich, District Gorakhpur (UP) (hereinafter referred to as the Plant) its production facility and complete erection, installation and commissioning of the said capacity and will make it operational in March 2019 and

WHEREAS, U.P. State Sugar Corporation Ltd., has requested vide their letter No. 372 dated 30-05-2018 that they intent to enter into bagasse based PPA with the UPPCL at the mutually agreed tariff. (Copy of which is collectively annexed hereto as Annexure-XI), and

WHEREAS, the Generating Company desires to sell surplus 20 MW power in season and 24 MW power in off season generated in the new Generating Plant's facility of 27 MW, and DISCOM agrees to purchase electricity generated from such capacity by the Generating Plant for sale, under the terms and conditions set forth herein, and

WHEREAS the Generating Company agrees to purchase 2 MW power for it's such plant from DISCOM and DISCOM agrees to supply 2 MW power to such plant at retail tariff as per Regulations specified by the Commission, and

WHEREAS the parties to this Agreement agree for prior consultation with the State Transmission Utility for the purpose of implementation of this agreement and seek its approval for permitting, inter alia, interconnection to the generating plant with the 132 KV grid substation Haata, Distt. Kushinagar owned by STU and

WHEREAS the parties to the agreement bind themselves for compliance of all relevant provisions specified by the Commission in different regulations regulating the functioning of State Transmission Utility, other Transmission Licensee and State Load Despatch Centre. Now, therefore, in consideration of premises and mutual agreements, covenants and conditions set forth herein, it is hereby agreed by and between the parties as follows:

## 1. DEFINITIONS

Other than those defined below, the words/expressions used in this agreement, unless repugnant to the context, shall have the meaning assigned to them in the Electricity Act, 2003, UP Electricity Reforms Act, 1999 and U.P. Electricity Grid Code as amended from time to time, "UPERC (Captive and Non-Conventional Energy Generating Plants) Regulations, 2009" shall mean in short "CRE Regulations, 2014-19"; as amended from time to time, and the rules framed there under. The words/expressions listed below shall have the meanings respectively assigned hereunder.

- 1.1 'Bill Meter' means ABT compatible Import and Export Meter on the basis of which energy bills shall be raised by the Generating Plant/DISCOM.

General Manager  
U.P. State Sugar & Co.


Chief Engineer (PPA)




- 1.2 'Check Meter' means ABT compatible Import and Export Meter for performing a check on the accuracy of the Bill Meter.
- 1.3 'Date of Commissioning' means the date on which supply of Energy is commercially commenced by the Generating Plant to DISCOM and includes COD.
- 1.4 'Export Meter' means Bill Meter installed at the grid substation 132 KV Haata, Distt. Kushinagar of STU for measurement of Active Energy, Maximum demand and Power factor for Energy exported to the Generating Plant from STU 's Grid Sub-Station 132 KV Haata, Distt. Kushinagar.
- 1.5 'Energy Account Month' means period from date of meter reading in previous month to date of meter reading in following month and such period should not exceed 35 days.
- 1.6 'Sub Station' means sub-station 132 KV Haata, Distt. Kushinagar owned, maintained and operated by UP Power Transmission Corporation Limited
- 1.7 'Import Meter' means Bill Meter installed at the grid substation of STU for Measurement of Active Energy, Maximum demand and Power factor of Energy Imported to DISCOM from the Generating Plant.
- 1.8 Not used.
- 1.9 'Bill' means a bill raised, that includes all charges to be paid by DISCOM with respect to sale of Power by the Generating Plant to DISCOM.
- 1.10 'STU' means State Transmission Utility.
- 1.11 'TOD' means "Time of day", for the purpose of Metering.
- 1.12 'UPERC' means the U.P. Electricity Regulatory Commission.
- 1.13 'Wheeling' means the operation whereby the distribution system of a distribution licensee is used by another person for the conveyance of electricity on payment of charges to be determined under section 62 of the Electricity Act 2003.
- 1.14 "UPERC (Captive and Non-Conventional Energy Generating Plants) Regulations, 2009" shall mean in short "CRE Regulations, 2014-19"; as amended from time to time.

## 2. **POWER PURCHASE, SALE**

- 2.1 DISCOM shall accept and purchase 20 MW power in season and 24 MW power in off season made available by the Generating Plant's Bagasse based generation in accordance with the mutually agreed terms and conditions of this agreement at the tariff described here as below:-

  
General Manager

  
Chief Engineer (PRA)



(a) Tariff for the new plant shall be provisionally Rs. 4.81/unit w.e.f. date of signing of agreement till the discovery of L-1(Lowest) tariff through competitive bidding process to be conducted by UPPCL for the purchase of bagasse based power.

Further tariff for export of power shall be levelled L-1 tariff or Rs. 4.81/unit, whichever is lower.

(b) The generating company shall follow all the terms and conditions given by UPPCL from time to time.

2.2 Except for Income Tax, all other taxes, duties and other levies imposed by the Central and/or State Government or other local authorities directly relating to generation shall be payable by DISCOM on production of necessary supporting documents by the Generating Plant, while those relating to sale of electricity, shall be borne and payable by DISCOM.

2.3 The rate applicable for supply of electricity by DISCOM to the Generating Plant shall be as per the tariff determined by the Commission under appropriate 'Rate Schedule of Tariff' for the consumer category determined on the basis of the total load requirement of the plant and billing done in the manner as specified by the Commission in the Regulations.

2.4 The provisions set out in Annexure-II shall govern the Sale and accounting for power purchased by DISCOM.

2.5 The Generating Company shall abide by the provisions of the Act, Rules, Codes, Regulations, Orders and Directions of the appropriate Authority / Commission issued from time to time regarding generation and evacuation of electricity.

2.6 The provisions of Banking and wheeling of electricity shall be as per the CRE Regulations, 14.

2.7 The Generating Company shall pay any applicable taxes, cess, duties levies imposed by the Government or Competent Authority from time to time on banking of power.

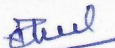
### 3 MAINTENANCE REQUIREMENT OF THE GENERATING PLANT

3.1 The Generating Plant's annual maintenance schedule shall normally be from May to September. The Generating Plant shall inform DISCOM and the STU regarding the Maintenance schedule in accordance with provisions of the UP Electricity Grid Code as revised by the Commission from time to time.

3.2 Environmental Clearance and compliance of environmental standards shall be the sole responsibility of the generating plant.

### 4. SUPPLY SCHEDULE

The Generating Plant shall furnish to DISCOM and the State Transmission Utility (STU) or State Load Despatch Centre (SLDC), as the case may be, a day ahead Supply Schedule, and other information, as required in the CRE Regulations and UP Electricity Grid Code as amended from time to time or provisions of any other regulation, code, order or direction in that regard or as desired otherwise. The Generating plant shall ensure the submission of DC on the regular basis through login UPSLDC website ([www.esss.upsldc.org](http://www.esss.upsldc.org)).


  
General Manager  
U.P. State Sugar & Cane  
Corpn. Ltd.





5. **BILLING PROCEDURE AND PAYMENTS**

- 5.1 DISCOM shall raise monthly bill for electricity purchased by the Generating Plant as per its normal billing cycle after taking into account energy withdrawn from the banked energy and maximum recorded demand in the manner as specified by the Commission in the CRE Regulations and such bill shall be payable within the time period stipulated in the General Conditions of Tariff.
- 5.2 The Generating Plant shall raise monthly bill based on the monthly joint meter reading in the Bill Meter at the grid substation 132 KV Haata, Distt. Kushinagar as certified by DISCOM and in such cases, energy accounting and billing shall be done by the Generating Plant in association with the concerned Distribution Licensee. The State Load Despatch Centre shall do energy accounting and billing and the same shall be communicated to the utilities interacting with the grid as per the scheme framed by SLDC in pursuance of the provisions of UPERC Regulations.
- 5.3 The Monthly Bill raised by the Generating Plant shall be delivered to DISCOM at its designated office on or before the fifth (5th) working day of the following month hereinafter called the Monthly Bill date.
- 5.4 U.P. State Sugar Corporation Ltd has confirmed vide their letter no. 385 dated 02-06-2018 that there would be no payment security mechanism through irrevocable and self-replenishing letter of Credit. Late payment Surcharge would not be payable if the payment is made within 6 month.
- 5.5 U.P. State Sugar Corporation Ltd has confirmed vide their letter no. 385 dated 02-06-2018 that there would be no payment security mechanism through irrevocable and self-replenishing letter of Credit. Late payment Surcharge would not be payable if the payment is made within 6 month
- 5.6 The bills raised by the Generating Plant shall be paid in full subject to the conditions that:-
- (i) There is no apparent arithmetical error in the bill(s).
  - (ii) The bill(s) is/are claimed as per tariff referred to in Para 2 of this agreement.
  - (iii) They are in accordance with the energy account referred to in Para 14 of this agreement.
- 5.7 In case of any dispute regarding the bill raised by the Generating Plant, DISCOM shall file a written objection with the Generating Plant within fifteen days of receipt of the bill giving full particulars of the disputed item(s), with full details/data and reasons of dispute and amount disputed against each item. The Generating Plant shall resolve the above dispute(s) with DISCOM within 30 days.

  
General Manager  
Sugar & Cane

  
Chief Engineer (PPA)



- 5.8 In case, the dispute is not resolved within 30 days as provided in para 5.7 above, and in the event it is decided to proceed with the Arbitration as provided in para 23 of this agreement, then DISCOM shall pay 100% of the disputed amount forthwith and refer the dispute for arbitration as provided in this agreement. The amount of excess / shortfall with respect to the said disputed amount on final award of arbitration shall be paid / adjusted; but in case of excess, the adjustment shall be made with interest at rate 1.25% per month from the date on which the amount in dispute was refundable by the generating company to DISCOM.

6. **PARALLEL OPERATIONS**

Grid substation 132 KV Haata, Distt. Kushinagar owned by STU shall allow the Generating Plant to interconnect its facility and operate in parallel with STU system, subject to the provisions of this Agreement, Electricity Act, 2003 and the UP Electricity Grid Code as amended from time to time .

7. **GENERATION FACILITIES OWNED AND OPERATED BY THE GENERATING PLANT**

- 7.1 The Generating Company shall own, install, operate, and maintain the generating plant equipments and associated dedicated transmission line (subject to provisions mentioned elsewhere in this Agreement) described in Annexure I. The Generating Plant shall follow such operating procedures on its side of the electric interconnection with STUs system, as are consistent with applicable laws, rules and regulations, the terms and conditions of this Agreement, provisions of the UP Electricity Grid Code, and other related guidelines, if any, issued by UPERC, SLDC, DISCOM, STU .
- 7.2 In the event, any other non-conventional / renewable fuel or fuels are used by the Generating Plant to supplement bagasse the fuel linkage shall be the responsibility of the Generating Plant. No pass through of cost on account of this shall be permitted.
- 7.3 All electrical equipments shall be installed in compliance with the requirements of the Director of Electrical Safety, Government of Uttar Pradesh and safety specifications of the Central Electricity Authority (CEA) under section 53 of the Electricity Act, 2003.
- 7.4 The Generating Plant further agrees to make no material changes or additions to its facility, which may have an adverse effect on STU system, or amend the single-line diagram, relay list and/or trip scheme given in Annexure I, without prior written consent. DISCOM agrees that such consent shall not be unreasonably withheld or given without the prior permission of STU.
- 7.5 Without prejudice to the foregoing, the Generating Plant shall install, operate, and maintain its facility in accordance with accepted prudent utility practices in the electricity industry. The Generating Plant's operation and Maintenance schedules and staffing shall be adequate to meet such standards at all times.

  
General Manager  
Sugarcane Sugar & Cane  
Ltd.

  
Chief Engineer (P.P.A.)  
U.P. Power Corporation Ltd.




- 7.6 DISCOM/STU shall follow such operating procedures on its side of the electric interconnection point with the Generating Plant, as required to receive Power from the Generating Plant's facility, without avoidable interruptions or adverse consequences on the Generating Plant, and consistent with applicable laws, rules and regulations, and the terms and conditions of this Agreement.


8. **INTERCONNECTION FACILITIES**

- 8.1 Power from the Generating Plant shall be transmitted at 132 KV through a 132 KV line from the Generating plant located at Haata, Distt. Kushinagar. The power so transmitted shall be interfaced with 132 KV grid sub-station located at Haata, Distt. Kushinagar owned by STU.
- 8.2 The cost of the dedicated transmission line from the Generating Plant to the designated grid sub-station Haata, Distt. Kushinagar of STU and the cost of interfacing at both ends (the Generating Plant and grid substation) including work at the STU Sub-Station, cost of bay, tie- line, terminal equipment and associated synchronizing equipment, shall be borne by the Generating Plant. (Not applicable in case of solar, small hydro and wind power generating plants.)
- 8.3. The construction of evacuation system for connecting plant with grid substation shall be the responsibility of generating company. The transmission line and Bay at substation shall be constructed by UP Power Transmission Corporation Limited under deposit works. The supervision charges and Bay construction charges will be deposited by the Generating Company to DISCOM/ UP Power Transmission Corporation as per the deposit works rules.

(Explanation: The technical and other specifications of the work shall be finalized with STU's approval and be in accordance with standards and specifications laid for construction of 132 KV or higher voltage line. The lines constructed for the evacuation of power from the Generating Plant, shall not be used for transmitting/supplying power for any other purpose, without a mutual agreement between the Generating Plant and DISCOM /STU and without prior approval of UPERC. Existing transmission/distribution lines of STU may be utilized for evacuation of power from the Generating Plant to the Grid sub-station, on the basis of a mutual agreement between the Generating Plant and STU with the approval of UPERC. Notwithstanding the above, the work of interfacing at STU Sub-Station will be done by STU.

- 8.4 The Generating Plant shall be responsible for the Maintenance of equipment at the generating end.
- 8.5 For maintenance of Transmission line and bay , either the generating company will undertake the maintenance work by their own or in case the generating company opts to maintain the same through UP Power Transmission Corporation , they may entrust the maintenance work to them on the terms mutually agreed with Transmission Corporation .

  
General Manager  
State Sugar & Cane  
Ltd.

  
Chief Engineer (P.P.A.)



- 8.6 Any work to be done by the Generating Plant shall be taken up only with a specific approval and on the basis of approved drawings and specifications and in compliance with the safety requirements as per the UP Electricity Grid Code. On the completion of work, final approval shall be obtained from DISCOM/ STU before charging the line. The Generating Plant would obtain all statutory clearances/approvals required for this purpose.
- 8.7 The Generating Plant shall consult DISCOM/STU on the scheme of protection of the interconnecting line/s and the facilities at both ends, and accordingly provide the equipment at both ends. The protection system, installed by the Generating Plant, shall be checked by DISCOM/STU.
- 8.8 Without limiting the foregoing, the Generating Plant and STU shall, operate and maintain the interconnection and parallel operation facility in accordance with accepted good engineering practices in the electricity industry and the UP Electricity Grid Code as amended from time to time and directions of Director Electrical Safety (GOUP) and safety requirements as specified by the Authority under section 53 of the Act.
- 8.9 The interconnection facilities, to be provided by the Generating Plant are set forth in Annexure IV attached hereto and made a part hereof.

9. **PROTECTIVE EQUIPMENT & INTERLOCKING**

- 9.1 The interconnection facilities shall include necessary protective equipment and interlocking devices, which shall be so coordinated that any malfunctioning or abnormality in the generators or in the bus of the Generating Plant shall not adversely reflect on or affect STU grid system. In event of any malfunctioning or abnormality, the system shall be designed to ensure that the Generating Plant's breaker trips first to protect the equipment. Prior to adopting it the Generating Plant shall obtain approval of STU for the protection logic of the generator system and the synchronisation scheme.
- 9.2 The Generating Plant shall install necessary equipment to eliminate feeding of reverse power from the Grid to the Generating Plant's system in absence of any agreement for purchase of power with DISCOM.

10. **TECHNICAL ASSISTANCE BY DISCOM & GENERATING PLANTS RESPONSIBILITY**

- 10.1 On request, DISCOM, in consultation with STU, shall provide reasonable technical assistance to the Generating Plant in preparing the design and specifications of the required facilities and for laying down the standard operating and maintenance procedures. The Generating Plant, however, shall be responsible for procurement, installation, testing, maintenance and operation of the electrical system installed in the Generating Plant's premises.



- 10.2 Notwithstanding the above, DISCOM shall not be responsible for any damage caused to the electrical system/generating set of the Generating Plant, on account of errors or defects in the design, procurement, installation, testing, maintenance and operation of the system.

11. **ARRANGEMENTS AT THE POINT OF SUPPLY**

The Generating Plant shall make all arrangements for paralleling the set/s with STU grid in consultation with and to the satisfaction of STU, subject to the approval of the Director of Electrical Safety, Government of Uttar Pradesh and safety specifications of the Central Electricity Authority (CEA) under Section 53 of the Electricity Act, 2003.

12. **SYNCHRONISATION**

- 12.1 The Generating Plant shall synchronise its power generating set in consultation with the Executive Engineer, Electricity Transmission Division, UPPTCL (in-charge of the substation of STU) and as per provisions of the UP Electricity Grid Code as amended from time to time. The Generating Plant shall give seven (7) days prior intimation of the synchronisation programme to the Nodal Officer:

- i) when commissioning the plant for the first-time,
- ii) when commissioning after completion of the annual Maintenance programme.

- 12.2 DISCOM/STU shall not be responsible for the damage, if any, caused to the plant and equipment of the Generating Plant due to failure of the synchronising or the protective system provided by the Generating Plant.

13. **LIASON WITH & ASSISTANCE FROM DISCOM**

The Generating Plant shall closely liaise with the Nodal Officer of DISCOM and the STU and shall inform the date of commencement of delivery of power to the designated officials of DISCOM and STU one month in advance and also arrange for testing and commissioning of the protection system at least 15 days in advance. If requested by the Generating Plant, DISCOM, in consultation with STU as the case may be, shall extend assistance for testing, subject to the condition that the Generating Plant shall pay the charges for such assistance to DISCOM, if so indicated by the concerned Testing Division of DISCOM. This charge shall be reasonable and be based on the man-hours devoted by DISCOM staff and their usual levels of remuneration, and DISCOM equipment used.

14. **METERING**

- 14.1 The Generating Plant shall supply two identical sets of ABT compliant meters, with the facility for downloading data to measure the quantity and time details of the Power exported from and imported by the Generating Plant, conforming to the specifications approved by STU, along with all necessary associated equipments. These meters shall be installed and maintained by DISCOM/STU. These meters shall be installed at the grid substation of STU at the interconnection point. One set of export/import meters shall be termed as Bill Meter and other set will serve as the Check Meter. The complete metering



- system consisting of meters, Current Transformers & Potential Transformers shall conform to the 0.2 accuracy class, individually and collectively, and shall comply with the technical standards, accuracy and calibration requirements of the Indian Electricity Rules and the specifications of the Bureau of Indian Standard and the guidelines of CEA for installation of meters. The Generating plant shall ensure installation of ABT meters in their premises.
- 14.2 The joint meter readings shall be recorded in the format given in Annexure V & VI.
- 14.3 The Meter/Metering system shall be properly sealed and made pilfer proof, to the satisfaction of both parties.
- 14.4 DISCOM (in consultation with STU if the generating plant is connected to the sub-station of STU) shall, test all the metering equipment for accuracy, in the presence of a representative of the Generating Plant, if the Generating Plant so elects, at least once every year while the agreement is in force. Either party may, however, elect to get the meters tested at any time they so desire, at their own cost, in the presence of the other party.
- 14.5 DISCOM/STU's designated representative and the representative of the Generating Plant shall jointly certify the meter test results. After every testing all metering equipment and the Metering system shall be securely sealed jointly by the representatives of DISCOM and the Generating Plant.
- 14.6 The reading and testing of meters and associated equipment shall be in accordance with accepted good engineering practices in the electricity industry.
- 14.7 Calibration, inspection and testing of meters and the associated equipment shall be the responsibility of DISCOM, who shall bear the related costs.
- 14.8 Meter readings shall be taken jointly by parties as indicated below:-
- (i) DISCOM side- Executive Engineer (Distribution) , as authorized by DISCOM and Executive Engineer(Transmission) as authorized by STU.
  - (ii) Generating Plant side - Authorised representative of the Generating Plant.
- 14.9 The reading of the Bill Meter shall form the basis for the energy account, provided that the magnitude (i.e. absolute value) of the difference between the Check and Bill Meter reading is within one percent of the Bill Meter reading.
- 14.10 If in any month the readings of the Bill Meter and Check Meter are found to be doubtful or beyond the permissible 1% deviation indicated above, both sets of meters shall be checked and calibrated in the presence of authorised representatives of both the parties. Corrections shall be made, if required, on the basis of the error detected during this process, in the Monthly Bill for the period between the previous meter readings and the date and time from which accurate readings become available through replacement or re-calibration. These corrections shall be full and final for the Bill of that month.



- 14.11 During the period of checking and calibration of both meters simultaneously another export and import meter duly calibrated would be installed by DISCOM(in consultation with STU if the plant is connected to the s/s of STU). For this purpose, one spare set of meters would be required to be available with the generating plant at all times.
- 14.12 If the Bill Meter is found to be defective, and the Check meter is found to be accurate then the reading from the latter shall be used for billing purpose and the Bill meters would be re-calibrated and re-installed or replaced by duly tested and calibrated meters, as necessary. Where error in the Check Meter is indicated beyond permissible limit but there is no error in the Bill Meter, monthly energy account would be prepared on the basis of the Bill Meter reading and the Check Meter shall be immediately re-calibrated and re-installed or replaced as necessary. If both meters are found to be defective, then the Bill will be revised on the basis of the in-accuracy discovered in the testing. The M.R.I. output from the meters shall be considered an authentic document for verification.
- 14.13 Metering at generating terminal of each unit of the generating plant shall be ensured as per the guidelines of the Central Electricity Authority.

15. **ACCEPTANCE AND APPROVAL OF DISCOM**

DISCOM's acceptance or approval for equipment, additions or changes to equipment, and their operational setting etc., would be required. Such acceptance/approval shall not be unreasonably withheld and shall be based on DISCOM's existing policies and practices after the clearance of STU is obtained.

16. **COMMISSIONING OF GENERATION FACILITIES**

The Generating Plant shall commission the generation facility and synchronise it with STU system grid in March 2019.

In case, the plant is commissioned beyond the said dates of commissioning, the tariff applicable for sale of electricity from the plant to DISCOM shall be the rate as agreed in clause 2.1. However, in the case of delay in Commissioning of the plant for reasons beyond the reasonable control of the generating company, the provisions of para 26 of the Agreement shall apply.


17. **CONTINUITY OF SERVICE**

- 17.1 The supply of electricity by the Generating Plant shall be governed by instructions from the state load despatch centre, as per the provisions of the UP Electricity Grid Code as amended from time to time. However, DISCOM/ STU may require the Generating Plant to temporarily curtail or interrupt deliveries of power only when necessary in the following circumstances: -
- 17.1 Repair and/or Replacement and/or Removal of STU equipment or any part of its system that is associated with the Generating Plant's facility; and/or



- 17.2 Endangerment of Safety: If STU determines that the continued operation of the facility may endanger the safety of STU personnel or integrity of STU electric system, or have an adverse effect on the provision of electricity to DISCOM/ STU , other consumers/customers; and/or
- 17.3 Force Majeure Conditions as defined in para 26.  
Note: Any necessary inspection, investigation or maintenance of STU equipment or any part of its system that is associated with the Generating Plant's facility shall be planned by STU to coincide with the scheduled outage of the Generating Plant's generation system;
- 17.4 Before disconnecting the Generating Plant from STU system, DISCOM/STU shall, except in the case of an emergent situation, give advance intimation to the Generating Plant through telephone/wireless or through other means of communication along with reasons for disconnection, and the likely period of the disconnection. However, subsequent to disconnection, DISCOM/STU shall immediately notify the Generating Plant by telephone and confirm in writing the reasons for, and the likely period of, disconnection. During the period so notified DISCOM shall not be obligated to accept or pay for any power from the Generating Plant.
- 17.5 In any such event as described above, DISCOM/STU shall take all reasonable steps to minimise the frequency and duration of such interruptions, curtailments, or reductions.
- 17.6 DISCOM/STU shall avoid scheduling any event described in 17.1 above, to the extent reasonably practical, during the Generating Plant's operations. Where the scheduling of such an event during the Generating Plant's operations cannot be avoided, DISCOM /STU shall provide the Generating Plant with fifteen days advance notice in writing to enable the Generating Plant to cease delivery of Power to DISCOM at the scheduled time.
- 17.7 In order to allow the Generating Plant's facility to remain on-line and to minimise interruptions to Generating Plant operations, the Generating Plant may provide automatic equipment that will isolate the Generating Plant's facility from STU's system during major system disturbances.
18. **DAILY/MONTHLY/ANNUAL REPORT**

The Generating Plant shall submit daily/monthly/annual and other reports on the format, and as per the procedure, specified in the UP Electricity Grid Code as amended from time to time and under the CRE Regulations 2014-19 or as desired by the STU and DISCOM. The Generating Plant shall submit six monthly progress report during the construction of the plant to the distribution licensee. A Completion report shall be filed by with the Commission within 60 days of commissioning of the plant.

  
**General Manager**  
U.P. State Sugar & Cane  
Development Corp. Ltd.  
Unit : PIPRAICH

  
Chief Engineer (P.P.A.)  
U.P. Power Corporation Limited  
Shakti Bhawan, Lucknow



19. **CLEARANCES, PERMITS AND LICENSES**

The Generating Plant shall obtain, at its own expense, all authorisations, permits, and licences required for the construction, installation and operation of the Generating Plant's facilities and any interconnection facilities, including but not limited to, rights-of-way or easements. DISCOM shall provide reasonable assistance, including permissions, approvals and clearances from STU, to the Generating Plant if so requested by the Generating Plant.

20. **DURATION**

20.1 Unless terminated by default, this agreement shall be valid till the expiry of 20 years from the date of commissioning of the plant.

20.2 The agreement may be renewed or extended for such period as may be mutually agreed between the Generating Company and DISCOM on expiry of initial term of 20 years.

21. **EVENTS OF DEFAULT AND TERMINATION**

21.1 The occurrence of any of the following events at any time during the term of this agreement shall constitute a default by the Generating Plant:

- (a) Failure on the part of the Generating Plant to use reasonable diligence in operating, maintaining, or repairing the Generating Plant's facility, such that the safety of persons and property, DISCOM's equipment, or DISCOM's service to others is adversely affected; or
- (b) Failure or refusal by the Generating Plant to perform its material obligations under this agreement; or
- (c) Abandonment of its interconnection facilities by the Generating Plant or the discontinuance by the Generating Plant of services covered under this agreement, unless such discontinuance is caused by force majeure, or an event of default by DISCOM, or
- (d) Failure by the Generating Plant to abide by all statutory provisions, rules, regulations, directions and conditions for installation, operation, and supply of power and maintenance of co-generation units etc., enforced from time to time by the Union/State Government, UPERC or other empowered authorities, including compliance with the UP Electricity Grid Code or as amended from time to time, or
- (e) Failure by the Generating Plant to pay DISCOM any amount payable and due under this agreement within ninety (90) working days of the demand being raised.

21.2 The occurrence of any of the following at any time during the term of this agreement shall constitute a default by DISCOM: -

- (a) Failure to pay to the Generating Plant any amount payable and due under this agreement within ninety (90) working days of the receipt of the bill/monthly purchase bill; or



- (b) Failure to use reasonable diligence in operating, maintaining, or repairing DISCOM's interconnecting facilities, such that the safety of persons or property in general, or the Generating Plants equipment or personnel are adversely affected; or
- (c) Failure or refusal by DISCOM to perform its material obligations under this agreement; or
- (d) Abandonment of its interconnection facilities by DISCOM or the discontinuance by DISCOM of services covered under this agreement, unless such discontinuance is caused by force majeure or an event of default by the Generating Plant.
- (e) Except for failure to make any payment due, within ninety (90) working days of receipt of the monthly purchase bill, if an event of default by including non-payment of bills either party extends beyond a period of ninety (90) working days after receipt of written notice of such event of default from the non-defaulting party, then the non-defaulting party may, at its option, terminate this agreement by delivering written notice of such termination to the party in default.
- (f) Failure by either DISCOM or the Generating Plant to exercise any of its rights under this agreement shall not constitute a waiver of such rights. Neither party shall be deemed to have waived the performance of any obligation by the other party under this agreement, unless such a waiver has specifically been made in writing and approved by the UPERC.

21.3 DISCOM reserves the right to terminate this agreement upon one months notice to the Generating Plant, if the Generating Plant's facility fails to commence production of electric power within three months from the planned commercial operation date shown in Annexure 1.

## 22. COMMUNICATION

In order to have effective co-ordination between DISCOM and the Generating Plant, a designated official shall be kept on duty round the clock by the Generating Plant and DISCOM in their respective premises, with information to each other about the name, location, telephone number etc., of the official. Without prejudice to discharge of their rightful duties by others, this duty official shall take necessary action on receiving information about developments from the other party. The Generating Plant shall provide reliable and effective communication through wireless/hotline etc., between the Generating Plant & the interconnecting sub-station of STU and between the Generating Plant and the SLDC. The Generating Plant shall make provision for an RTU for remote monitoring of voltage, current and other related electrical parameters, as may be required by the STU.

## 23. DISPUTES AND ARBITRATION

In the event of any dispute or difference between the parties concerning performance of this agreement and/or the rights and liabilities of the parties in respect of which a procedure for the resolution is not otherwise provided for in this agreement the following provisions shall apply:



- a) Executive Engineer (Distribution) as designated on behalf of DISCOM, and the authorised representative of the Generating Plant would be empowered to indicate explicitly the nature and material particulars of the dispute/dissatisfaction and the relief sought, and serve notice thereof on the other, with copy to the DISCOM's Superintending Engineer (Distribution) as designated by DISCOM.
- b) On receiving such information, the Superintending Engineer of the Circle of DISCOM shall be required to personally meet the authorised representative of the Generating Plant and the Executive Engineer of the concerned Division, at his own office, separately and/or together, within 15 (Fifteen) days of the date of receipt of such notice, and attempt in good faith to resolve the dispute to the mutual satisfaction of the two parties, within the stipulations dictated by the letter and spirit of the agreement.
- c) If the dispute is not resolved by way of a settlement being arrived at and duly signed by each of the above officers within (30) thirty days of the date of receipt of the notice described in clause (a) above, the matter may be referred by either or both the above designated officers of the two parties to the DISCOM's Chief Engineer who has direct supervisory jurisdiction over the Superintending Engineer referred to above, with information to the Chief Executive of the Generating Plant. Within 15 days of receipt of such notice, the Chief Engineer and the Chief Executive of the Generating Plant would be required to meet at the formers office and endeavour to settle the dispute within a further period of (30) thirty days. i.e. within a total period of 45 (forty Five) days from the initial date of receipt of the notice by the DISCOM.
- d) If the said dispute / dissatisfaction remains unresolved, either party can file a petition before UPERC, whose decision will be final and binding on both the parties. UPERC shall be empowered to determine the exact nature and modalities of the procedure to be adopted in resolving the matter.

#### 24. **INDEMNIFICATION**

- 24.1 The Generating Plant shall indemnify, defend, and render harm free, DISCOM, its members, directors, officers, employees and agents, and their respective heirs, successors, legal representatives and assignees, from and against any and all liabilities, damages, costs, expenses (including attorneys fees), losses, claims, demands, action, causes of action, suits, and proceedings of every kind, including those for damage to property of any person or entity (including the Generating Plant) and/or for injury to or death of any person (including the Generating Plant's employees and agents), which directly or indirectly result from or arise out of or in connection with negligence or wilful misconduct of the Generating Plant.
- 24.2 DISCOM shall indemnify and render the Generating Plant, its directors, officers, employees and agents, and their respective heirs, successors, legal representatives and assignees harmless from and against any and all liabilities, damages, costs, expenses (including outside attorneys fees), losses, claims, demands, actions, causes of action, suits and proceedings of every kind, including those for damage to the property of any person or entity (including DISCOM) and/or injury to or death of any person (including DISCOM's employees and agents), which directly or indirectly result from or arise out of or in connection with negligence or wilful misconduct by DISCOM.



25. **ASSIGNMENT**

This Agreement may not be assigned by either DISCOM or the Generating Plant without the consent in writing of the other party, except that either party may assign its rights under this Agreement, or transfer such rights by operation of law, to any corporation with which or into which such party shall merge or consolidate or to which such party shall transfer all or substantially all of its assets; provided that such assignee or transferee shall expressly assume, in writing, delivered to the other party to this Agreement, all the obligations of the assigning or transferring party under this Agreement.

26. **FORCE MAJEURE**

26.1 If any party hereto is wholly or partially prevented from performing any of its obligations under this agreement by reason of or due to lightning, earthquake, riots, fire, floods, invasion, insurrection, rebellion, mutiny, tidal wave, civil unrest, epidemics, explosion, the order of any court, judge or civil authority, change in State or National law, war, any act of God or a public enemy, or any other similar or dissimilar cause reasonably beyond its exclusive control and not attributable to its neglect, then in any such event, such party shall be excused from whatever performance is prevented by such event, to the extent so prevented, and such party shall not be liable for any damage, sanction or loss for not performing such obligations.

26.2 The party invoking this clause shall satisfy the other party of the occurrence of such an event and give written notice explaining the circumstances, within seven days to the other party and take all possible steps to revert to normal conditions at the earliest.

26.3 Any payments that become/have become due under this agreement shall not be withheld, on grounds of force majeure conditions developing.

27. **AUTHORITY TO EXECUTE**


(a) Each respective party represents and warrants as follows: -  
Each party has all necessary rights, powers and authority to execute, deliver and perform this agreement.

(b) The execution, delivery and performance of this agreement by each respective party shall not result in a violation of any law or result in a breach of any government authority, or conflict with, or result in a breach of, or cause a default under, any agreement or instrument to which either respective party is a party or by which it is bound.

(c) No consent of any person or entity not a party to this agreement, including any governmental authority, is required for such execution, delivery and performance by each respective party. All necessary consents have been either obtained or shall be obtained in the future as and when they become due.

28. **LIABILITY AND DEDICATION**

 General Manager  
Sugar & Cane  
Ltd.

  
Chief Engineer (P.P.A.)



- 28.1 Nothing in this agreement shall create any duty, standard of care, or liability to be discharged by any person not a party to it.
- 28.2 No undertaking by one party to the other under any provision of this Agreement shall constitute the dedication of that party's system or any portion thereof to the other party or to the public; or affect the status of DISCOM as a public utility or constitute the Generating Plant or the Generating Plant's facility as a public utility.

29. **NODAL AGENCY OF DISCOM**

The Executive Engineer (Distribution) as designated by DISCOM shall act as a nodal agency for implementing this Agreement.

30. **AMENDMENTS**

Any waiver, alteration, amendment or modification of this Agreement or any part hereof shall not be valid unless it is in writing, signed by both the parties and approved by UPERC.

31. **BINDING EFFECT**

This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors, legal representatives, and permitted assignees.


32. **NOTICES**


Any written notice provided hereunder shall be delivered personally or sent by registered post, acknowledgement due, or by courier for delivery on written receipt, with pre-paid postage or courier charges, to the other party, at the following address:

THE Executive Engineer (Distribution), UPPCL:  
Pipraich, Gorakhpur

General Manager  
U.P. Rajya Chini Avam Ganna Vikas Nigam Limited  
Unit- Pipraich, District Gorakhpur (UP)

Notice delivered personally shall be deemed to have been given when it is delivered at the office of the Generating Plants or to the office of the Executive Engineer (Distribution) of DISCOM, as the case may be, at address set forth above and actually delivered to such person or left with and received by a responsible person in that office. Notice sent by post or courier shall be deemed to have been given on the date of actual delivery as evidenced by the date appearing on the acknowledgement of delivery. Any party to this agreement may change its address for serving a written notice, by giving written notice of such change to the other party.

  
General Manager  
State Sugar & Cane  
Corp. Ltd.

  
Chief Engineer (P.P.A.)  
U.P. Power Corporation Limited



33. **EFFECT OF SECTION AND ANNEXURE HEADINGS**

The headings or titles of the various sections and annexures hereof are for convenient reference and shall not affect the construction or interpretation of any provision of this Agreement.

34. **NON-WAIVER**

No delay or forbearance by either party in the exercise of any remedy or right will constitute a waiver thereof, and the exercise or partial exercise of a remedy or right shall not preclude further exercise of the same or any other remedy or rights.

35. **RELATIONSHIP OF THE PARTIES**

Nothing in this Agreement shall be deemed to constitute either party hereto as partner, agent or representative of the other party or create any fiduciary relationship between the parties.

36. **ENTIRE AGREEMENT**

This agreement constitutes the entire understanding and agreement between the parties.

37. **GOVERNING LAW**

This agreement shall be governed by and construed in accordance with the laws applicable in the State of Uttar Pradesh

38. **NO PARTY DEEMED DRAFTER**

The parties agree that no party shall be deemed to be the drafter of this Agreement and that in the event this Agreement is ever construed by arbitrators, or by a court of law, no inference shall be drawn against either party on account of this Agreement or any provision hereof being drafted by them. DISCOM and the Generating Plant acknowledge that both parties have contributed substantially and materially to the preparation of this Agreement.

39. **APPROVALS**

Wherever approvals from either DISCOM or the Generating Plant are required in this Agreement, it is understood that such approvals shall not be unreasonably withheld.

40. **ANNEXURES**

ANNEXURES I to XII WOULD FORM PART OF THIS AGREEMENT.



General Manager  
Sugarcane Sugar & Cane



Chief Engineer (P.R.A.)  
U.P. Power Corporation Limited  
Shakti Bhawan Extension



41. **STANDARD FOR DECISION MAKING**

- 41.1 All operational decisions or approvals that are to be made at the discretion of either DISCOM or the Generating Plant, pursuant to the terms of this agreement, including specifications and design criteria etc., shall be made or performed according to good engineering practices prevailing in the electricity industry.
- 41.2 Professional decisions or activities undertaken by either party for the purpose of constructing, installing, removing, maintaining or operating any facility, which may affect the operations of the other party's facility or facilities, shall be made or performed according to good engineering practices prevailing in the electricity industry.

The above PPA is subject to approval by UPERC.

IN WITNESS:

WHEREOF, UPPCL on behalf of DISCOM and the Generating Plant have executed this agreement as of the 23rd Day of June in the year 2018

**FOR THE GENERATING PLANT:**

NAME: Mr. Ambika Prasad

DESIGNATION: General Manager

ADDRESS: U.P. Rajya Chini Avam Ganna  
Vikas Nigam Limited, Unit- Pipraich,  
District Gorakhpur (UP)

WITNESSED BY:

NAME: Rajesh Gupta

DESIGNATION: Chief Engineer

ADDRESS: U.P.S.S.C. Ltd.,  
Gomti Nagar, Lko.

**FOR DISCOM:**

NAME: Varalika Dubey

DESIGNATION: Chief Engineer (PPA)

ADDRESS: UPPCL, Shakti Bhawan  
Chief Engineer (P.P.A.)  
U.P. Power Corporation Limited  
Shakti Bhawan Extension  
14, Ashok Marg, Lucknow

WITNESSED BY:

NAME:

DESIGNATION:

ADDRESS:

S.K. Singh  
SE (PPA)




**ANNEXURE- I****THE GENERATING COMPANY'S GENERATION FACILITIES****1. THE GENERATING PLANT:**

a. NAME:	U.P. Rajya Chini Avam Ganna Vikas Nigam Limited,
b. LOCATION:	Unit- Pipraich, District Gorakhpur (U.P.).
c. CHIEF EXECUTIVE:	Ambika Prasad, I/c General Manager
d. CONTACT PERSON:	Ambika Prasad, I/c General Manager
e. MAILING ADDRESS:	U.P. State Sugar Corporation Ltd., Vipin Khand, Gomti Nagar, Lucknow-226010
f. TELEPHONE NUMBER:	0522-2300015, 2307828 (Regd. Office) Mobile No. 9450135235
g. FAX NUMBER:	0522-2300095 (Regd. Office)
h. EMERGENCY TELEPHONE NUMBER:	Mobile No. 9450135235

**2. GENERATING EQUIPMENT:**

a. BOILERS:	Bagasse fired Boiler of Rating -145 T/hr. 110 ata, 540 °C
b. TURBO-GENERATOR SETS:	One high pressure 27 MW Multi stage impulse reaction double extraction cum condensing type turbo generator will be installed with brushless rectified type exciter.
c. CO-GENERATION VOLTAGE: Generation Voltage Grid Voltage	11 KV $\pm$ 10% 132 KV
d. SPEED:	50 HZ
e. TYPE OF GOVERNOR:	Electronic Type programmable micro-processor based Governor capable of operating in parallel with grid.
f. TRANSFORMER:	35 MVA
g. FIRST SYNCHRONISATION (INITIAL OPERATION DATE)	March 2019
h. COMMERCIAL OPERATION DATE	March 2019

  
General Manager  
Sugar & Cane

  
Chief Engineer (PPA)



3. **Stipulations relating to the facilities:**

- 3.1 For the purpose of this agreement the Generating Plant's facility includes all real estate, fixtures, and property owned, controlled, operated or managed by the Generating Plant in connection with or to facilitate generation, transmission, delivery, or furnishing of electricity or required to interconnect and deliver the electricity to STU system.

(Explanation: A single-line diagram relay list and trip scheme of the Generating Plant's facility, reviewed and accepted by STU at the time the Agreement is signed, shall be attached to this agreement and made part hereof. The single-line diagram, relay list, and trip scheme shall expressly identify the point of electrical interconnection of the Generating Plant's facility to DISCOM/STU system. Material changes or additions to the Generating Plant's generating and interconnection facilities reflected in the single-line diagram, relay list, and trip scheme shall be approved by STU.)

- 3.2 The Generating Plant shall furnish, install, operate and maintain facilities such as breakers, relays, switches, synchronising equipment, monitoring equipment, and control and protective devices as suitable for parallel operation with STU system and acceptable to STU. Such facilities shall be accessible to authorised STU personnel for inspection, with prior intimation to the Generating Plant
- 3.3 The Generating Plant shall furnish, in accordance with STU requirements, all conductors, service switches, fuses, meter sockets, meter and instrument transformer housings and mountings, switches, meter buses, meter panels, and similar devices required for the service connection and meter installation at STU premises. This equipment shall be installed and Commissioned by STU.
- 3.4 STU shall review and approve the design drawings and Bill of Material for the Generating Plant's electrical equipment, required to interconnect with STU system. The type of electrical equipment, the type of protective relaying equipment and the settings affecting the reliability and safety of operation of STU and the Generating Plant's interconnected system shall be approved by STU. STU, at its option, may request witnessing operation of the control, synchronising, and protection schemes.
- 3.5 The Generating Plant shall provide a manual isolating device, which provides a visible break to separate the Generating Plant's facilities from STU system. Such a disconnecting device shall be lockable in the OPEN position and be readily accessible to STU personnel at all times.

4. **Operating Procedures:**


- 4.1 The Generating Plant shall operate its plant when interconnected with the grid as per the procedure given in the UP Electricity Grid Code as amended from time to time. The overall responsibility of operation and implementation of the UP Electricity Grid Code rests with the State Load Despatch Centre and the State Transmission Utility under the provisions of the Act, 2003.
- 4.2 The Generating Plant's normal annual Maintenance shall be carried out from May to September.



- 4.3 The Generating Plant shall notify STU interconnecting substation and SLDC prior to synchronising a generator on to or taking a generator off of the system. Such notification should be as far in advance as reasonably possible under the circumstances causing the action.

5. Single Line Diagram (Annexure-X)



  
General Manager  
U.P. State Sugar & Development Corp.  
Unit : PIPRAIC

  
Chief Engineer (P.P.A.)  
U.P. Power Corporation Limited



**Sale and Accounting for Power**

1. In case the Generating Plant is not a consumer of STU, protective gear at STU Substation would be designed to ensure that reverse flow of power from STU's system to the Generating Plant is totally blocked out and the circuit breaker at the Substation gets opened automatically when required. However, notwithstanding this provision, if any export to the Generating Plant takes place, it would be paid for by the Generating Plant in accordance with the terms of this agreement.
2. On the first day of the Energy Account Month, the Generating Plant shall provide information in writing or Generation Schedule to SLDC and M/s STU, when ABT is implemented in the state about the quantity of Power to be wheeled by way of purchase or sale or banking, as the case may be, during the month.
3. The purchase of electricity by UPPCL shall be subject to the provisions of the Distribution Licence, CNCE Regulations & Directions of UPERC and other statutory authorities, and requirements of the State Load Despatch Centre.
4. Power accounting and Billing would be done on the basis of the section titled "Metering" in the main agreement (Clause No. 14.0)



**SAMPLE MONTHLY BILL  
INVOICE**

**ANNEXURE III**

Date :	
For the Month of:	
Monthly Purchase Bill No.	
Name of Buyer: DISCOM	Name of the Generating Plant:
Address:	Address:
Town:	Town:
District:	District:
PIN Code:	PIN Code:
Tel. No.:	Tel. No.:
Fax:	Fax:

DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
1. ENERGY SUPPLIED (KWh)			
2. ENERGY FOR WHEELING (KWh)			
3. ENERGY FOR PAYMENT (KWh) (1-2)			

**Banked Energy**

1. Energy banked during the month	
2. Energy balance as on preceding month	
3. Energy scheduled for withdrawal during the month	
4. Banking charges	
5. Energy withdrawn during the month (3-4)	
6. Energy banked at the end of the month (1+2-3)	

**OTHER CHARGES**

Less/Add:	
SUBTOTAL:	
TOTAL DUE :	

Verified by:

For Generating Plant Ltd.  
Authorised Signatory

For DISCOM  
Authorised Signatory

*General Manager*  
State Sugar & Cane  
Corp. Ltd.



**ANNEXURE IV****INTERCONNECTION FACILITIES PROVIDED BY THE GENERATING PLANT**

<b><u>LINE BAY/S</u></b>	<b>ITEMS PROVIDED</b>	<b>NOT PROVIDED</b>
a) STRUCTURES		
b) BUS BARS, CLAMPS AND CONNECTORS		
c) GROUNDING GRID		
d) ISOLATORS		
e) CURRENT TRANSFORMERS		
f) CIRCUIT BREAKERS		
g) CONTROL CUBICLES		
h) CONTROL CABLING		
i) AC / DC POWER SUPPLY		
j) COMMUNICATION EQUIPMENT		
k) SYNCHRONISATION & PROTECTION FACILITIES		
l) AUTOMATIC VOLTAGE REGULATOR		
m) AUTO SYNCHRONISATION UNIT		
n) CHECK SYNCHRONISATION RELAY		
<b><u>PROTECTION FOR INTERNAL FAULTS:</u></b>		
a) DIFFERENTIAL GENERATOR		
b) DIFFERENTIAL UNIT TRANSFORMER		
c) RESTRICTED EARTH FAULT		
d) STATOR EARTH FAULT		
e) ROTOR EARTH FAULT		
f) INTER-TURN FAULT		
g) OVER VOLTAGE		
h) LOSS OF EXCITATION		
i) UNDER VOLTAGE		
j) REVERSE POWER		
k) LOW FORWARD POWER RELAY		



<b><u>PROTECTION AGAINST GRID FAULTS:</u></b>		
a) MINIMUM IMPEDANCE (DISTANCE PROTECTION RELAY)		
b) UNBALANCE (NEGATIVE PHASE SEQUENCE)		
c) O/C & E/F (UNIT TRANSFORMER)-LT & HT		
<b><u>ITEMS</u></b>	<b>ITEMS PROVIDED</b>	<b>NOT PROVIDED</b>
a) OVERLOAD ALARM		
b) OVERFLUXING RELAY		
<b><u>PROTECTION AGAINST GRID DISTURBANCES:</u></b>		
a) UNDER FREQUENCY		
b) OVER FREQUENCY		
c) POLE SLIP		



**ANNEXURE V****BILL METER READINGS OF GENERATING PLANT**

READING SHOULD BE TAKEN ON 1<sup>ST</sup> WORKING DAY OF EVERY MONTH, AT 12.00 NOON.

NAME OF THE GENERATING PLANT:	
PLACE:	
TALUKA:	
DISTRICT:	
STATE:	
C.T. RATIO AVAILABLE/CONNECTED:	
P.T. RATIO AVAILABLE/CONNECTED:	
SCALE FACTOR (IF ANY):	
MULTIPLYING FACTOR (MF):	
BILLING METER MAKE / NUMBER:	

**METER READINGS:**

<b><u>KWH</u></b>	<b>EXPORT METER READING</b>	<b>IMPORT METER READING</b>
PREVIOUS READING		
CURRENT READING		
DIFFERENCE		
DIFFERENCE X MULTIPLYING FACTOR		

Authorised Signatory

EXECUTIVE  
ENGINEER TRANSMISSION

Authorised Signatory

EXECUTIVE ENGINEER  
DISCOMAuthorised  
SignatoryAUTH.  
REPRESENTATIVE  
GENERATING PLANT

DATE:

**NOTES:**

1. DISCOM / STU shall maintain a daily logbook to record hourly readings of the Bill Meter/ HT Meter.
2. The Generating Plant shall maintain a daily log to record the hourly generation and supply in KWh, along with the schedule given by DISCOM's Despatcher.
3. If the meter is changed, the reason/s, date, time of meter change and new meter make and number must be recorded by both parties.

  
**General Manager**  
U.P. State Sugar & Cane

  
Chief Engineer (PPA)



**ANNEXURE VI**

**CHECK METER READINGS OF GENERATING PLANT**

READING SHOULD BE TAKEN ON 1<sup>ST</sup> WORKING DAY OF EVERY MONTH, AT 12.00 NOON.

NAME OF THE GENERATING PLANT:	
PLACE:	
TALUKA:	
DISTRICT:	
STATE:	
C.T. RATIO AVAILABLE/CONNECTED:	
P.T. RATIO AVAILABLE/CONNECTED:	
SCALE FACTOR (IF ANY):	
MULTIPLYING FACTOR (MF):	
CHECK METER MAKE / NUMBER:	

**METER READINGS:**

<u>KWH</u>	EXPORT METER READING	IMPORT METER READING
PREVIOUS READING		
CURRENT READING		
DIFFERENCE		
DIFFERENCE X MULTIPLYING FACTOR		

Authorised Signatory

EXECUTIVE  
ENGINEER TRANSMISSION

Authorised Signatory

EXECUTIVE ENGINEER  
DISCOM


Authorised  
Signatory

AUTH.  
REPRESENTATIVE  
GENERATING PLANT

DATE:

**NOTES:**

1. DISCOM /STU shall maintain a daily logbook to record hourly readings of the Check Meter/ HT Meter.
2. The Generating Plant shall maintain a daily log to record the hourly generation and supply in KWh, along with the schedule given by DISCOM's Despatcher.
3. If the meter is changed, the reason/s, date, time of meter change and new meter make and number must be recorded by both parties.

  
**General Manager**  
U.P. State Sugar & ...





# DAILY GENERATION REPORT

ANNEXURE VII

Active Power (KWh)			
Time	Scheduled	Meter Reading	Difference x M.F.
00			
01			
02			
03			
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
Total (for each column)			

## Summary of Active Power, KWh

Time	Scheduled	Meter Reading	Difference x M.F.
<b>Daily</b>			
0600 – 2200			
2200 - 0600			
<b>Cumulative for Month</b>			
0600 – 2200			
2200 - 0600			

To:

1. Concerned SLDC, UPPCL/DISCOM
2. Executive Engineer, Transmission, UPPCL/DISCOM
3. Authorised Representative of the Generating Plant

*[Signature]*  
General Manager  
Sugar & Cane  
Ltd.

*[Signature]*  
Chief Engineer (P.P.A.)



## MONTHLY TRIPPING REPORT

Annexure VIII


Name and Address of the Generating Plant :  
Installed generation Capacity (MW) :  
Date of First Commissioning (Synchronising) :  
Date of Commercial Operation :  
Date of Synchronising :  
Progressive Days (generation): In Days :


### TRIPPING ON FAULT:

S N	Tripping		Tripping Reasons				Synchronization		Total Time Lost		Remark
	Date	Time	Relay Operated	Mech	Elec	Others	Date	Time	Hr	Min	
		Hr	Min					Hr	Min		

To:

1. Concerned SLDC, DISCOM
2. Authorised Person/ Executive Engineer, STU
3. Authorized Representative of the Generating Plant

  
**General Manager**  
U.P. State Sugar & Cane  
Development Corp. Ltd.  
Unit : PIPRAICH  
Distt. Gorakhpur

  
Chief Engineer (P.P.A.)  
U.P. Power Corporation Limited  
Shakti Bhawan Extension  
14, Ashok Marg, Lucknow



# **PLANNED & FORCED OUTAGE**

## **ANNEXURE- IX**

S.N	Outage			Outage Reasons				Synchronisation		Time lost		Remark
	Date	Time		No Fuel	Mech	Elec	Other	Date	Time	Hr	Min	
		Hr	Min						Hr	Min		

**Progressive Days**

:

Time Lost (In Hours)

:

- During Month & Year
- Since First Commissioning

:

To:

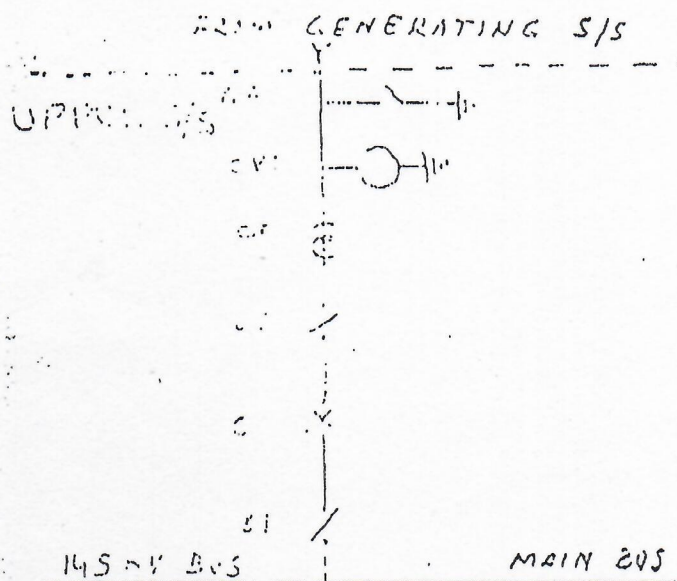
1. Concerned SLDC, DISCOM
2. Authorised Person/ Executive Engineer, STU/other Transmission Licensee/ ABCL (as the case may be)
3. Authorized Representative of the Generating Plant

General Manager  
U.P. State Sugar & Cane  
Development Corp. Ltd.  
Unit : PIPRAICH  
Distt. Gorakhpur

Chief Engineer (P.P.A.)  
U.P. Power Corporation Limited  
Shakti Bhawan Extension  
14, Ashok Marg, Lucknow



Answer - X



1. TENDOM ISOLATOR TO BE USED AS PER SITE CONDITION
2. CVT USED SHALL BE OF 0.2 ACCURACY CLASS.
3. CT OF PROPER RATING AND ACCURACY CLASS 0.2 SHALL BE USED FOR PROTECTION AND METERING AT DISC 2/S END. HOWEVER ENERGY ACCOUNTING — IS OUT OF SCOPE AND SHALL BE DECIDED BY FIELD UNITS. AS PER SITE CONDITIONS/PPA.

Chief Engineer (P.P.A.)  
U.P. Power Corporation Limited  
Shakti Bhawan Extension  
14, Ashok Marg, Lucknow

W P P C L  
ELECTY. S/SIDE SINK  
CIRCLE. LICKMAN

STANDARD SINGLE LINE  
DIAGRAM OF SUGER  
MILLS AT UPCL S/S



General Manager  
Sugar & Cane



# UP State Sugar Corporation Ltd

(A state Government Undertaking)

Regd. Office: Vipin Khand, Gomti Nagar, Lucknow-226

Phone: 0522-2300015, 2308721, 2300018, Fax No: 0522-2300095

Mail: upsugcor2007@rediffmail.com

पिपराईच

इए/एसएससी/पिपराईच-मुण्डेरवा/372

दिनांक 30.5.2018

मुख्य अभियन्ता (पीपीए)  
पावर परचेज एग्रीमेंट डायरेक्ट्रेट,  
14 वॉ तल, शक्ति भवन एक्सटेंशन,  
अशोक मार्ग,  
लखनऊ।

**विषय :** चीनी निगम के अधीन पिपराईच (गोरखपुर) चीनी मिल में प्रस्तावित 27 मेगावाट को-जनरेशन पावर प्लान्ट से विद्युत एक्सपोर्ट करने हेतु पी.पी.ए. निष्पादित करने के संबंध में।

महोदय,

अवगत कराना है कि निगम के अधीन पिपराईच (गोरखपुर) चीनी मिलों में 27 मेगावाट के कोजनरेशन प्लाण्ट की स्थापना किये जाने की स्वीकृति शासन द्वारा प्रदान की गई है जिसके अनुपालन में मशीनरी आपूर्तिकर्ता के साथ निगम द्वारा अनुबंध निष्पादित किया जा चुका है तथा परियोजना का कार्य प्रारम्भ हो चुका है।

प्रस्तावित परियोजना के अन्तर्गत 27 मेगावाट के कोजनरेशन प्लाण्ट के स्थापना के उपरान्त सत्र मार्च 2019 से 27 मेगावाट बिजली का उत्पादन शुरू हो जाने की संभावना है जिसके अन्तर्गत सीजन की अवधि में 20 मेगावाट तथा आफ सीजन में 24 मेगावाट बिजली के विक्रय हेतु पी0पी0ए0 निष्पादित किया जाना प्रस्तावित है।

गोरखपुर क्षेत्र के उ0प्र0 पावर ट्रान्समिशन लि0 के अधिकारियों द्वारा अवगत कराया गया है कि पिपराईच चीनी मिल से लगभग 18 कि0मी0 दूर स्थित 220 के0वी0 विद्युत सब-स्टेशन हाटा, जनपद कुशीनगर पर पिपराईच चीनी मिल में स्थापित होने वाले 18 मेगावाट पावर प्लाण्ट की ट्रान्समिशन लाइन को जोड़ा जाना प्रस्तावित है।

उक्त के सम्बन्ध में यह भी अवगत कराना है कि दिनांक 24.05.2018 को प्रमुख सचिव, ऊर्जा, उ0 प्र0 शासन की अध्यक्षता में एक बैठक आहुत की गई थी जिसमें चीनी निगम की मुण्डेरवा तथा पिपराईच चीनी मिलों में प्रस्तावित को-जेन प्लाण्ट से उत्पादित विद्युत को क्रय किये जाने हेतु पीपीए निष्पादित करने तथा ट्रान्समिशन लाइन के निर्माण कराये जाने के संबंध में निर्णय लिया गया था। शासन से प्राप्त पत्र संख्या 1237/46-2-18-41/2017 टी.सी. दिनांक 29.05.2018 (छाया प्रति संलग्नक-अ) प्रस्तुत है। उक्त पत्र के माध्यम से शासन द्वारा निर्देशित किया गया है कि उ0प्र0 राज्य चीनी निगम की पिपराईच एवं मुण्डेरवा में स्थापित किये जाने वाले 27 मेगावाट को-जेन प्लाण्ट से उत्पादित होने वाली विद्युत को रू0 4.81 प्रति यूनिट अथवा भविष्य में की जाने वाली बिड में प्राप्त होने वाली दर में, जो भी न्यूनतम हो, उन दरों पर विद्युत क्रय करने हेतु पीपीए करने की कार्यवाही उ0प्र0 पावर कारपोरेशन द्वारा शीघ्रता से संपादित की जाये।

80  
31.05.18

General Manager  
U.P. State Sugar & Corp.

SE-II

P1. ensure response  
by 31/05/18

En 10.05.2018 / 6.05.2018  
11/5



प्रमुख सचिव, ऊर्जा, उ०प्र० शासन द्वारा बैठक में दिये गये निर्देशों के अनुपालन में पावर कारपोरेशन के साथ पावर परचेज एग्रीमेंट करने हेतु निर्धारित प्रारूप में आवेदन पत्र एवं वांछित निम्न अभिलेख संलग्न प्रेषित किये जा रहे हैं:-

- 1- पावर कारपोरेशन के साथ पिपराईच इकाई द्वारा किये जाने वाले पावर परचेज एग्रीमेंट करने हेतु निर्धारित प्रारूप में पिपराईच इकाई के प्रधान प्रबन्धक द्वारा हस्ताक्षरित आवेदन पत्र। **संलग्न-1**
- 2- कोजनरेशन प्लांट की स्थापना की स्वीकृति के सम्बन्ध में उ०प्र० शासन के शासनादेश संख्या 1685/46-2-17-40/17 दिनांक 11.1.2018 की छायाप्रति। **संलग्न-2**
- 3- पिपराईच क्षेत्र के उ०प्र० पावर ट्रान्समिशन लि० के लगभग 18 कि०मी० दूर स्थित 220 के०वी० विद्युत सब-स्टेशन हाटा, जनपद कुशीनगर पर 132 के.वी. ट्रान्समिशन लाइन को जोड़े जाने से सम्बन्धित क्षेत्र के उ०प्र० पावर ट्रान्समिशन लि० से प्राप्त फिजिबिलिटी रिपोर्ट। **संलग्न-3**
- 4- प्रस्तावित परियोजना का ले-आउट प्लान (Tentative)। **संलग्न-4**
- 5- प्रस्तावित जनरेटिंग सेट के तकनीकी स्पेसिफिकेशन। **संलग्न-5**
- 6- Environmental clearance हेतु प्रेषित किये गये आवेदन पत्र की छायाप्रति। **संलग्न-5**
- 7- पिपराईच इकाई में वर्तमान में पावर कारपोरेशन से प्राप्त हो रही विद्युत आपूर्ति की बंदियों का गत 6 माह का विवरण :- पिपराईच इकाई में वर्तमान में विद्युत कनेक्शन नहीं है।
- 8- स्थापित किये जाने वाले पावर जनरेटिंग सेट का HMBD (Heat & mass balance diagram) **संलग्न-6**

आपसे अनुरोध है कि पिपराईच इकाई में प्रस्तावित को-जनरेशन परियोजना हेतु पावर कारपोरेशन के साथ किये जाने वाले पावर परचेज एग्रीमेंट हेतु शीघ्र ही अग्रिम कार्यवाही करने हेतु सम्बन्धित को निर्देशित करने का कष्ट करेंगे।

संलग्नक:- उपरोक्तानुसार।

भवदीय,

(सुरेश कुमार सिंह) 30/5/18  
प्रबन्ध निदेशक

प्रतिलिपि:-

- 1- डायरेक्टर (आपरेशन), उ०प्र० पावर ट्रान्समिशन लि०, शक्ति भवन, लखनऊ, को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।
- 2- प्रधान प्रबन्धक, पिपराईच को सूचनार्थ एवं अग्रिम कार्यवाही हेतु प्रेषित।

**General Manager**  
U.P. State Sugar & C. 18  
Development Corp.  
Unit : PIPRAIC  
Distt. Gorakhpur

(सुरेश कुमार सिंह)  
प्रबन्ध निदेशक  
Chief Engineer (P.P.A.)  
U.P. Power Corporation Limited  
Shakti Bhawan Extension  
14, Ashok Marg, Lucknow