EN SIMULATED
SOLUTIONS LLP

ENERGY & GREEN AUDIT REPORT

On

NAAC ACCREDITATION (2020-2021)

Of

Dr. B.C. Roy College of Pharmacy & Allied Health Sciences

Dr. Meghnad Saha Sarani, Bidhannagar
Durgapur-713206, West Bengal, India

Submitted by

En-Simulated Solutions LLP

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ENERGY & GREEN AUDIT COMPLETION CERTIFICATE

This is to certify that following utility has carried out Energy & Green Audit as per guidelines laid down in The Energy Conservation Act, 2001 in the month of DECEMBER 2021

Name of the Installation	Dr. B.C. Roy College of Pharmacy & Allied Health Sciences Dr. Meghnad Saha Sarani, Bidhannagar Durgapur-713206, West Bengal, India
Details of Facilities Audited	Land area = 1.5 acres = 6070.28 SqM ➢ M. Pharm. Building (Educational building 2): • Ground Floor - 223.44 SqM • 1st Floor - 220.47 SqM • 2nd Floor - 220.475 SqM • 3rd floor - 220.475 SqM • Total = 884.86 SqM ➢ B. Pharm. Building (Educational Building 1) • Each Floor - 969.54 SqM • Total = 3878.16 SqM (4 Floors in total)
Date of Energy and Green Audit	17.12.2021
Name of Certified Energy Auditor	Mr. Saibal Saha (EA 12290)
Validity of the Certificate	DECEMBER, 2022

17.12.20

Signature of Auditor
(Mr. Saibal Saha)
Executive Director

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Acknowledgement

En-Simulated Solutions LLP extends gratitude to **Dr. B.C. Roy College of Pharmacy & Allied Health Sciences** for extending us the opportunity to conduct the Energy & Green Audit.

We are thankful to the professors & supporting staffs of the college for their transparency &consistent support in sharing relevant information and for providing data about policies and projects along with their other valuable information. This report would have not been possible without their support.

The study team would like to acknowledge the following distinguished personnel's of Dr. B.C. Roy College of Pharmacy & Allied Health Sciences in person for the diligent involvement and cooperation.

Prof. Dr. Subrata Chakraborty, **Director**, Dr. B.C. Roy College of Pharmacy & Allied Health Sciences (BCRCPAHS)
Prof. Dr. Subhabrata Ray, **Principal**, Dr. B.C. Roy College of Pharmacy & Allied Health Sciences (BCRCPAHS)
Mr. Sagar Sengupta, **Associate Professor,** Registrar Coordinator, GPAT CELL (BCRCP)
Convenor, BCRCP-BCRP Campus Coordination Committee

About the Institution

Dr. B. C. Roy College of Pharmacy and AHS, Durgapur is a primary provider of qualified, trained industry-ready Pharmaceutical Technologists. Imparting application based pharmaceutical knowledge, BCRCP offers an open and friendly atmosphere where students learn, share and shine with expertise in medicines to ensure a healthier tomorrow. State-of-the-art infrastructure and a handful of dedicated and experienced faculty provide a comprehensive teaching-learning process at BCRCP.

Like other high-end institutions of Engineering and Management run by the Group, BCRCPAHS, named after the legendry physician Dr. Bidhan Chandra Roy, Visionary and Architect of modern West Bengal, is also being designed as a prime institution under the overall management of Dr. B. C. Roy Engineering College Society.

We are committed to impart quality “Education and Training” in Pharmacy course details that satisfy the requirements of our students in the fields of “Engineering, Pharmacy and Management” and our aim is to be an institute of excellence in global terms in the field of quality technical education through continual improvement.

As a primary provider of qualified, trained, industry-ready Pharmacy Graduates, it would benchmark best practices from top-of-the-line learning centres regardless of geographic boundaries and will then leverage the success to cater to other specialities for professional education and training services.

Durgapur is one of the first planned 'kinetic-industrial-cities' in the country set up in the post-independence era, a true-jewel of the Eastern Region. Its leading lights, the integrated Durgapur Steel Plant and Alloy Steel Plant of the Steel Authority of India, and other important industries and research establishments, have given the place a national status. The city, less than 3-hours by train from Kolkata, scores 'high' by way of urban comforts, civic and social amenities, low pollution levels. Dramatic improvements over the past decade have given it the infrastructure of a sophisticated business centre while retaining the quiet charm of a country-side town.

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences is located at the distinctive location - in close proximity to vast knowledge-application areas and resources. Durgapur incidentally has the highest opportunity for Industry-Institute interface and partnership in West Bengal

Maxim:

Committed to excellence in Education

BCRCPAHS VISION

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences aims to transform the institution into a global centre of learning through the application of creativity, innovativeness and discipline.

BCRCPAHS MISSION

- To Create Ideal Ambience for Learning and All-Round Growth
- To Help Students Inherit Professional Ethics and Leadership Qualities, and to be Creative, Agile and Confederate
- To Establish Professionalism, zeal for Higher Learning and Training & Placement as Three Core Values
- To Develop a Symbiotic Relationship between the Institution, Faculty, Society and the Community for Mutual Betterment with a Global Perspective

QUALITY POLICY

BCRCPAHS is committed to impart quality "Education and Training" that satisfy the requirements of our students in the fields of "Engineering, Pharmacy and Management" and our aim is to be an institute of excellence in global terms in the field of quality technical education through continual improvement.

PROGRAM EDUCATIONAL OBJECTIVES of BCRCPAHS

- To produce Diploma, Under Graduates and Postgraduates who would have developed strong background knowledge in Pharmaceutical Sciences and ability to use these ideas in an environmentally sustainable fashion in their chosen fields of profession.
- To produce Diploma, Under Graduates and Postgraduates who would demonstrate technical competence in planning and problem analysis with the help of modern tools in the fields of Pharmaceutical Sciences.
- To produce Diploma, Under Graduates and Postgraduates who would attain professional competence with self-identity and ethics through life-long learning such as advanced degrees, professional registration, and other professional activities.
- To produce Diploma, Under Graduates and Postgraduates who would function effectively through unambiguous communication in various pharmaceutical fields.
- To produce Diploma, Under Graduates and Postgraduates who would be able to take individual responsibility and to work as a part of a team towards the fulfilment of both individual and organizational goals.

Provisions offered by the institution

The institute campus is spread across one and half acres land with ample space designed for running undergraduate, post graduate and diploma courses. Along with the academic building, the institute has a sprawling green campus which is environment friendly, having rainwater harvesting, medicinal garden and play-ground for students. Area Details as follows:

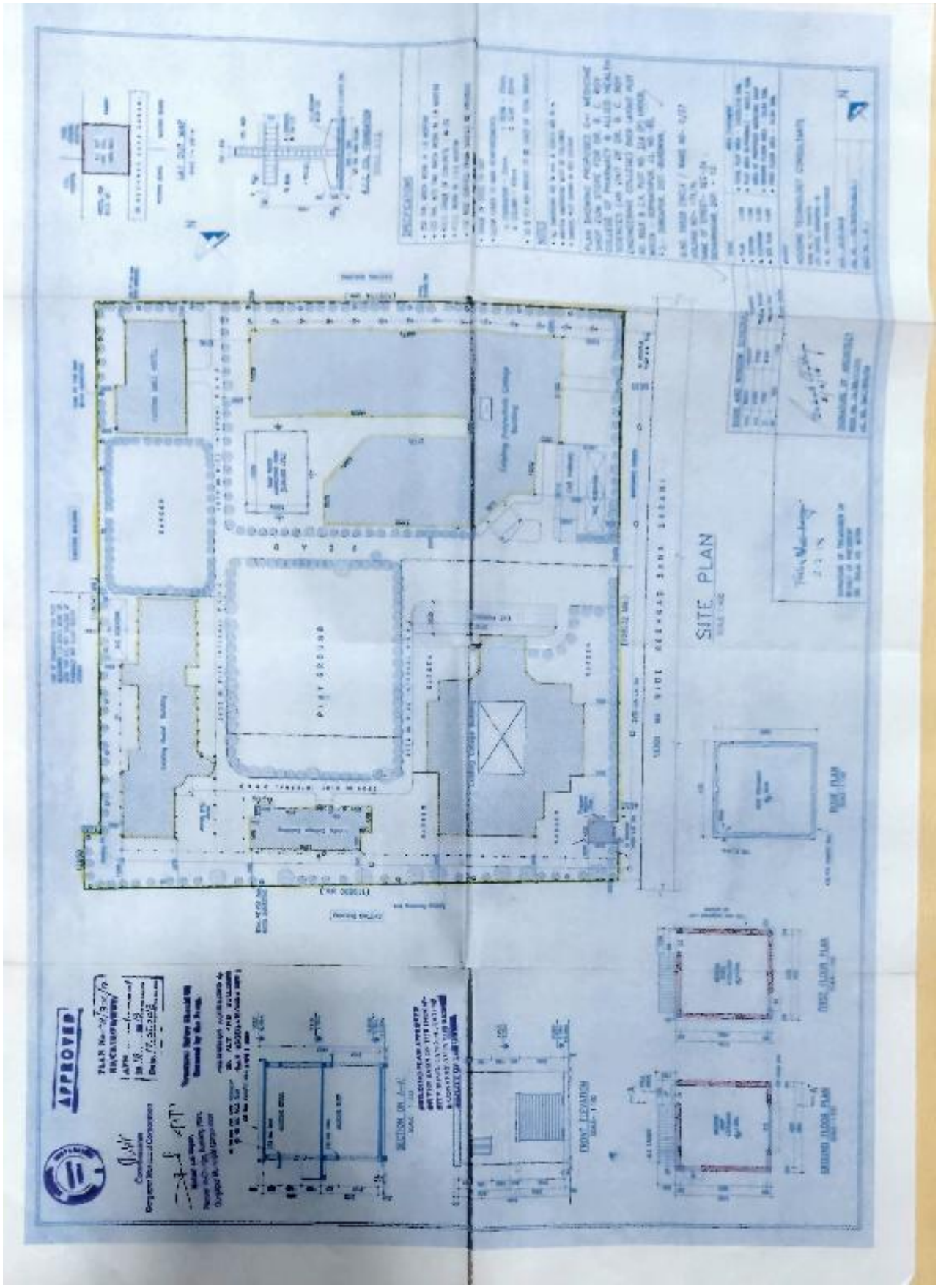
Land area = 1.5 acres = 6070.28 SqM

- M. Pharm. Building (Educational building 2):
  - Ground Floor - 223.44 SqM
  - 1st Floor - 220.47 SqM
  - 2nd Floor - 220.475 SqM
  - 3rd floor - 220.475 SqM
  - Total = 884.86 SqM

- B. Pharm. Building (Educational Building 1)
  - Each Floor - 969.54 SqM
  - Total = 3878.16 SqM (4 Floors in total)

- **Salient Features-**

  - Pollution –free, eye soothing, lush green campus
  - Highly disciplined and completely ragging –free ambience
  - Efficient and experienced faculty members
  - Well developed infrastructure
  - Industry oriented teaching
  - Well synchronized and streamlined schedule for lectures and examinations
  - Active mentorship for holistic learning
  - Special monitoring and motivational counseling for slow learners
  - Special soft skill classes for professional and personal development
  - Industrial visits and trainings on emerging technologies
  - Adjacent ATM counter
  - Internal medical unit with highly efficient medical practitioners along with a tie-up with The Mission Hospital, Durgapur
  - Top placements
  - In Campus Boy's and Girl's hostel



SANCTIONED SITE PLAN

B. Pharm deals with the following subjects –

- Biochemistry
- Human Anatomy and Physiology
- Pharmaceutical Biotechnology
- Pharmaceutical Maths and Biostatistics

B. Pharm is an undergraduate degree that is offered for duration of 4 years. The intake capacity of our B. Pharm stream is 100 candidates**.**

B. Pharm students have the opportunity to work in the fields of

- Pharmacist,
- Drug Information Specialist,
- Patient Counselling and more.
- Alternatively, students can also opt for higher studies such as M. Pharm.

With M. Pharm Pharmacology course you can secure job opportunities in –

- Health centres
- Food and drug administration
- Educational institutes
- Pharmaceutical firms
- Chemist shops
- Research agencies
- Drug control administration
- Hospitals

With M. Pharm Pharmaceutics course students can secure job opportunities as a –

- Medical Transcriptionist
- Lab technician
- Research associate
- Health Care unit manager
- Drug inspector
- Analytical chemist

Besides, with M. Pharm Pharmaceutics course they also can secure other jobs in the fields of drug control administration, chemist shops, hospitals and its administration, colleges/ universities, hospitals and more.

D. Pharm courses are affiliated under WBSCT & VE & SD.

Diploma in Pharmacy course deals with the study of –

- Accurate and safe processing of prescriptions
- Effective verbal and written communication
- Inventory control
- Pharmacy software practice
- Accurate and confidential record keeping
- Compounding techniques
- Third-party billing
- Adherence to relevant legislation

With the D. Pharmacy course, candidates can secure employment in areas like –

- Private drug stores
- Clinics
- Community Health centres
- Government hospitals
- Private hospitals

Post completing the course candidates can secure job roles like pharmacist, medical representatives, chemist, quality analyst, technical supervisors, medical transcriptionist, production executive and more.

Campus Facilities and Amenities:

- **Hostel Accommodation**

In-campus hostel accommodation separately for boys and girls with proper security arrangement are provided by the college to accommodate almost all its students. Each hostel provides a decent ambience and a feel-good climate. They are equipped with all amenities for living; dining and recreation that make each inmate feel at home.

- **Canteen and Common Room**

A canteen within the campus provides good quality snacks and meals to satisfy its clients. The common room is built with an idea to host co-curricular activities and cover a diverse range of recreational, sporting, cultural and leisurely pursuits.

- **Gymnasia**

A healthy body houses a healthy mind. To sustain multi-purpose fitness gyms have been set up in both the boys and girls hostel. The sophisticated fitness equipment enables students to work out and maintain a good physique resulting in a healthy mind. Qualified male and female trainers are appointed to guide students in building up a healthy body and healthy mind.

- **Sports and games**

To endorse excellence in sports and provide organized recreation and activity, outdoor and indoor games and sports are encouraged. Our students enjoy the zeal of playing volley ball, cricket, football, badminton in the green playground as well as table tennis and carom board as indoor recreations. Karate Training facility is available in the Campus.

- **Annual Events**

The college organizes annual sports meet every year to encourage its sportsmen and women. The Annual Tech Fest is conducted to encourage its students with technical talents, musical talents and provide some relaxation amidst the busy campus life. The college organizes several events to disseminate the role of Pharmacy graduates in the healthcare and society during the National Pharmacy Week (3rd Week of November every year).

Infrastructure Support:

The college provides state-of-the-art infrastructure support fulfilling all AICTE norms to all its students who are our greatest resource.

- **Classrooms**

We provide well designed, well ventilated and well lit classrooms for enabling unhindered teaching and learning process with ‘convenience’ and ‘care’ as the key elements. These Class Rooms are Smart Class Rooms with Online Teaching and Lecture delivery facilities aided by Smart Boards and Projector Systems.

- **Laboratories**

BCRCP has twenty (20) well equipped spacious Departmental Laboratories for all the subjects of pharmaceutical sciences (Pharmaceutical Analysis, Pharmacognosy, Pharmaceutical Chemistry, Medicinal Chemistry, Pharmaceutics, Physiology, Pharmaceutical Engineering Drawing, Microbiology and Biotechnology, Bio-Pharmaceutics and Pharmacology) as per the educational regulations laid down by PCI, New Delhi as well as AICTE, New Delhi and MAKAUT, Kolkata. Experiments are designed on the basis of theory concept so that the students can understand easily. Amongst these, BCRCP has two dedicated PG laboratories and two PG research laboratories for specialization in different M. Pharm courses with sophisticated instruments like Dissolution Apparatus, Lyophilizer with deep freezer, Tablet Punching Machine (Ten Station). Probe Sonicator etc. and provide an ambience to create industry-friendly learning environment and also carry out M. Pharm projects smoothly and efficiently.

- **Language and Simulation laboratory**

A well equipped Language Laboratory helps students weak in English to hone up their Language Communication skills under the watchful eye of a full time faculty. The Lab is an air-conditioned networked computer aided facility with dedicated software for developing language skills. A Simulation laboratory has been developed with dedicated software for the students to carry out software based pharmacology experiments.

- **Animal House**

BCRCP has an excellent and well maintained CPCSEA approved animal house with animals like rat, mice & rabbit . Observation room with air conditioned facilities, documentation room etc are also present. Institutional Animal Ethics Committee has been formed as per CPCSEA guidelines. The animal house is an added resource for the field of Pharmacology.

- **Medicinal Garden**

The institute has developed a good number of medicinal and aromatic plants in its well organized Medicinal Garden. These medicinal plants enthuse the students to identify them for demonstration as well as extraction of different kinds of drugs and also to generate an aptitude for research in Pharmacognosy and Phytochemistry. Each of our plant in the database has its own unique barcode (QR Code). These codes give students all the information they need to know about the tree -from its scientific name to its medicinal value.

- **Museum**

A pharma museum with display of crude drug samples, photographs of medicinal plants, charts, proprietary medicines, containers, closures etc is established which is informative and educative

INTRODUCTION

ENERGYAUDIT:

Energy Audit is an effective tool in defining and pursuing comprehensive energy management programs. It has positive approach aiming at continuous improvement in energy utilization in contrast to financial audit which stresses to maintain regularity. Energy audit provides answer to the question – what to do, where to start, at what cost and for what benefits.

Energy audit helps in energy cost optimization, pollution control, safety aspects and suggests the methods to improve the operating and maintenance practices of the system. It has been established that energy saving of the order of 15 to 30% is possible by optimizing use of energy by better housekeeping, low cost retrofitting measures and use of energy efficient equipment at the time of replacements. Indian industry consumes more energy as compared to its counter parts in the developed countries.

Need/Purpose:

The energy audit provides the vital information base for overall energy conservation programme covering essentially energy utilization analysis and evaluation of energy conservation measures.

It aims at**:**

- Assessing present pattern of energy consumption in different cost centers of operations.
- Relating energy inputs and production output.
- Identifying potential areas of thermal and electrical energy economy.
- Highlighting wastage in major areas.
- Fixing of energy saving potential targets for individual cost centers.
- Implementation of measures of energy conservation and realization of savings.

GREEN AUDIT:

The green audits are tools that organizations use to identify their environmental impacts and assess their compliance with applicable laws and regulations, as well as with the expectations of their various stakeholders. It also serves as a means to identify opportunities to enhance work quality, improves employee health, safety and morale, reduce liabilities and achieve other form of business values.

This concept has got its origin in recent past and suddenly got acceleration due to heavy industrial & commercial traffic which ends with unaccountable emission resulting pollution. Due to growth in population, needs has increased.

It is the duty of organizations to carry out the Green Audits of their ongoing processes for various reasons such as; to make sure whether they are performing in accordance with relevant rules and regulations, to improve the procedures and ability of materials, to analyze the potential duties and to determine a way which can lower the cost and add to the revenue. Through Green Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth of carrying out Green Audit.
Green Audit is assigned to the Criterion 7 of NAAC (National Assessment and Accreditation Council) which is a self-governing organization of India that declares the institutions as Grade A, Grade B or Grade C according to the scores assigned at the time of accreditation.

Need/Purpose:

The intention of organizing Green Audit is to upgrade the environment condition in and around the institutes, colleges, companies and other organizations. It is carried out with the aid of performing tasks like waste management, water conservation, sufficient green cover and proper use of day-lighting in indoor environment. Thus it's a tool to turn the infrastructure into a better environmental friendly institute by securing the environment and cut down the threats posed to human health:

- To make sure that rules and regulations are well taken care of.
- To avoid the interruptions in environment that are more difficult to handle and their correction requires high cost.
- To suggest the best protocols for adding to sustainable development.
- To suggest improvement in the system to promote safe and clean environment.

Audit Methodology

Step 1: Initial Meeting

The Energy & Environment auditor has been invited for a meeting to discuss the audit scope and arrange an inspection of the site.

Step 2: Site Inspection

The site inspection has been conducted last 23rd of this month at the time of initial meeting. Ideally the site inspection has been conducted with the establishment officials who can answer questions about the site.

Step 3: Desktop Analysis

The Energy & Environment auditor has assessed last 24 months of the energy bills in order to investigate the energy use and check tariffs and also checked the environmental facilities offered by the institution.

Step 4: The Report

The Energy & Environment auditor has provided a written report. The scope, level of detail and accuracy of calculations have presented in the report.

In general the report will consist of the following:

- Analysis of the site's energy usage & costs and implementation of mandatory environmental features.
- A tariff analysis to make sure there are no overcharges.
- Provide information on how the site compares to other similar buildings or business.
- Identify how and where energy & environment are being used at the site.
- Provide a list of energy & environment saving opportunities.

Step 5: Implementation

The Energy & Environment audit has provided a list of options to save energy & upgrade the environmental conditions respectively. Most of the recommendations involve some capital expenditure however the report should help to determine which are the most cost effective and practical.
The next step is to obtain quotes from suppliers, implement recommendations.

Step 6: Support

The Energy & Environment auditor should be available for consultation with the establishment to provide necessary support and guidance.

PRESENTATION OF DATA & INFORMATION

A. *Electricity Bill Analysis for the period of May'20- Apr'21*

Consumer No. 010216
Tariff Code: E (EIT)
Supply Voltage (KV):11.00
Contract Demand (KVA):50.00
Type: TOD

ELECTRICITY UTILITY ANALYSIS FOR THE PERIOD OF MAY'20 - APR'21																				
Month	Energy Consumption (kW)			Total E.C. (kWh)	P.F.	L.F. %	Unit/Rate (Rs.)			Energy Charges (Rs.)			Total E.C. (Rs.)	Demand Chargeable (KVA)	Demand Charges (Rs.)	LF Reb(-)/Sur(+) Charge (Rs.)	PF Reb(-)/Sur(+) Charge (Rs.)	Electricity Duty Charges (Rs.)	MVCA Charges (Rs.)	Rental Charges (Rs.)	Total Bill Amount (Rs.)
	Normal	Peak	Off-Peak				Normal	Peak	Off-Peak	Normal	Peak	Off-Peak									
May'20	1612	1477	1943	5032	0.8719	18.252	4.1	4.51	3.81	6609.2	6661.3	7402.83	20673.3	43	13760	186.07	66.09	6427.72	2415.36	1200	44728.54
June'20	1805	1460	1791	5056	0.9072	18.212	4.05	4.66	3.77	7310.25	6803.6	6752.07	20865.92	43	13760	188.43	0	6440.79	2426.88	1200	44882.02
July'20	1897	1443	1750	5090	0.9218	17.464	4.05	4.66	3.77	7682.85	6724.4	6597.5	21004.73	43	13760	219.66	-97.35	6417.46	2443.2	1200	44947.7
Aug'20	1948	1391	1597	4936	0.9303	16.781	4.05	4.66	3.77	7889.4	6482.1	6020.69	20392.15	43	13760	241.78	-244.49	6278.67	2369.28	1200	43997.39
Sept'20	2425	1429	1579	5433	0.9043	19.634	4.05	4.66	3.77	9821.25	6659.1	5952.83	22433.22	43	13760	148.49	0	6698.49	2607.84	1200	46848.04
Oct'20	2226	1641	1799	5666	0.8957	20.006	4.05	4.46	3.72	9015.3	7318.9	6692.28	23026.44	43	13760	141.43	0	6882.85	2719.68	1200	47730.4
Nov'20	1991	1725	1775	5491	0.8721	20.575	4	4.4	3.72	7964	7590	6603	22157	43	13760	159.28	118.09	6727.31	2635.68	1200	46757.36
Dec'20	1943	1770	1862	5575	0.8795	20.047	4	4.4	3.72	7772	7788	6926.64	22486.64	43	13760	137.73	155.44	6794.14	2676	1200	47209.95
Jan'21	2481	1829	1946	6256	0.8834	22.397	4	4.4	3.72	9924	8047.6	7239.12	25210.72	43	13760	72.7	211.9	7321.23	3002.88	1200	50779.43
Feb'21	2507	1691	1787	5985	0.882	23.761	4.1	4.51	3.81	10278.7	7626.4	6808.47	24713.58	43	13760	62.97	201.31	7109.22	2872.8	1200	49919.88
March'21	3252	1803	1910	6965	0.9213	23.909	4.1	4.51	3.81	13333.2	8131.5	7277.1	28741.83	43	13760	72.83	-380.94	7889.27	3343.2	1200	54626.19
April'21	3451	1673	1802	6926	0.949	23.85	4.1	4.51	3.81	14149.1	7545.2	6865.62	28559.95	43	13760	72.6	-720.62	7795.73	3324.48	1200	53992.14

Connected Load Details

CONNECTED LOAD/ BCRCPAHS/DGR						
Type	**Total Qty.**	**Loads (kW)**	**Daily Op. hr(s)**	**Daily kWh**	**Monthly Op. hr(s)**	**Monthly (kWh)**
INTERNAL CONSUMPTION:						
Tube light	327	0.04	7.5	98.1	180	2354.4
CFL	61	0.012	7.5	5.49	180	131.76
LED	65	0.009	7.5	4.3875	180	105.3
Ceiling Fan	258	0.08	7.5	154.8	180	3715.2
Window A.C. 1 ton	5	1.5	7.5	56.25	180	1350
Window A.C. 1.5 ton	12	2	7.5	180	180	4320
Window A.C. 2 ton	4	2.5	7.5	75	180	1800
Exhaust	13	0.15	7.5	14.625	180	351
Refrigerator	5	0.01	24	1.2	576	28.8
Water Pump	2	1.5	3	9	72	216
OTIS Elevator	1	10	7.5	75	180	1800
COMMON AREA LIGHTING:						
LED PANEL LIGHT	2	0.2	12	4.8	288	115.2
LED STREET LIGHT	2	0.2		4.8		115.2
LED PANEL LIGHT	20	0.018		4.32		103.68
LED PANEL LIGHT	2	0.1		2.4		57.6
LED SURFACE LIGHT	9	0.022		2.376		57.024
MONTHLY POWER CONSUMPTION(kWh)						**16621.16**

B. GREEN PRACTICES:

Green Practices can have tremendous benefits, both tangible and intangible. The most tangible benefits are the reduction in water and energy consumption right from day one of occupancy. The energy savings could range from 20 - 30 % and water savings around 30-50%. Intangible benefits of green campus include health & well-being of the occupants, enhancing air quality & promoting biodiversity, safety benefits and conservation of scarce national resources.

- Water Conservation:

Most of the Asian countries are water stressed and in countries like India, the water table has reduced drastically over the last decade. Green Practices system encourages use of water in a self-sustainable manner through reducing, recycling and reusing strategies. By adopting this rating programme, campus can save potable water to an extent of 30 – 50%.

- Handling of Waste:

Wastes are nowadays segregated in three types: Solid Waste, Liquid Waste & E- Waste. Handling of waste in campuses is extremely difficult as most of the waste generated is not segregated at source and has a high probability of going to land-fills. This continues to be a challenge to the municipalities which needs to be addressed. This intends to address this by encouraging buildings to segregate the waste generated in the campus.

- Energy Efficiency:

The Buildings sector is a large consumer of electrical energy. Through Energy Efficient measures, campuses can reduce energy consumption through energy efficient –exterior lighting, air conditioning systems, etc. Also, alternative resources or energy are encouraged. The energy savings that can be realized by adopting this rating programme can be to the tune of 20 – 30%.

- Sustainable Transportation:

Fossil fuel is a slowly depleting resource, world over. The use of fossil fuel for transportation has been a major source of pollution. The system encourages the use of alternate fuels or no fuel for transportation.

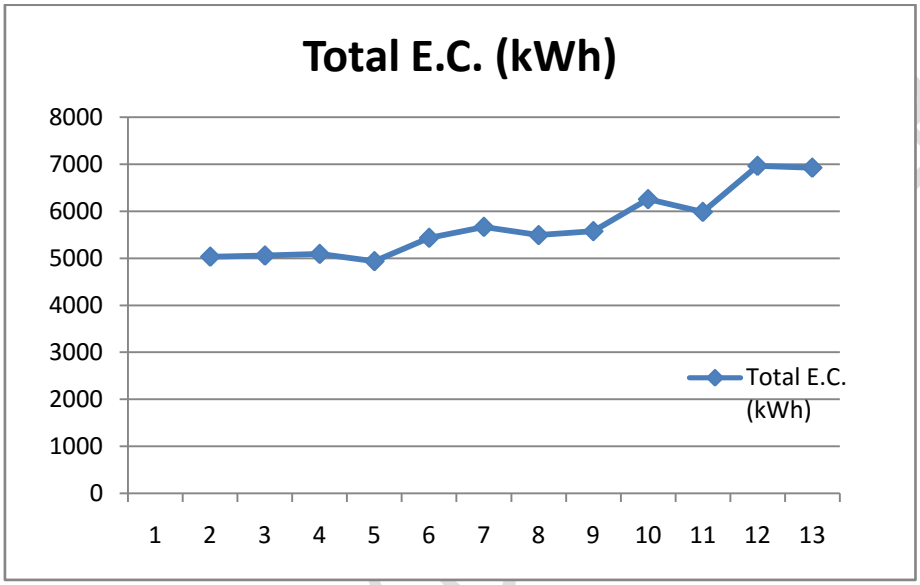
- Health and Well-being of Occupants:

Health and well-being of occupants is the most important aspect of Green Practices. The system ensures facilities to enhance health and occupant well-being which are critical in a campus.

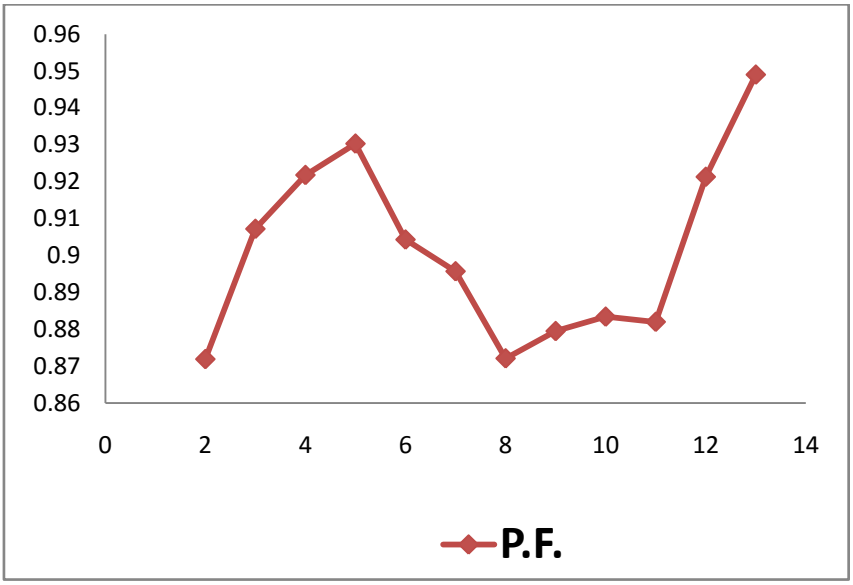
OBSERVATIONS & FINDINGS

A. ENERGY

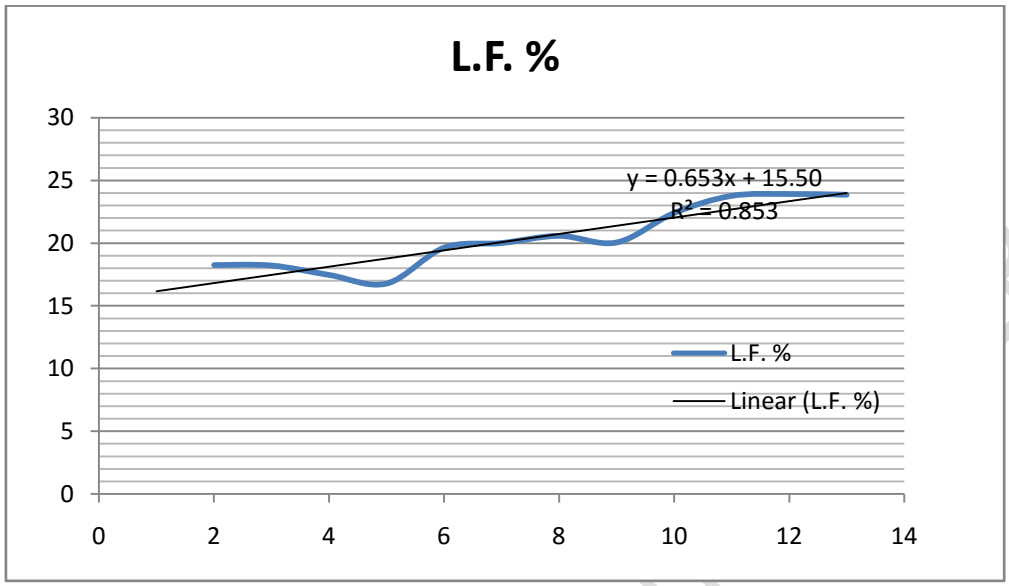
- Monthly Unit Consumption (May'20- Apr'21):



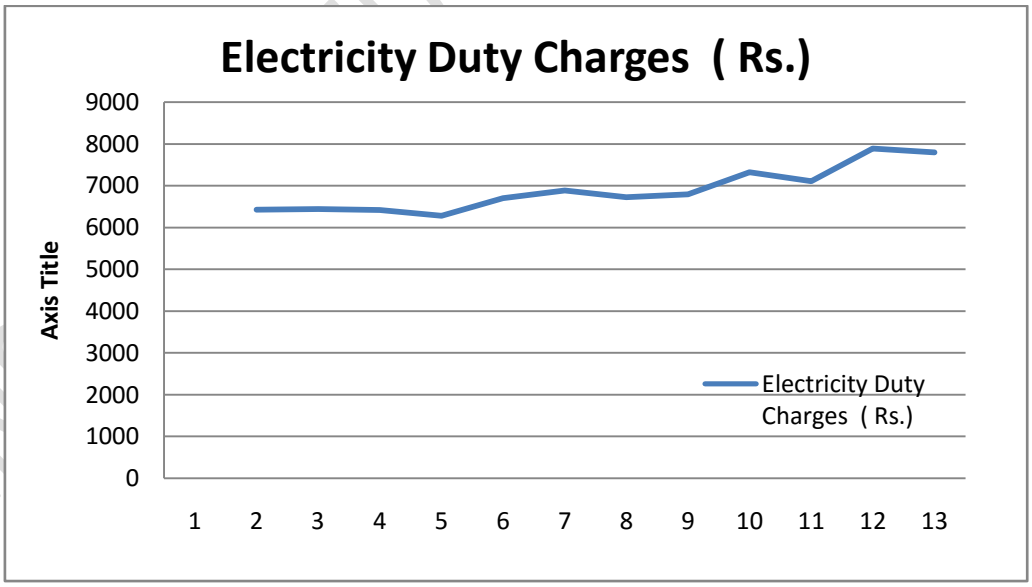
- Power Factor :



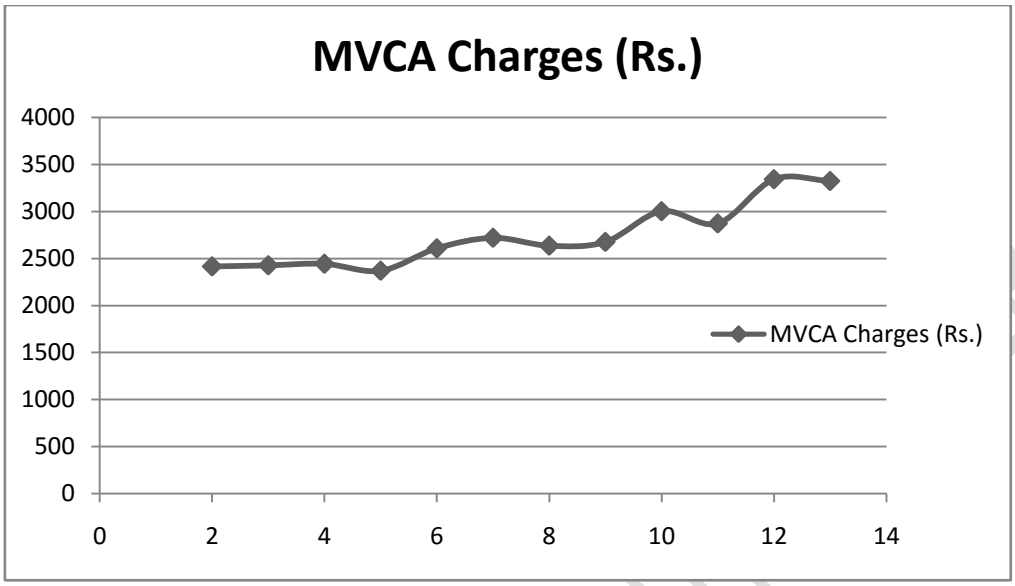
- Load Factor:



- Electricity Duty Charges (Rs.):



- MVCA Charges (Rs.):



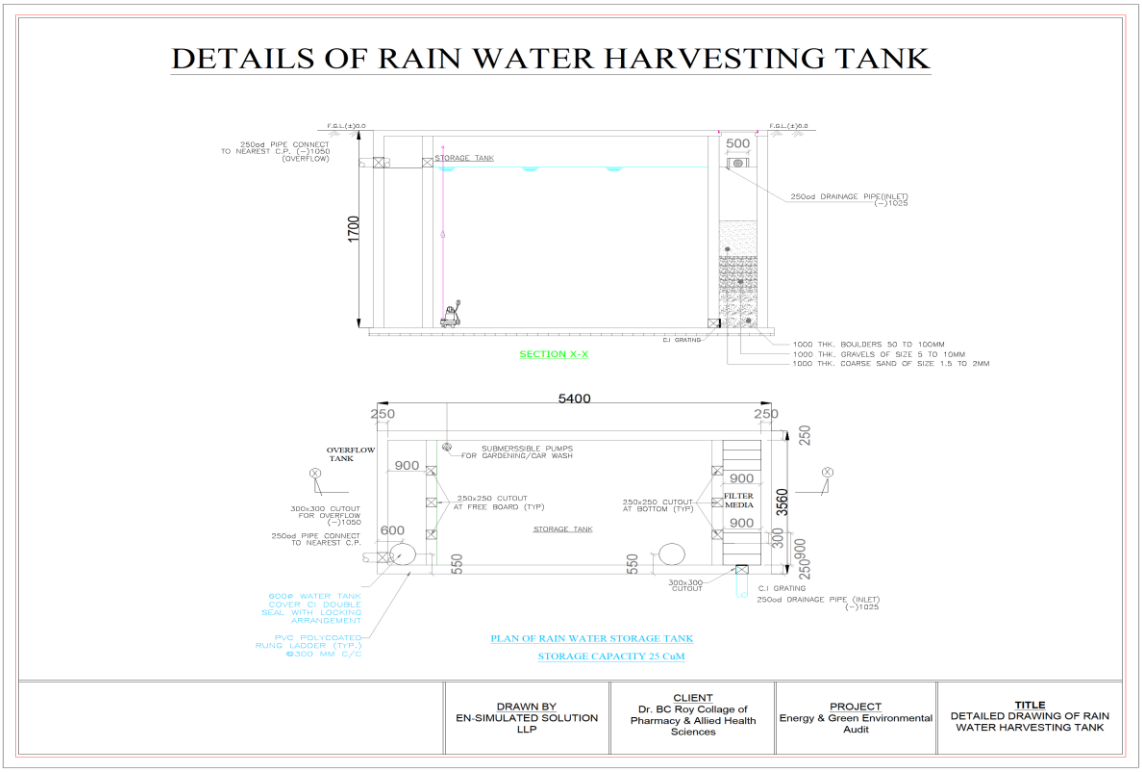
- Occupancy Details:

OCCUPANCY DETAILS			
Details	Male	Female	Total
No. of Students (Hostel)	138	59	197
No. of Students (From Outside)	303	60	363
	441	119	560
No. of Facilitator (Hostel)	4	2	6
No. of Facilitator (From Outside)	57	17	74
	61	19	80
No. of total occupant/day	**502**	**138**	**640**

C. GREEN PRACTICES

- Water Conservation:

BCRCPAHS promotes and set example for the students and staff members for positive infrastructure development. This simple method can put forward a solution which will be workable in areas where there is sufficient rain but the groundwater supply is not sufficient on the one hand and on the other surface water resource is insufficient. A Rainwater Harvesting Storage tank (Dimension 1.7 X 5.4 X 3.56 m^3) is observed with a Filtration Pit and a Recharge Pit as follows:



- Handling of Waste:

Waste management (or **waste** disposal) includes the activities and actions required to manage **waste** from its inception to its final disposal. This includes the collection, transport, treatment and disposal of **waste**, together with monitoring and regulation of the **waste management** process.

- Solid Waste:

The Resource Conservation and Recovery Act (RCRA), passed in 1976, states that "solid waste" means any garbage or refuse, sludge from a wastewater treatment plant, water supply treatment plant, or air pollution control facility and other discarded material, resulting from industrial, commercial, mining, and agricultural operations, and from community activities. Nearly everything we do leaves behind some kind of waste.
It is important to note that the definition of solid waste is not limited to wastes that are physically solid. Many solid wastes are liquid, semi-solid, or contained gaseous material.

The BCRCPAHS has availed the Waste Segregation facility at source by providing Dry/Wet Waste Bin inside the campus so far. The institution has also garbage collection facility in place offered by Durgapur Municipal Corporation.

- E-Waste:

E-waste is any electrical or electronic equipment that's been discarded. This includes working and broken items that are thrown in the garbage or donated to a charity reseller as a goodwill gesture. Often, if the item goes unsold in the store, it will be thrown away. E-waste is particularly dangerous due to toxic chemicals that naturally leach from the metals inside when buried.

According to the World Health Organization (WHO), health risks may result from direct contact with toxic materials that leach from e-waste. These include minerals such as lead, cadmium, chromium, brominated flame retardants, or polychlorinated biphenyls (PCBs). Danger can come from inhalation of the toxic fumes, as well as from the accumulation of chemicals in soil, water, and food.

This puts not just people in danger but land and sea animals as well. In developing countries, the risks are exceptionally high because some developed countries send their e-waste there. Studies have shown this global e-waste has detrimental effects on the people that work with the e-waste but also the people that live around it.

Because of this, a proper recycling process needs to be put in place to protect us and future generations.

- Energy Efficiency

Energy efficiency simply means using less energy to perform the same task – that is, eliminating energy waste. Energy efficiency brings a variety of benefits: reducing greenhouse gas emissions, reducing demand for energy imports, and lowering our costs on a household and economy-wide level. While renewable energy technologies also help accomplish these objectives, improving energy efficiency is the cheapest – and often the most immediate – way to reduce the use of fossil fuels. There are enormous opportunities for efficiency improvements in every sector of the economy.

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences, Durgapur, has initiated drives for energy conservation to bring consciousness towards the environment. Consequent upon this, the college is replacing old monitors with power efficient LED monitors, as one of the measures. Additionally, the campus is using LED downward lighting fixtures to reduce the impact of outdoor light pollution, the HVAC system is replacing with 3-star rated CFC/HCFC

free to reduce the carbon impact as well as the fire extinguisher(s) purchased are of Halon free (Nitrogen based). The college has also installed Solar Power Plant and slowly increasing the use of LED bulbs inside the college buildings.

15 kW On-Grid Rooftop Solar Panel

The Solar Power Generated is proposed to use by wheeling to grid so as to cater the total energy consumption of the campus.

- Sustainable Transportation

Sustainable Transportation refers to any means of transportation that is 'green' and has low impact on the environment. Examples of sustainable transportation include walking, cycling, transit, carpooling, car sharing, and green vehicles. Transport systems have significant impacts on the environment, accounting for between 20% and 25% of world energy consumption and carbon dioxide emissions. The majority of the emissions, almost 97%, came from direct burning of fossil fuels. Greenhouse gas emissions from transport are increasing at a faster rate than any other energy using sector. Road transport is also a major contributor to local air pollution and smog.

The **United Nations Environment Programme** (UNEP) estimates that each year 2.4 million premature deaths from outdoor air pollution could be avoided. Particularly hazardous for health are emissions of black carbon, a component of particulate matter, which is a known cause of respiratory and carcinogenic diseases and a significant contributor to global climate change.

BCRCPAHS is going green with a mindset that involves continual pursuit of knowledge regarding how to live life in an environmentally friendly and responsible way. In addition to big things that reduce people's carbon footprint, individuals can adopt small, everyday practices and behaviors that help protect the environment and preserve natural resources for current and future generations.

The college is encouraging the students and the staff members to ride bicycles over cars which help to protect the environment by reducing harmful emissions. Students are being counseled that bicycle riding is an easy way to do their part in helping to preserve planet and keep their own college campus free of stinky exhaust fumes.

- Health and Well Being

The World Health Organization (WHO) defines health as 'a state of complete physical, mental and social wellbeing and not merely the absence of disease or infirmity' (WHO, 1948). This is consistent with the **bio-psychosocial model** of health, which considers physiological, psychological and social factors in health and illness, and interactions between these factors. It differs from the traditional medical model, which defines health as the absence of illness or disease and emphasizes the role of clinical diagnosis and intervention.

BCRCPAHS maintain the green practices for sustainable environment. The students and staff members always try to makes healthy environment by performing different activities. The buildings on the campus are neat and clean, visually and acoustically comfortable. BCRCPAHS has implemented eco-friendly environment by the different process like Environment Awareness Camp, Tree plantation, restricted uses for vehicles, Pollution free campus etc.

Clean Campus

Tree Plantation Program

Along with these the college has also made some additional features available for the comfort and well-being of the faculty students and staffs, which are as follows:

- Pollution –free, eye soothing, lush green campus
- Adjacent ATM counter
- Internal medical unit with highly efficient medical practitioners along with a tie-up with The Mission Hospital, Durgapur
- In Campus Boy's and Girl's hostel

Entrance of the Campus

Landscape Area of the Campus

Pharmacy Unit

Medical Unit

Netaji Open Air Auditorium

Gymnasium

Offering Daylighting

Common Area Daylight

Additionally, it has been observed that if the campus registers for any certification Rating Process, with little effort it could achieve Gold or 4-Star Rated Level which would be of National Excellence with its existing facilities in addition with some minor additional implementations.

The Campus rating system addresses the most important National priorities which include water conservation, handling waste, energy efficiency, reduced use of fossil fuels and health & well-being of occupants. The rating system requires the application of National standards and codes like the Bureau of Indian Standards (BIS), Central Ground Water Board guidelines, Central Pollution Control Board guidelines, Energy Conservation Building Code (ECBC), MNRE Guidelines, MoEFCC guidelines, National Building Code (NBC), and Renewable Energy Certificates (RECs). The overarching objective is to better the National standards so as to create new benchmarks.

- **Water Conservation:**

Most of the Asian countries are water stressed and in countries like India, the water table has reduced drastically over the last decade. IGBC Green Campus rating system encourages use of water in a self-sustainable manner through reducing, recycling and reusing strategies. By adopting this rating programme, green campus can save potable water to an extent of 30 – 50%.

- **Handling of Construction Waste:**

Handling of waste in campuses is extremely difficult as most of the waste generated is not segregated at source and has a high probability of going to land-fills. This continues to be a challenge to the municipalities which needs to be addressed. Authority intends to address this by encouraging buildings to segregate the waste generated in the campus.

- **Energy Efficiency:**

The Buildings sector is a large consumer of electrical energy. Through Green Campus rating system, campuses can reduce energy consumption through energy efficient –exterior lighting, air conditioning systems, etc. Also, alternative resources or energy are encouraged. The energy savings that can be realized by adopting this rating programme can be to the tune of 20 – 30%.

- **Reduced Use of Fossil Fuels:**

Fossil fuel is a slowly depleting resource, world over. The use of fossil fuel for transportation has been a major source of pollution. The rating system encourages the use of alternate fuels for transportation.

- **Health and Well-being of Occupants:**

Health and well-being of occupants is the most important aspect of Green Campus rating system. The rating system ensures facilities to enhance health and occupant well-being which are critical in a campus.

An approach of searching for viable quotient as per standard green certification norms as follows:

Green Quotient of Existing Campus

#	Modules	Points Available	Points Achievable	Points Segregation	Compliance Action
Site Planning & Management [Maximum 22 Points]					
SPM MR 1	Green Buildings within the Campus	Mandatory			**Option 1: Green Buildings Built-up Area within the Campus** (OR) **Option 2: Green Features in the Campus Buildings**
SPM MR 2	Soil Erosion Control	Mandatory			• Soil erosion control measures must conform to the best management practices highlighted • Fertile topsoil to be stockpiled prior to construction, for future reuse or donation • Develop appropriate measures to address soil erosion, after occupancy
SPM Credit 1	Green Buildings within the Campus	10			**Option 1: Green Buildings Built-up Area within the Campus** Design individual buildings within the campus in accordance with appropriate IGBC rating system •Registered Projects Built-up Area •Certified Projects Built-up Area
			8	22	(OR) **Option 2: Green Features in the Campus Buildings** Design/ Retro-fit individual buildings with atleast 5 of the following green feature in the Campus Buildings: [Maximum 10 Points]
			0	2	• Passive Architecture
			0	2	• Heat Island Effect, Roof
			0	3	• Water Efficient Plumbing Fixtures

			0	2	• Waste Water Reuse
			1	1	• Eco-friendly Refrigerants
			1	3	• Energy Efficient Lighting Fixtures
			1	3	• High Performance Air-conditioning Equipment (applicable only for air-conditioned buildings in the campus)
			3	3	• On-site Renewable Energy (for Building requirements)
			1	2	• Daylighting
			1	1	• Outdoor Views
SPM Credit 2	Site Preservation	NA			
SPM Credit 3	Green Cover or Vegetation	6	3	3	**Case A: Green Cover or Vegetation** Demonstrate that the campus has retained or restored green cover or vegetation of the site area.
			3	3	**(AND/ OR)** **Case B: Plantation of Tree Saplings** The green cover shall have minimum 15 trees per acreage or plant tree saplings that can mature into fully grown-up trees with large canopy in the next 5 to 8 years
SPM Credit 4	Heat Island Reduction, Non-roof	4	2	2	Option 1: Non-roof Impervious Areas Provide one or more of the measures, for exposed non-roof impervious areas within the campus• Shade from existing tree cover/ newly planted saplings within 5 to 8 years of planting • Open grid pavers or grass pavers • Hardscape materials (including pavers) with SRI of atleast 29 (and not higher than 64).

			0	2	(AND/ OR) Option 2: Covered Parking Provide the parking spaces under cover
SPM Credit 5	Outdoor Light Pollution Reduction	2	0	2	Reduce light pollution to increase night sky access and enhance the nocturnal environment
	TOTAL	**22**	**16**		
Sustainable Transportation [Maximum 11 Points]					
ST Credit 1	Pedestrian Network	3	0	2	• Provide Shade for pedestrian network areas through tree cover or structured cover, for comfortable pedestrian access
			0	1	• Provide adequate illumination (Lux levels) for pedestrian network within the campus
ST Credit 2	Bicycle Lanes Network	4	0	2	• Design bicycle lane network within the campus to connect to all main buildings and basic amenities. • Provide bicycle parking at all main buildings/ basic amenities, within a walking distance of 100 meters. • Provide adequate illumination (Lux levels) for pedestrian network within the campus.
			0	2	(AND/OR) • Provide bicycles for campus occupants to commute within or outside the campus, as an environmental friendly transportation facility (for educational campus, minimum no. of bicycles must be 1 for every 25 occupants) & • Have a bicycle servicing facility within the campus (or) an alternative system to ensure that the bicycles would be in working condition.

ST Credit 3	Access to Sustainable Transportation	4	2	2	Option 1: Public Transport (2 Points) • Provide access to a public transportation facility (bus-stop/ intra-city railway station), within 800 meters walking distance from the campus entrance(s).
			0	2	(AND/ OR) Option 2: Shuttle Service (2 Points) • Electric/ CNG-powered Vehicles Operate or have a contract in place for electric/ CNG-powered vehicles within or outside the campus as shuttle services. Additionally, the project shall install electric charging facilities within the projects' parking area. (or) the project shall have atleast one CNG filling station within 5 km distance from the projects' campus entrance. (OR) • Conventional Vehicles (Fossil Fuel based vehicles) Operate or have a contract in place for shuttle services within or outside the campus (atleast 20% of the campus occupants).
TOTAL		**11**	**2**		
Water Conservation [Maximum 18 Points]					
WC MR 1	Rainwater Harvesting	Mandatory			**Case A: Rainwater Harvesting** Design rainwater harvesting system to capture/ percolate atleast 'one-day rainfall' runoff volume from roof and non-roof areas in the campus
					Case B: High Groundwater Table In areas where the Central / State Ground Water Board does not recommend artificial rain water recharge (or) if the groundwater table is less than 8 meters, the project is required to provide justification for not implementing rainwater harvesting system

WC Credit 1	Rainwater Harvesting	6	6	6	**Case A: Rainwater Harvesting** Design rainwater harvesting system to capture/ percolate atleast 'one-day rainfall*' runoff volume from roof and non-roof areas **(OR)**	
			0	6	**Case B: High Groundwater Table** Design rainwater harvesting system to capture/ percolate atleast 'one-day rainfall*' runoff volume from roof and non-roof areas	
WC Credit 2	Landscape Design	4	1	1	Turf Area (Any One)	≤ 40%
			0	2		≤ 20%
			0	1	Drought Tolerant/ Native / Adaptive Species Area (Any One)	≥40%
			2	2		≥60%
WC Credit 3	Management of Irrigation Systems	2	2		**(1 point for every three measure; maximum 2 points)** • Central shut-off valve • Soil moisture sensors integrated with irrigation system • Turf and each type of bedding area must be segregated into independent zones based on watering needs • Atleast 50% of landscape planting beds must have a drip irrigation system to reduce evaporation • Atleast 75% of turf area must have sprinkler irrigation system to reduce water loses • Time based controller for the valves such that evaporation loss is minimised and plant health is ensured • Pressure regulating device(s) to maintain optimal pressure to prevent water loss • Any other innovative methods for watering	
WC Credit 4	Wastewater Treatment and Reuse	4	0	2	**Waste Water Treatment:** Have an on-site treatment system to handle 100% of waste water generated in the campus, to the quality standards suitable for reuse, as prescribed by Central (or) State Pollution Control Board, as applicable.	

			0	2	**Waste Water Reuse:** Use treated waste water for atleast 25% of the total water required for landscaping and centralised Air-conditioning cooling tower make-up water (*if the project uses centralised water-cooled chillers)*
WC Credit 5	Optimise Water Use for Construction	NA			
WC Credit 6	Water Metering	2	0	2	**(1 point for every three measures; maximum 2 points) •** Municipal water supply • Bore water consumption • Treated waste water consumption • Water consumption for landscape requirements • Water consumption for centralised Air-conditioning cooling tower makeup (if the project uses centralised water-cooled chillers) • Building-level water consumption • Any other major source of water consumption
	TOTAL	**18**	**11**		
Energy Efficiency [Maximum 21 Points]					
EE Credit 1	Energy Efficiency in Infrastructural Equipment	10	**For all infrastructural equipment/ systems within the campus, achieve energy efficiency for the following systems: (maximum 10 points)**		
			1	5	Reduce lighting power density by for exterior areas
			0	2	All non-emergency exterior & common area lighting such as landscaping, surface and covered parking, pathways, bicycle lanes, street lighting should have Daylight sensor/ Timer-based control.
			1	2	Pumps shall have minimum efficiencies
			1	1	Motors (> 3.5 HP) with efficiency of atleast 85%

			1	3	Campuses which have installed Centralised Air-conditioning systems shall have a COP/ IPLV
EE Credit 2	On-site Renewable Energy	5	**Percentage of On-site Renewable Energy generated to the Total Annual Energy Consumption of the Campus Infrastructural Equipment/ Systems, excluding Buildings :(Any One)**		
				1	≥10
				2	≥20
				3	≥30
				4	≥40
			5	5	≥50
EE Credit 3	Off-site Renewable Energy	4	2	4	**Option 1:** Demonstrate that the project has purchased Renewable Energy Certificates (RECs) equivalent to atleast 20% of total annual energy consumption of the campus infrastructural equipment/ systems, excluding buildings.
			0		**(OR) Option 2:** Off-site Renewable Energy Investments Demonstrate that the project has invested in off-site renewable energy equivalent to atleast 20% of total annual energy consumption of the campus infrastructural equipment/ systems, excluding buildings.
EE Credit 4	Energy Metering	2	0	2	**(1 point for every three measures; maximum 2 points)** • Municipal water pumping • Ground water pumping • Treated waste water pumping • Exterior area lighting, including landscapes • Centralised air-conditioning systems • Renewable energy generation • Power backup systems (e.g. Generators sets) • Building-level energy consumption • Any other energy consuming equipment and systems
	TOTAL	**21**	**11**		

Material & Resource Management [Maximum 3 Points]						
MRM MR 1	Segregation of Waste, Post-occupancy	Mandatory			**Dry and Wet Waste** Provide separate bins to collect dry waste (paper, plastic, metals, glass, etc.,) and wet waste (Food), at all the exterior common areas of the campus, as applicable. Divert the collected waste to a centralised facility, which is easily accessible for hauling. **(AND)** **Hazardous Waste** In addition to dry and wet waste bins, provide separate bins for safe disposal of the following hazardous waste, at the centralised facility(i.e. Batteries, 'e' waste, Lamps, Medical waste, *if any*)	
MRM Credit 1	Organic Waste Management, Post-occupancy	3	1	1	Organic Waste	≥75%
				1	Garden Waste (Any One)	≥25%
			2	2		≥50%
MRM Credit 2	Handling of Waste Materials, during Construction	NA				
MRM Credit 3	Local Materials	NA				
	TOTAL	**3**	**3**			
Health & Well-being [Maximum 6 Points]						
HWB MR 1	Tobacco Smoke Control	Mandatory			**Option 1 : No Smoking** Demonstrate that smoking is prohibited in the campus. **(OR)** **Option 2 : Outdoor Smoking Areas** In case the campus has outdoor smoking areas, such areas shall be located at a minimum of 7.6 meters away from all outdoor air intakes (such as entrance doors, window openings etc.).	
HWB	Basic Amenities	1	**Provide atleast seven basic amenities within the campus, with pedestrian access.**			

Credit 1			1	1	List of Basic Amenities: • Accommodation facilities (Guest house, Hotel, Service apartment) • ATM / Bank Automobile refuelling station • Cafeteria/ Restaurant • Educational facilities (Crèche, Primary School, & Secondary School) • Hospital • Laundry / Dry cleaners • Leisure & Entertainment facilities (Auditorium, Amphitheatre, Theatre, etc.,) • Park / Garden • Post office / Courier service • Retail Stores (Grocery store, Supermarket, etc.,) • Saloon
HWB Credit 2	Health & Well-being facilities	4	2	2	**Health & Well-being Facilities** Demonstrate that the campus has health & well-being facilities to cater to atleast 10% of campus occupants, through the day. Health & well-being facilities include, but not limited to, aerobics, gymnasium, swimming pool, yoga, meditation, indoor games, outdoor games, playground, etc.,
			2	2	**(AND/ OR)** **Healthcare, Emergency & Security Facilities** Additionally, provide healthcare, emergency & security facilities within the campus such as first-aid/ clinic, pharmacy, emergency alarm, surveillance system etc., in the campus
HWB Credit 3	Universal Design	1	1	1	Design the campus to provide the measures for differently abled and senior citizens.
HWB Credit 4	Basic facilities for Construction Workforce	NA			
	TOTAL	**6**	**6**		
Green Education [Maximum 3 Points]					

GE Credit 1	Green Education	2	1		Promote green education by involving campus occupants, local communities & NGOs, to increase awareness levels and encourage implementation of eco-friendly practices
GE Credit 2	Green Campus Guidelines	1	1		Provide campus occupants and facility team with descriptive guidelines that educate and help them to maintain green design and construction features.
	TOTAL	**3**	**2**		
Innovation & Design [Maximum 6 Points]					
ID Credit 1	Innovation in Design Process	4	0		**Option 1: Innovation** Identify the intent of innovation credit, requirement for compliance, approach used to meet the required measures, and documentation to demonstrate compliance
			2		**Option 2: Exemplary Performance** The project is eligible for exemplary performance, if the design and/ or construction measures greatly exceed the credit requirements of the IGBC Green Campus rating system
ID Credit 2	IGBC Accredited Professional	2	2		Atleast three participants of the project team shall be IGBC Accredited Professionals
	TOTAL	**6**	**4**		
	TOTAL	**90**	**55**		
Certified 36-44, Silver 45-53, Gold 54-66, Platinum 67-90					

source reference IGBC,CII

DATA ANALYSIS

ENERGY:

1. The system load of BCRCPAHS, in the mid of the year, is observed with a low P.F. which resulting into the following:

    - A Low P.F. draws a higher internal current and the excessive heat generated will damage and/or shorten equipment life.
    - Increased reactive loads can reduce output voltage and damage equipment sensitive to reduced voltage.
    - Low P.F. requires equipment to be constructed heavier to absorb internal energy requirements
    - Low P.F. will result in a more expensive system with equipment able to absorb internal loads and larger load requirements
    - A system designer looks to increase P.F. to lower system costs, increase reliability and increase the system's life cycle
    - Utilities will charge a higher cost to industrial and commercial clients having a low P.F.

2. In L.F. which is a measure of the utilization rate, or efficiency of electrical energy usage; a high load factor indicates that load is using the electric system more efficiently, whereas consumers or generators that underutilize the electric distribution will have a low load factor.

    L.F. =Average Load/Maximum Load in given time period

The load factor graph of BCRCPAHS depicts that the load is varying. As a result, the institution is bearing some amount of penalty charges every month.

3. The Contract Demand is insufficient with respect to maximum demand.
4. As per NAAC Audit (2019-2020) Report recommended, the tube lights of the common area corridors are due with 36 Watt conventional tube lights.

5. The 15kWp Solar PV panel installed. The Solar Power generated by the campus is proposed to use by wheeling to grid from the FY 21-22. On Holidays the generated power will directly supply to the WBSEDCL.

ENVIRONMENTAL & GREEN:

1. BCRCP has also taken a large amount of policies for Green Energy & Clean Environment in College Campus (already in place and in operating phase):

- Renewable energy generation and energy conservation
  (a) Solar energy
  (b) Wheeling to the grid
  (c) Use of LED bulbs/ power efficient equipment
- Water conservation facilities
  (a) Rain water harvesting

- Solid waste management
  (a) The Waste Collection facility by Municipal Authority
  (b) Segregation Of Waste at Source (Dry/Wet/E-Waste)

- Green campus drive
  (a) Restricted entry of automobiles
  (b) Landscaping with trees and plants

- Disabled friendly environment
  (a) Built-in ramps/lifts for easy access to classrooms
  (b) Disabled friendly washrooms (progressive implementation)

6. BCRCPAHS has also made some additional features available for the comfort and well-being of the occupants, which are as follows:

- Accommodation Facilities – Guest House in the campus / Faculty and Staff Quarter inside the campus.
- ATM – ATM just besidethe campus
- Canteen – From Student and Staff
- Hospital – MoU with The Mission Hospital Durgapur and In campus Medical Centre for Health check-up for students and staff
- Park / Garden in the campus

RECOMMENDATIONS & DISCUSSIONS

The institution has been inaugurated in the year 2005, September. Though the modern concept of environmental features other than good practice(s), has been adopted at that time as much as possible. However addition of new buildings and other amenities is a regular practice till date. Hence, a list of recommendations along with the earlier provided recommendations are as follows:

ENERGY:

- The P.F. correction is required at the earliest. **Automatic Power Factor Controller (APFC) can be installed.**

This controller determines the rating of capacitance connected in each step during the first hour of its operation and stores them in memory. Based on this measurement, the APFC switches on the most appropriate steps, thus eliminating the hunting problems normally associated with capacitor switching.

The needs of using APFC are:

- APFC help reduce Reactive Power and Apparent Power Demand.
- These controllers also help to avoid Power Factor Surcharges & Maximum Demand Penalties.
- It reduces the risk of Operational Issues and Power Loss.
- Whereas it also improves the power factor. And brings it as close to 0.99 or unity as possible.
- It provides consistent Power Factor Correction even under fluctuating power loads.
- The Automatic Control System effectively switches the capacitors on or off whenever you require.
- The APFC system continuously monitors the load and takes action based on the microprocessor relays.
- These system also have a User-Friendly Interface.
- It helps to bring down electricity consumption and reduce utility bills.
- These APFC likewise minimize Harmonic Disruption too.
- It is durable and resistant to corrosion.
- APFC System also protect electrical equipment from damage.

Proposed Models &Cost Analysis:

1. etaSMART 8R (L&T APFC Controller) - 415V – Rs. 9000/-
2. etaCON M (L&T APFC Controller) – 415-110V – Rs. 12000/-

[Details attached in the Annexure.]

- The Contract Demand is insufficient with respect to the maximum demand. It is advised to increase the contract demand (i.e. 75 KVA)to substantiate the need of maximum demand when the institution will run with *100% student capacity*. It has been observed that due to pandemic situation the problem is hardly identifiable in the FY 2020-2021 but the same has drawn serious attention in the FY 2019-2020.
- The existing common area lighting fixtures could be replaced by sensor based energy efficient lighting fixtures.
- The Fan(s) & Exhaust(s) could be replaced by Energy Efficient BLDC Ceiling Fan, Wall Fan and Pedestal Fan & Exhaust Fan. [Efficiencia (BLDC 32 W), Details attached in the Annexure]

ENVIRONMENTAL & GREEN:

- The existing ramp in the entrance of BCRCPAHS campus could be renovated as per the dimension guided by the NBC 2016 along with the handrail to serve the purpose.
- The existing buildings could adopt ECBC as per guidelines of MOEFCC and the roof of existing buildings could be finished with reflective type light color paints.
- It is recommended to segregate the Bio-medical Waste at source.

Any type of biomedical wastes shows a threat of infection to human health. Examples include non-liquid tissue and body parts from humans and other primates; laboratory and veterinary waste which contain human disease-causing agents; discarded sharps; and blood, blood products and body fluids from humans and other primates. The following are also included:

  - Used, absorbent materials saturated with blood, body fluids, or excretions or secretions contaminated with blood and absorbent materials saturated with blood or blood products that have dried. Absorbent material includes items such as bandages, gauze and sponges.
  - Non-absorbent disposable devices that have been contaminated with blood, body fluids or blood contaminated secretions or excretions and have not been sterilized or disinfected by an approved method.
  - Other contaminated solid waste materials which represent a significant risk of infection because they are generated in medical facilities which care for persons suffering from diseases requiring Strict Isolation Criteria.

- Itis recommended to use the Recharged Rain-water through the sprinkler irrigation system to maintain the Landscape.
- The existing plumbing fixtures could be exchanged with low-flow fixtures(even if the faucets are introduced with aerators); this has a potential for reduction of 25-40% daily water use as follows:

Calculations showing water consumption pattern of fixtures installed For Dr. B.C. Roy College of Pharmacy & AHS, Durgapur						
Base Case				**Proposed Case**		
Faucets/ Taps				**Faucets/ Taps**		
Total Occupants	640	Number		Total Occupants	640	Number
Flow rate	8	LPM		Flow rate	5	LPM
Daily Usage	0.25	Minutes		Daily Usage	0.25	Minutes
Total Water Consumed/ day	1280	Litres		Total Water Consumed/ day	800	Litres
Total Number of working days	250			Total Number of working days	250	
Annual Water Consumed	3,20,000.00	Litres		Annual Water Consumed	2,00,000.00	Litres
Percentage of Water Saving						**38%**

- A secondary type of sewage treatment plant (60 KLD Capacity, considering efficiency 90%) could be thought of to reduce potable water use for irrigation, road washing, Car Washing, D G set cooling etc. Details are as follows:

Water Demand Calculation for Dr. B.C. Roy College of Pharmacy & AHS, Durgapur				
Fixture Type	**Duration (Min.)**	**Total number of occupants**	**Baseline**	
			Flow rate (LPM/LPF)	**Total daily water use (Litre)**
Water Closet (High Flush)	1Flush	640	6	3840
Water Closet (Low Flush)	1 Flush	640	3	1920
Health Faucet / Bidet / Hand held spray	0.25	640	8	1280
Faucets	0.25	640	8	1280
Kitchen sink faucets	0.25	640	8	1280
Urinal	1Flush	640	4	2560
Shower Head/ Hand held spray	8	640	8	40960
Total Water Use				**53120**
Daily Volume from flush fixtures (Black Water)				9600
Daily Volume from flow fixtures (Grey Water)				43520
Number of operational days				250
Description			Baseline (Litres)	
Annual volume from flush fixtures(Black water)				24,00,000
Annual volume from flow fixtures (Grey water)				1,08,80,000
Annual volume from flush & flow fixtures (Black & Grey Water)				1,32,80,000

PROPOSED WASTE WATER REUSE for Dr. B.C. Roy College of Pharmacy & AHS, Durgapur	
Details	**Liters/day**
Grey Water generated from flow fixture	43520.0
Black Water generated from Flush Fixtures	9600.0
Total Waste Water generated	**53120.0**
STP Capacity	**60000.0**
Efficiency of STP	**90%**
Treated grey water available for reuse	**54000.0**
Landscape Water Requirement	55356.0
Flushing water Requirement	43520.0
Any other Use(Road Washing, Car Washing)	10560.0
Volume of treated waste water Reuse	**109436.0**

ANNEXURE(S)

DURGAPUR MUNICIPAL CORPORATION
CITY CENTRE, DURGAPUR -713216, DIST- PASCHIM BARDHAMAN
EPABX : (0343) 2545842, 2546994, 2546107 • Fax No. 254-6472
Website : durgapurmunicipalcorporation.org • E-mail: durgapurcorporation@gmail.com

Ref. No : DMC/ CS/ 347 Date 11/12/21

To,
The Principal,
Dr. B. C. ROY COLLEGE OF PHARMACY & AHS.
Dr. Meghnad Saha Sarani, Bidhannagar,
Durgapur-713206.

Sub:- Supply of safe drinking water.

It is certified that the water is supplied to your premises from Angadpur Water Treatment Plant under Durgapur Municipal Corporation after proper treatment and quality testing as per I.S. standard. It is purely safe and can be used for drinking purpose.

Commissioner,
Durgapur Municipal Corporation.

09/12/21

Other Sustainable Practices

DURGAPUR MUNICIPAL CORPORATION

CITY CENTRE, DURGAPUR -713216, DIST- PASCHIM BARDHAMAN

EPABX : (0343) 2545842, 2546994, 2546107 • Fax No. : 254-6472

Website : durgapurmunicipalcorporation.org • E-mail: durgapurcorporation@gmail.com

Ref. No : DMC/ HD/885 Date 8/12/21

SANITARY CERTIFICATE

This is to Certify that Premises of DR.B.C.ROY COLLEGE OF PHARMACY & AHS, Dr. Meghnad Saha Sarani, Bidhannagar, Durgapur-713206, Paschim Burdhaman, West Bengal, is kept clean and is in hygienic condition with sufficient ventilation. Durgapur Municipal Corporation is Collecting solid waste (Garbage) or regular basis form Dr. B.C. Roy College Of Pharmacy & AHS Campus.

08.12.2021

Health Officer

Durgapur Municipal Corporation

Other Sustainable Practices

THE DURGAPUR PROJECTS LIMITED.

(A Government of West Bengal Enterprise)
AN ISO 9001 : 2000 Certified Company
Regd. Office : Administrative Building, Durgapur - 713201
Tele Fax : + 91 (343) 2556786 / 2556251/ 2555052

OFFICE OF THE ELECTRICAL TRANSMISSION & DISTRIBUTION
ELECTRICAL DIVISION (C&P)
DURGAPUR - 2

No.: DPL/ETD/ED/ 3782 Dated 22/08/12

To
M/S Dr. B. C. Roy College of Pharmacy & Allied Health Sciences.
Dr. Meghnad Saha Sarani, Bidhannagar, Durgapur–12.

Sub.: - Enhancement of load from 25 KVA to 50 KVA

Dear Sir

You have applied for enhancement of contractual demand from 25 KVA to 50 KVA in the above mentioned premises. In this respect you have also deposited Rs. 82,917.00 (Eighty Two Thousand Nine Hundred and Seventeen) only as Consumer's Contribution (524601) vides money receipt no- DPL/4/028671, dated 26/07/2012.

Now, you are requested to please contact our Senior Manager (Commercial) for execution of power supply agreement and depositing security charges in respect of your connection.

Thanking you.

Yours truly,

Asstt. Manager/Electrical Division (C&P)/DPL

Kolkata Office : 1, Shakespeare Sarani, Kolkata -700 071, Tele Fax : +91 (33) 22823492

ORIGINAL FOR RECIPIENT

KONE Elevator India Private Limited
5th Floor, DP-9, 5TH FL., P.T.I. BLDG. SALT LAKE,PTI Building, Sat Lake,
Kolkata-700091
WEST BENGAL
Phone-033-23670235

TAX INVOICE

GST No : 19AAACK2567P1ZY
CIN : U29141TN1984PTC010913
PAN : AAACK2567P

BILLING ADDRESS
M/s DR B C ROY COLLEGE OF PHARMACY
AND ALLIED HEALTH SCIENCES
DR MEGHNAD SAHA SARANI,
DURGAPUR-713206
WEST BENGAL
KIND ATTN:MR. K C GHOSH
PHONE-034-32503982
GSTIN/Unique ID:

CUSTOMER NAME & ADDRESS
M/s DR B C ROY COLLEGE OF PHARMACY
AND ALLIED HEALTH SCIENCES
DR MEGHNAD SAHA SARANI
DURGAPUR-713206
WEST BENGAL
GSTIN/Unique ID:

Invoice No : 8280043970
Date : 30-AUG-2021
Sales District : 282GAI
Business Area : VA

Sys Contract Ref No: 4 998529
Sys Contract Ref Date: 28-AUG-2021

Cust Code: 12627852
Order No: 4000885463
Order Date: 04-AUG-2021
Cust PAN: AAAB002045

Details Of Consignee(Shipped to)
SITE ADD:DR BC ROY COLLG OF PHAR AHE,DURGAPUR,DR. MEGHNAD SAHA SARANI,,BIDHANNAGAR, DURGAPUR 713206,WEST BENGAL
Place Of Supply: GSTIN: Reverse Chargeable - "NO"

NEMO Category-4

Equipment Number	Description	HSN/SAC	AMC Period From	AMC Period To	Qty	UOM	Rate/UOM	Base Value
42351459	KONE NEMO CONTRACT	998715	16.08.2021	31.03.2022	1.000	PC	46121.25	46121.25
					Total Base Value			46121.25
					CGST 9.00%			4150.91
					SGST 9.00%			4150.91
					IGST			
					UTGST			
					Total			54423.07

Rupees in Words: (RUPEES FIFTY FOUR THOUSAND FOUR HUNDRED TWENTY THREE AND PAISE SEVEN ONLY)

Note: Please release payment IMMEDIATELY on receipt of this invoice to avoid interest @ 18% p.a., simply ignore if already paid.

Kindly arrange to issue your payment favouring "KONE Elevator India Private Limited". For E-Transfers the Bank details are provided below:

Indian Account	5891282HNY
Current Account	42185017 78
Bank Name & Address	Standard Chartered Bank 48, Rajaji Salai, Chennai 600001
IFSC	SCBL0036078

For KONE Elevator India Private Limited
Digitally signed by C BALAJI
Date: 31.08.2021 [illegible]
AUTHORISED SIGNATORY

Regd Office : Plot No : A 28, SIPCOT Industrial Park, Irungattukottai, Sriperumbudur Taluk, Kancheepuram District – 602105 Tamilnadu.
Ph:+91 44 666039 /8 Email: india@kone.com, Website: www.kone.in

SERVICE ORDER

DR B.C.ROY COLLEGE OF PHARMACY & ALLIED HEALTH SCIENCES
DR MEGHNAD SAHA SARANI, BIDHAN NAGAR, DURGAPUR-713206,WEST BENGAL
Phone: (0343) 253 2679, Fax: (0343) 253 2679, eMail: bcrcp_dgp@yahoo.co.in

Vendor Detail :
Garuda Power Pvt. Ltd.
Purbasha Colony, Ushagram, Asansol, West Bengal 713303

Phone: 8420146648
Fax:
Service Tax No:
Pan No.: AADCG3908M

Amendment No : 1
SERVICE ORDER NO. : SVC/BCRCP/00012/21-22
DATE : 06/08/2021

Contact Detail
Contact Person :
Telephone No :
Our Fax Number: (0343) 253 2679
E-mail : bcrcp_dgp@yahoo.co.in

NO DATA

	Main Text	Active Unit	UOM	Gross Amount
1	ANNUAL MAINTENANCE CONTRACT	1	NOS	14,664.00

The item covers the following services:

SL	Item Name	Unit	UOM	Price	Amount	Completion Dt
1.1	DIESEL GENERATING SET AMC for DG set (01-08-2021 to 31-03-2022) Sr.No : 02211085, Engine Serial No.1511155*4, Model No : X3.6TAAG1, Equipment Model No : 35KVA (1250 x 8)	1.00	NO	10,000.00	10,000.00	31/03/2022
1.2	DIESEL GENERATING SET AMC for DG set (01-08-2021 to 31-03-2022) Sr.No : A101080234, Engine Serial No.SC21300112, Model No : C7.9DS, Equipment Model No : 7.5KVA (583 x 8)	1.00	NO	4,664.00	4,664.00	31/03/2022
			Total		14,664.00	
	Add - CGST-BILLWISE		@ 9.00 %		1,319.76	
	Add - RO(+)				0.48	
	Add - SGST-BILLWISE		@ 9.00 %		1,319.76	
			Grand Total		17,304.00	

In Words-Rupees: Seventeen Thousand Three Hundred Four Only

TESRMS & CONDITIONS

AMC PERIOD FROM 01.08.2021 TO 31.03.2022.

Terms & Conditions : As per physical agreement copy.

GST : Inclusive

Payment : 100% against proforma invoice.

Ph. Nos. 2223-6421/6472.
Extn. No. 217.

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF ELECTRICITY
1, HARISH MUKHERJEE ROAD, KOLKATA-700 020
****

No. KKD/ 775 , Dated, Kolkata, the 27-3- 2012.

From :: The Dy. Chief Electrical Inspector, Govt. of West Bengal.

To :: The President,
Dr. B.C. Roy College of Pharmacy and Allied Health Sciences,
Dr. Meghnad Saha Sarani,
Bidhannagar; Durgapur – 713212,
Dist. – Burdwan.

Approval for
High Voltage installation comprising of (1) 1 X 100KVA, 11KV/433V Transformer (Make : Eastern Transformers & Equipment Pvt. Ltd.; Sl.No. :- S-1716/1) (2) One 11KV 400A GOAB Switch with D.O. Fuses (Make :- Porel Electricals) and (3) One set 15KV 5KA LA's

at your above premises as desired

In your ref. No. BCR/DPL-Elect/12/4890 dtd. 08/02/2012 .

Dear Sir/s,

With reference to your application under Rule 63(2) of the Indian Electricity Rules, 1956 and the inspection by the office on 23/03/2012 I hereby accord approval to your bringing into use the high voltage installation mentioned above subject to your compliance with the requirements of the Indian Electricity Rules, 1956 as set out below and any future additions to or alterations in the 11KV high voltage circuits or apparatus being notified to the Electrical Inspector, West Bengal and approval in writing obtained from him before the same are brought into use.

Enclo :: A bill for Rs.300.00

Yours faithfully,

(K.K.DHARA)
DY. CHIEF ELECTRICAL INSPECTOR,
WEST BENGAL

SB:
27/03/12.

TAX INVOICE

(ORIGINAL FOR RECIPIENT)

FRENCH ELECTRIC CORPORATION (21-22)
P-40 INDIA EXCHANGE PLACE
KOLKATA 700001
WEST BENGAL
GST NUIN: 19AANFU8434B1ZU
State Name : West Bengal, Code : 19
E-Mail : frenchelectric786@gmail.com

Consignee (Ship to)
DR. BC. ROY COLLEGE OF PHARMACY & AHS
DR. MEGHNAD SAHA SARANI
BIDHANNAGAR, DURGAPUR -713206
WEST BANGAL
State Name : West Bengal, Code : 19

Buyer (Bill to)
DR. BC. ROY COLLEGE OF PHARMACY & AHS
DR. MEGHNAD SAHA SARANI
BIDHANNAGAR, DURGAPUR -713206
WEST BANGAL
State Name : West Bengal, Code : 19

Invoice No.	Dated
FEC/0379/20-21	30-Oct-21
Delivery Note	Mode/Terms of Payment
D/B	IMMEDIATE
Reference No. & Date.	Other References
Buyer's Order No.	Dated
PO/BCRCP/0902/21-22	29-Oct-21
Dispatch Doc No.	Delivery Note Date
D/B	30-Oct-21
Dispatched through	Destination
TRANSPORT	DURGAPUR
Terms of Delivery	
FREE	

Sl No	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	LED 18 WATT PANEL LIGHT ROUND CONCEAL OPPLE	9405	20 PCS	675.00	PCS		13,500.00
2	LED 22 WATT SURFACE LIGHT	9405	9 PCS	1,750.00	PCS		15,750.00
3	TIMER SWITCH DIGITAL L&T MAKE	9107 8536	2 PCS 1 PCS	1,650.00 2,345.00	PCS PCS		3,300.00 2,345.00
4	TPN CONTACTOR SWITCH 32 AMP, L T MAKE	8536	12 PCS	950.00	PCS		11,400.00
5	LED TUBE LED 36 WATT TUBE LIGHT OSRAM OPPLE MAKE	8531	2 PCS	3,250.00	PCS		6,500.00
6	LED PANEL LIGHT 2X2 FT LED LIGHT, OPPLE MAKE	8414	2 PCS	1,550.00	PCS		3,100.00
7	9" EXHAUST FAN L&T, BEARING, HEAVY DUTY Vide - ISI/BIS/ CRI/ MPCW MARK						
							55,775.00
	OUTPUT COST @ 6%					6 %	2,829.00
	OUTPUT SGST @ 6%					6 %	2,829.00
	OUT PUT CGST @ 9 %					9 %	776.25
	OUT PUT SGST @ 9 %					9 %	776.25
	ROUNDED OFF GST (SALES)						0.50
	Total		48 PCS				₹ 62,986.00

E & O.E

Amount Chargeable (in words)
INR Sixty Two Thousand Nine Hundred Eighty Six Only

Company's Bank Details
Bank Name : PUNJAB NATIONAL BANK
A/c No. : 3196008700000144
Branch & IFS Code : TURABOURNE ROAD & PUNB0319600

for FRENCH ELECTRIC CORPORATION (21-22)

Authorised Signatory

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

This is a Computer Generated Invoice

Pradyut Kr. Saha
S. K. SAHA
(In-charge S&P)
Central Store
Dr. B.C. Roy College of Pharmacy & Ahs
Dr. Meghnad Saha Sarani, Bidhan Nagar
Durgapur-713206, (W.B.)

Original-Buyer's Copy

PURCHASE ORDER

DR.B.C.ROY COLLEGE OF PHARMACY & ALLIED HEALTH SCIENCES
DR.MEGHNAD SAHA SARANI, BIDHAN NAGAR, DURGAPUR-713206,WEST BENGAL
Phone: (0343) 253 2679, Fax: (0343) 253 2679, eMail: bcop_dgp@yahoo.co.in

Order No: PO/BCRCP/00027/21-22 Date: 09/11/2021

Vendor Detail :
APARAJITA SOLAR

Phone:
Fax:
Email:
Website:
SST/VAT No.:
CST No.:

For BCRCP

SL	Item Code & Desc	Quantity	Unit	Rate	Amount	Gross Amount
1	SOLAR POWER PLANT 15KWP Off-Grid Solar Power Plant With 15 KVA - Supporting String Inverter With 15 KW Poly-Crystalline Panels With Supporting Gi Structure Complete accessories as per site.(Detail list of component is attached)Civil Work with Material (Units-15000) Indent No INDENTBCP/00032/21-22	1.000	KW	603750.000	603750.00	603,750.00
	Net Amount:-					603,750.00
	Total Item Value:-					36,225.00
	SGST-BILLWISE	+		6.00		36,225.00
	CGST-BILLWISE	+		6.00		576,200.00
	Grand total:-					

In Words-Rupees: Six Lakh Seventy Six Thousand Two Hundred Only

TESRMS & CONDITIONS

Delivery : Within 30 days from the date of receipt of Order at our college campus .

Payment : 60 % payment as an advance shall be released against proforma invoice. 2) 40 % Payment shall be released after arrival of all materials as per materials list. 3) FINAL & BALANCE 10 % payment shall be released after satisfactory completion of entire project works.

Terms & Conditions : Defect Liability Period (DLP) : Agency shall submit undertaking prior to final payment in a Non Judicial Stamp paper of Rs. 100/- (Rupees One Hundred) that if defect is found in any of supplied materials within 12 months or One year from the date of work completion shall responsible to replace the same defective materials at their own cost.

All other Terms & Conditions as per the attached copy of conditions duly signed jointly of BCRCP College authority and M/s. Aparajita solar

BIDYUT KUMAR SAHA
Prepared By

J.SINGH
Approved By

Receipt By

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences
DURGAPUR

	40W	B.Pharm 36W	11W	Exeed - 5 Nos. 20W	
1st Ful-	TUBE 76 Nos.	LED Tube	CFL 8 Nos.	AC 2 No.	FAN 57 Nos. Ex - 6 No.
2nd Ful	83 Nos.		14 Nos.	3 Nos.	45 No. Ex - 3
3rd Ful-	77 Nos.	2 No.	6 No.	9 No.	52 Nos.
G.F -	32 Nos.	63 Nos.	21 Nos.	3 Nos. +1 Nos.	~~3 Nos.~~ 41 Nos. WF - 3 Nos.
M.Pharm G.F -	17 Nos.	DEEP FREEZER - 1 No.	6 Nos.	3 Nos.	14 Nos.
1st Ful-	15 Nos.		3 Nos.		15 Nos.
2nd Ful-	15 Nos.		3 Nos.		16 Nos. WF - 1 No.
3rd Ful-	12 Nos.				18 Nos.
	327 Nos.	65 Nos.	61 No.	21 Nos.	258 Nos. Ex - 13 Nos.

TAX INVOICE

(DUPLICATE FOR TRANSPORTER)

TECHNO MACHINERIES Nachan Road, Bhiringi Durgapur Cont: 9474118423/9635134552 GSTIN/UIN: 19AABFT4523E1ZD State Name : West Bengal, Code : 19 E-Mail : technodgp@yahoo.in	Invoice No. TM/812/2020-21	Dated 12-Aug-2020
	Delivery Note	Mode/Terms of Payment
	Supplier's Ref.	Other Reference(s)
Buyer DR.B.C.Roy College of Pharmacy & Allied Health Sciences Dr.Meghnad Saha Sarani,Bidhannagar, Durgapur-713206. Ph. 0343 2532879 State Name : West Bengal, Code : 19	Buyer's Order No. PO/BCRCP/00011/20.21	Dated 7-Aug-2020
	Despatch Document No.	Delivery Note Date
	Despatched through	Destination
	Terms of Delivery BOYS HOSTEL EXTENSION PART	

	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	Kirloskar KDS 550 5HP 50x40 2880 Rpm, 3PH Monoblock pump. SR NO.A20AML 000461	8413	1 Nos	19,196.00	Nos		19,196.00
	CGST						1,151.76
	SGST						1,151.76
	R/O						0.48
	Total		1 Nos				₹ 21,500.00 E. & O.E

Amount Chargeable (in words)
INR Twenty One Thousand Five Hundred Only

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
8413	19,196.00	6%	1,151.76	6%	1,151.76	2,303.52
Total	19,196.00		1,151.76		1,151.76	2,303.52

Tax Amount (in words) : INR Two Thousand Three Hundred Three and Fifty Two paise Only

Company's PAN : AABFT4523E

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details
Bank Name : UCO Bank
A/c No. : 01310210000113
Branch & IFS Code : Durgapur Main Branch & UCBA0000138

for TECHNO MACHINERIES

Authorised Signatory

SUBJECT TO DURGAPUR JURISDICTION

This is a Computer Generated Invoice

B.K. SAHA
(In-charge S&P)
Central Store
Dr. B.C. Roy College of Pharmacy & Alla
Dr. Meghnad Saha Sarani, Bidhan Nagar
Durgapur-713206, (W.B.)

GSTIN : 19AGIPR4151P1ZO

TRANSPORT

TAX INVOICE

NEW CITY ELECTRIC STORES

OPP. BANK OF BARODA, AGM SARANI ROAD, BENACHITY
DURGAPUR 713213, WEST BENGAL
Tel. : 9800824262 7001982386 email : nces.shop@gmail.com

Party Details :
DR. B.C.ROY COLLEGE OF PHARMACY & AHS
D.R. MEGHNAD SAHA SARANI,
P. DHANNAGAR
DURGAPUR 713206

GSTIN / UIN :

Invoice No.	:	NCES/457/2021-22
Dated	:	03-10-2021
Place of Supply	:	West Bengal (19)
Reverse Charge	:	N
PO. NO.	:	PO/BCRCP/00022/21-22
PO. DATE	:	01-10-2021

ONLINE PAYMENT

S.N.	Description of Goods	HSN	Qty.	Unit	Rate	CGST %	CGST Amount	SGST %	SGST Amount	Amount(₹
1.	36WATT TUBELIGHT	8539	72.00	PCS	40.00	9.00 %	259.20	9.00 %	259.20	3,398.4
2.	STARTER 20	8536	20.00	PCS	12.00	9.00 %	21.60	9.00 %	21.60	283.2
3.	6A 2PIN SOCKET	8536	70.00	PCS	25.00	9.00 %	45.00	9.00 %	45.00	590.0
4.	36/40WATT COPPER BALLAST	8504	70.00	PCS	175.00	9.00 %	315.00	9.00 %	315.00	4,130.0

Bijoyesh Saha
B. K. SAHA
(In-charge S&P)
Central Store
For B.C.Roy College of Pharmacy & Ahs
D.R. Meghnad Saha Sarani, Bidhan Nagar
Durgapur-713206, W.B.

Add : Rounded Off (+)

8,491.
0

Grand Total ₹ 8,402

Tax Rate	Taxable Amt.	CGST Amt.	SGST Amt.	Total Tax
18%	7,120.00	640.80	640.80	1,281.60

Rupees Eight Thousand Four Hundred Two Only

Bank Details : BANK OF INDIA DURGAPUR
A/C NO. 423020100000063 IFSC: BKID0004230

For NEW CITY ELECTRIC STORE

Authorised Signato

ORIGINAL

GSTIN : 19AGIPR4151P1ZO

TAX INVOICE

NEW CITY ELECTRIC STORES

OPP. BANK OF BARODA, AGM SARANI ROAD, BINACHITTY
DURGAPUR 713213; WEST BENGAL
Tel. : 9800824282 7001982386 email : nces.shop@gmail.com

Party Details :
DR. B.C.ROY COLLEGE OF PHARMACY & AHS
DR. MEGNAD SAHA SARANI,
SIDHANNAGAR
DURGAPUR 713206

GSTIN / UIN :

Invoice No.	: NCES/407/2021-22
Dated	: 15-09-2021
Place of Supply	: West Bengal (19)
Reverse Charge	: N
PO. NO.	: PO/BCRCP/00013/21-22
PO. DATE	: 14-09-2021

ONLINE PAYMENT

S.N.	Description of Goods	HSN	Qty.	Unit	Rate	CGST %	CGST Amount	SGST %	SGST Amount	Amount
1.	20WATT LED BATTEN	9405	5.00	PCS	200.00	6.00 %	60.00	6.00 %	60.00	1,180
2.	225 EXHAUST FAN	8414	1.00	PCS	1,105.00	9.00 %	99.45	9.00 %	99.45	1,303
3.	STARTER T L	8536	50.00	PCS	12.00	9.00 %	54.00	9.00 %	54.00	708
4.	6A SOCKET	8536	20.00	PCS	14.00	9.00 %	25.20	9.00 %	25.20	330
5.	16A PIN TOP	8536	10.00	PCS	60.00	9.00 %	54.00	9.00 %	54.00	708
6.	6A PIN TOP	8536	10.00	PCS	41.00	9.00 %	36.90	9.00 %	36.90	483
7.	REGULATOR 1MODULAR STEP	8414	10.00	PCS	212.00	9.00 %	190.80	9.00 %	190.80	2,501
8.	2/1/0 TWIN TWISTED COPPER FLEX. WIRE	8544	1.00	ROLL	551.00	9.00 %	49.59	9.00 %	49.59	650
										7,805
	Add : Rounded Off (-)									
									Grand Total ₹	7,800

Tax Rate	Taxable Amt.	CGST Amt.	SGST Amt.	Total Tax
12	1,000.00	60.00	60.00	120.00
18	5,666.00	509.94	509.94	1,019.88
Totals	6,666.00	569.94	569.94	1,139.88

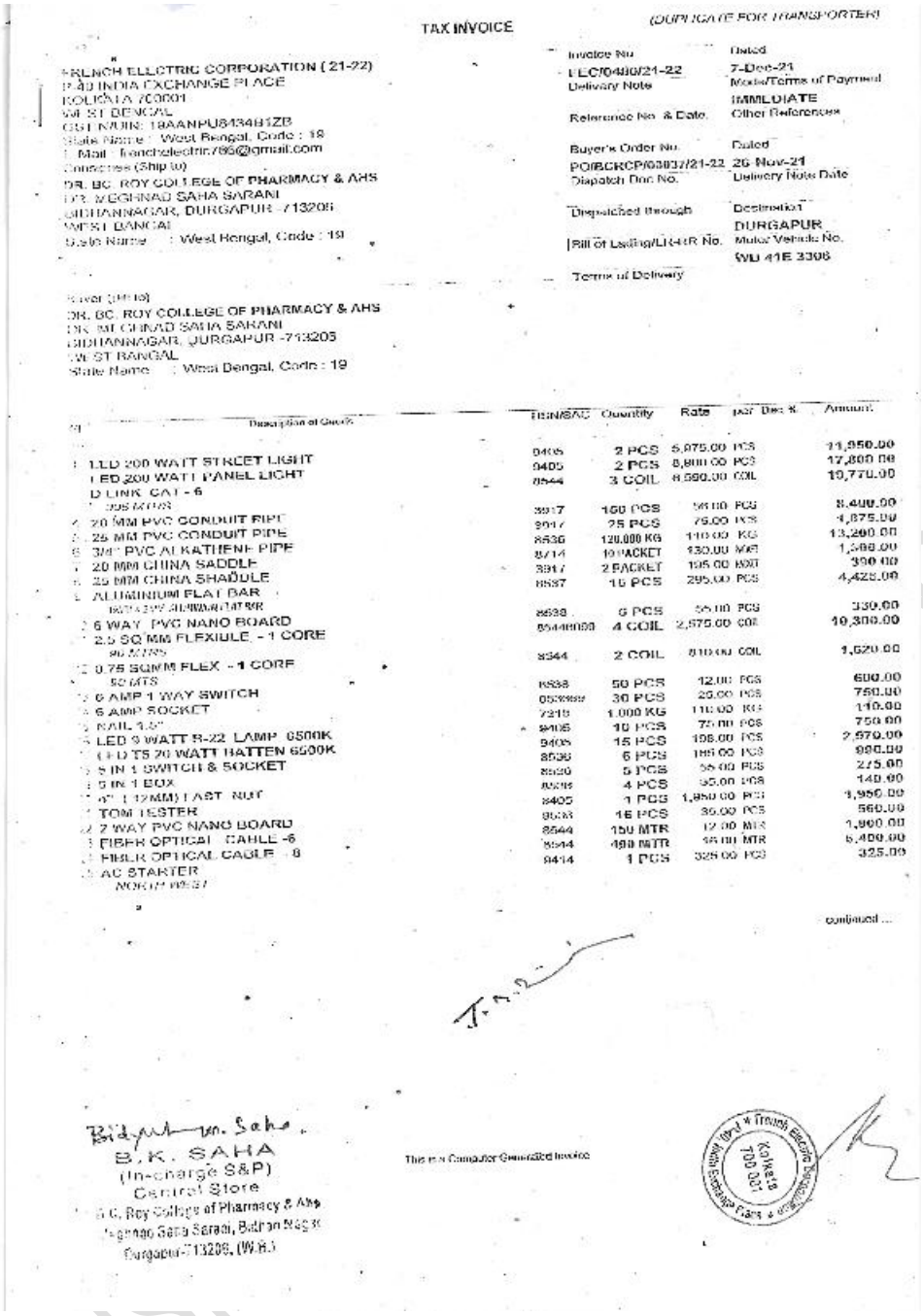
Rupees Seven Thousand Eight Hundred Six Only

Bank Details : BANK OF INDIA DURGAPUR
A/C NO. 423020100000063 IFSC- BKID0004230

B. K. SAHA
(In-charge S&P)
Central Store
Dr.B.C. Roy College of Pharmacy & Ahs
Dr. Meghnad Saha Sarani, Sidhan Nagar
Durgapur-713206, (W.B.)

For NEW CITY ELECTRIC STORE

Authorised Signatory



TAX INVOICE

(DUPLICATE FOR TRANSPORTER)

FRENCH ELECTRIC CORPORATION (21-22)
P-40 INDIA EXCHANGE PLACE
KOLKATA -700001
WEST BENGAL
GST N/DIN: 19AANPU8434B1ZB
State Name : West Bengal, Code : 19
E-Mail : frenchelectric786@gmail.com

Consignee (Ship to)
DR. BC. ROY COLLEGE OF PHARMACY & AHS
DR. MEGHNAD SAHA SARANI
DURGANNAGAR, DURGAPUR -713206
WEST BANGAL
State Name : West Bengal, Code : 19

Buyer (Bill to)
DR. BC. ROY COLLEGE OF PHARMACY & AHS
DR. MEGHNAD SAHA SARANI
DURGANNAGAR, DURGAPUR -713205
WEST BANGAL
State Name : West Bengal, Code : 19

Invoice No.	Dated
FEC/0480/21-22	7-Dec-21
Delivery Note	Mode/Terms of Payment
	IMMEDIATE
Reference No. & Date.	Other References
Buyer's Order No.	Dated
PO/BCRCP/0303/21-22	26-Nov-21
Dispatch Doc No.	Delivery Note Date
Dispatched through	Destination
	DURGAPUR
Bill of Lading/LR-RR No.	Motor Vehicle No.
	WB 41E 3308
Terms of Delivery	

Sl	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	LED 200 WATT STREET LIGHT	9405	2 PCS	5,975.00	PCS		11,950.00
	LED 200 WATT PANEL LIGHT	9405	2 PCS	8,900.00	PCS		17,800.00
	D LINK CAT - 6	8544	3 COIL	8,590.00	COIL		10,770.00
	305 MTRS						
2	20 MM PVC CONDUIT PIPE	3917	160 PCS	56.00	PCS		8,400.00
3	25 MM PVC CONDUIT PIPE	3917	25 PCS	75.00	PCS		1,875.00
4	3/4" PVC ALKATHENE PIPE	8536	120.000 KG	110.00	KG		13,200.00
5	20 MM CHINA SADDLE	8514	10 PACKET	130.00	NOS		1,300.00
6	25 MM CHINA SHADDLE	8317	2 PACKET	195.00	NOS		390.00
7	ALUMINIUM FLAT BAR	8537	15 PCS	295.00	PCS		4,425.00
	(WITH 2MY ALUMINIUM FLAT BAR						
8	6 WAY PVC NANO BOARD	8538	6 PCS	55.00	PCS		330.00
9	2.5 SQ MM FLEXIULE - 1 CORE	85448090	4 COIL	2,575.00	COIL		10,300.00
	90 MTRS						
10	0.75 SQ/M FLEX - 1 CORE	8544	2 COIL	810.00	COIL		1,620.00
	50 MTS						
11	6 AMP 1 WAY SWITCH	8538	50 PCS	12.00	PCS		600.00
12	6 AMP SOCKET	0536990	30 PCS	25.00	PCS		750.00
13	NAIL 3.5"	7215	1.000 KG	110.00	KG		110.00
14	LED 9 WATT B-22 LAMP 6500K	9405	10 PCS	75.00	PCS		750.00
15	LED T5 20 WATT BATTEN 6500K	9405	15 PCS	186.00	PCS		2,970.00
16	5 IN 1 SWITCH & SOCKET	8536	6 PCS	165.00	PCS		990.00
17	5 IN 1 BOX	8536	5 PCS	55.00	PCS		275.00
18	4" (12MM) LAST NUT	8536	4 PCS	35.00	PCS		140.00
19	TOM TESTER	8405	1 PCS	1,950.00	PCS		1,950.00
20	2 WAY PVC NANO BOARD	8538	16 PCS	35.00	PCS		560.00
21	FIBER OPTICAL CABLE -6	8544	150 MTR	12.00	MTR		1,800.00
22	FIBER OPTICAL CAGLE - 8	8544	480 MTR	45.00	MTR		6,480.00
23	AC STARTER	8414	1 PCS	325.00	PCS		325.00
	NOS(1) WEST						

continued ...

B.K. SAHA
(In-charge S&P)
Central Store
B.C. Roy College of Pharmacy & AHs
Dr. Meghnad Saha Sarani, Bidhan Nagar
Durgapur-713206, (W.B.)

This is a Computer Generated Invoice

French Electric Corporation Kolkata 700 001

Energy Efficient Equipment Details

amazon.in

Details for Order #403-6844727-8046738

Print this page for your records.

Order Placed: 14 January 2022
Amazon.in order number: 403-6844727-8046738
Order Total: 2,400.00

Not Yet Dispatched

Items Ordered	Price
1 of: *My Green Bin LIVE CLEAN GO GREEN Creating wealth from waste Green rich Organic Composter 25 ltrs + 1 Bag Microbes (5 ltrs) - Convert Kitchen Waste to Manure* Sold by: Wintech Square (seller profile) New Serial Number:	2,400.00

Delivery Address:
SAGAR SENGUPTA
Dr. B. C. Roy College of Pharmacy & AHS
Dr. Meghnad Saha Sarani
DURGAPUR, WEST BENGAL 713212
India

Delivery Option:
Standard Delivery

Payment information

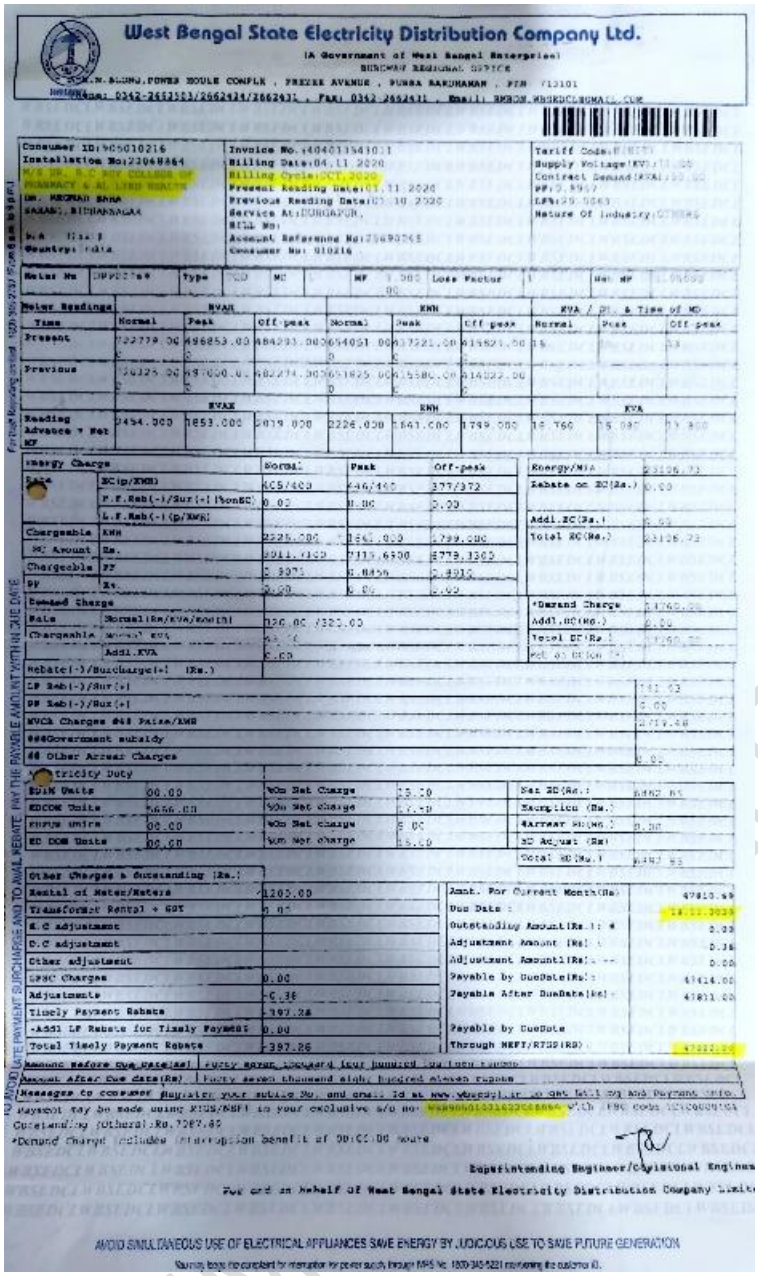
Payment Method:
Visa | Last digits: 4471
Amazon Pay balance

Billing Address:
SAGAR SENGUPTA
Dr. B. C. Roy College of Pharmacy & AHS
Dr. Meghnad Saha Sarani
DURGAPUR, WEST BENGAL 713212
India

Item(s) Subtotal:	2,400.00
Shipping:	0.00
Total:	2,400.00
Grand Total:	**2,400.00**

To view the status of your order, return to Order Summary.

Please note: this is not a GST invoice.



West Bengal State Electricity Distribution Company Ltd.

(A Government of West Bengal Enterprise)

BURDWAN REGIONAL OFFICE

G.T.R.N.BLDNG.,POWER HOUSE COMPLX , FREEZE AVENUE , BURDWAN BARDHAMAN , PIN 713101

Phone(s): 0342-2662561/2662424/2662431 , Fax: 0342 2662431 , Email: BWRON.WBSEDCL@GMAIL.COM

Consumer ID:900010216
Installation No:230048864
M/S SR. B.C.ROY COLLEGE OF PHARMACY & AH, DURGAPUR
DR. MEGHNAD SAHA
SARANI, BIDHANNAGAR
Pin : [illegible]
Country: India

Invoice No.:4040113430:1
Billing Date:04.11.2020
Billing Cycle:OCT.2020
Present Reading Date:01.11.2020
Previous Reading Date:05.10.2020
Service At:DURGAPUR,
Bill No:
Account Reference No:230900565
Consumer No: 910216

Tariff Code:[illegible]
Supply Voltage(KV):[illegible]
Contract Demand(KVA):[illegible]
PF:0.9997
LF%:29.0063
Nature Of Industry:OTHERS

Meter No	DP9027e8	Type	CD	MC		MF 1.000 00	Loss Factor	1	Net MF	1.05000

Meter Readings	KVAH			KWH			KVA / PF & Time of MD		
Time	Normal	Peak	Off-peak	Normal	Peak	Off-peak	Normal	Peak	Off-peak
Present	722779.00 C	496853.00 C	484233.00 C	3654051.00 D	837221.00 E	615821.00 E	15		33
Previous	716325.00 C	489000.00 C	482274.00 C	3651825.00 D	835580.00 E	614022.00 E			
	KVAH			KWH			KVA		
Reading Advance + Net MF	0454.000	7853.000	2019.000	2226.000	1641.000	1799.000	15.760	15.080	33.800

Energy Charge		Normal	Peak	Off-peak
Rate	EC(p/KWH)	405/405	446/446	377/377
	F.F.Reb(-)/Sur(+) (NonSC)	0.00	0.00	0.00
	L.F.Reb(-)(p/KWH)			
Chargeable	KWH	2226.000	1641.000	1799.000
EC Amount	Rs.	9014.130	7319.6500	6778.1385
Chargeable	PF	0.9975	0.8456	0.4910
PF	Rs.	0.00	0.00	0.00

Demand Charge		
Rate	Normal(Rs/KVA/Month)	190.00 /320.00
Chargeable	Normal KVA	33.76
	Addl.KVA	0.00

Energy/MTA	23126.73
Rebate on EC(Rs.)	0.00
Addl.EC(Rs.)	0.00
Total EC(Rs.)	23126.73
*Demand Charge	6760.00
Addl.DC(Rs.)	0.00
Total DC(Rs.)	6760.00
PFC on DC(Rs.)	

Rebate(-)/Surcharge(+) (Rs.)	
LF Reb(-)/Sur(+)	741.53
PF Reb(-)/Sur(+)	0.00
MVCA Charges @48 Paise/KWH	2719.68
###Government subsidy	
## Other Arrear Charges	0.00

Electricity Duty					
KWH Units	00.00	%On Net Charge	15.00	Net ED(Rs.)	6882.85
KVAH Units	9666.00	%On Net Charge	15.00	Exemption (Rs.)	
PF/PH Units	00.00	%On Net Charge	0.00	Arrear ED(Rs.)	0.00
ED DOM Units	00.00	%On Net Charge	15.00	ED Adjust (Rs)	
				Total ED(Rs.)	6882.85

Other Charges & Outstanding (Rs.)	
Rental of Meter/Meters	1200.00
Transformer Rental + GST	0.00
E.C adjustment	
D.C adjustment	
Other adjustment	
LPSC Charges	0.00
Adjustments	-0.38
Timely Payment Rebate	-397.26
-Addl LF Rebate for Timely Payment	0.00
Total Timely Payment Rebate	-397.26

Amnt. For Current Month(Rs)	47810.58
Due Date :	18.11.2020
Outstanding Amount(Rs.): #	0.00
Adjustment Amount (Rs) :	0.38
Adjustment Amount1(Rs) : --	0.00
Payable by DueDate(Rs):	47414.00
Payable After DueDate(Rs) :	47811.00
Payable by DueDate	
Through NEFT/RTGS(RS) :	47811.00

Amount before Due date(Rs) | Forty seven thousand four hundred fourteen rupees
Amount After Due date(Rs) | Forty seven thousand eight hundred eleven rupees

Messages to consumer Register your mobile No. and email Id at www.wbsedcl.in to get bill SMS and Payment info.
Payment may be made using RTGS/NEFT to your exclusive a/c no: [illegible] with IFSC code [illegible]
Outstanding (Others):Rs.7287.62
*Demand Charge includes Interruption benefit of 00:00:00 hours

Superintending Engineer/Divisional Engineer

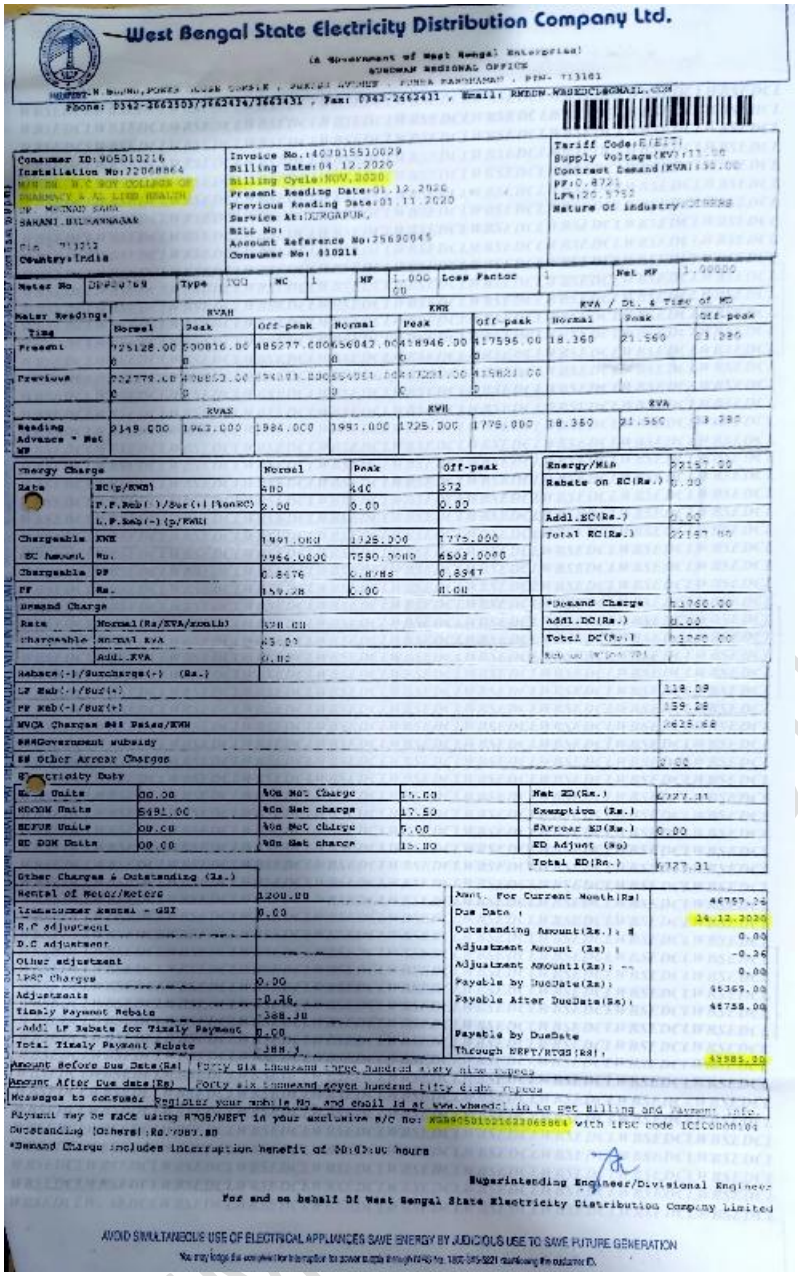
For and on behalf Of West Bengal State Electricity Distribution Company Limited

AVOID SIMULTANEOUS USE OF ELECTRICAL APPLIANCES SAVE ENERGY BY JUDICIOUS USE TO SAVE FUTURE GENERATION

You may lodge no complaint by message for power outage through SMS No. 1800345 5221 mentioning the customer ID.

Previous Reading Dated 05/10/2020

DUE DATE PAYMENT SURCHARGE AND TO AVAIL REBATE PAY THE PAYABLE AMOUNT WITHIN DUE DATE



West Bengal State Electricity Distribution Company Ltd.

(A Government of West Bengal Enterprise)

SUBURBAN REGIONAL OFFICE

[illegible] , PIN- 713101

Phone: 0342-2661503/2662434/2663431 , Fax: (0342-2662431 , Email: RMSDW.WBSEDCL@GMAIL.COM

Consumer ID:905010216
Installation No:72068864
M/S DR. B.C ROY COLLEGE OF PHARMACY & AL LIED HEALTH
DP MOHAD SAHA
SAHANI.BILKANNAGAR
Pin 713212
Country:India

Invoice No.:403015510029
Billing Date:04.12.2020
Billing Cycle:NOV,2020
Present Reading Date:01.12.2020
Previous Reading Date:01.11.2020
Service At:DURGAPUR.
Bills No:
Account Reference No:25690045
Consumer No: 810216

Tariff Code:E(ETT)
Supply Voltage(KV):11.00
Contract Demand(KVA):500.00
PF:0.8721
LF%:25.5752
Nature Of Industry:COMMER

Meter No	DP820769	Type	TOD	MC	1	MF	1.000	Loss Factor	1	Net MF	1.00000

Meter Readings	KVAH			KWH			KVA / Dt. & Time of MD		
Time	Normal	Peak	Off-peak	Normal	Peak	Off-peak	Normal	Peak	Off-peak
Present	725128.00 0	530816.00 0	485277.000	456042.00 0	418946.00 0	417595.00 0	18.360	21.560	03.280
Previous	722778.00 0	528853.00 0	483191.000	454061.00 0	417201.00 0	415823.00 0			
	KVAH			KWH			KVA		
Reading Advance + Net MF	9149.000	1963.000	1984.000	1981.000	1725.000	1772.000	18.360	21.560	03.280

Energy Charge		Normal	Peak	Off-peak
Rate	EC(p/KWH)	480	640	372
	F.P.Reb(-)/Sur(+)[on EC]	0.00	0.00	0.00
	L.P.Reb(-)(p/KWH)			
Chargeable	KWH	1991.000	1725.000	1772.000
EC Amount	Rs.	9564.0000	7590.0000	6593.0000
Chargeable	PF	0.8676	0.8786	0.8947
PF	Rs.	159.28	0.00	0.00

Demand Charge		
Rate	Normal(Rs/KVA/month)	420.00
Chargeable	Normal KVA	18.00
	Addl.KVA	0.00

Energy/MIA	22157.00
Rebate on EC(Rs.)	0.00
Addl.EC(Rs.)	0.00
Total EC(Rs.)	22157.00
*Demand Charge	13760.00
Addl.DC(Rs.)	0.00
Total DC(Rs.)	13760.00

Rebate(-)/Surcharge(+) (Rs.)	
LF Reb(-)/Sur(+)	118.09
PF Reb(-)/Sur(+)	159.28
MVCA Charges @41 Paise/KWH	2625.68
###Government subsidy	
## Other Arrear Charges	0.00

Electricity Duty					
Normal Units	00.00	@0% Net Charge	00.00	Net ED(Rs.)	6727.31
NDOOM Units	6481.00	@0% Net charge	17.50	Exemption (Rs.)	
NDFUR Units	00.00	@0% Net charge	7.00	#Arrear ED(Rs.)	0.00
ND DOM Units	00.00	@0% Net charge	15.00	ED Adjust (Rs)	
				Total ED(Rs.)	6727.31

Other Charges & Outstanding (Rs.)	
Rental of Meter/Meters	1200.00
Transformer Rental + GST	0.00
R.C adjustment	
D.C adjustment	
Other adjustment	
IPSC Charges	0.00
Adjustments	-0.36
Timely Payment Rebate	-388.30
Addl LF Rebate for Timely Payment	0.00
Total Timely Payment Rebate	-388.3

Amount For Current Month(Rs)	46757.34
Due Date :	14.12.2020
Outstanding Amount(Rs.): #	0.00
Adjustment Amount (Rs) :	-0.36
Adjustment Amount1(Rs): --	0.00
Payable by DueDate(Rs):	46369.00
Payable After DueDate(Rs):	46758.00
Payable by DueDate Through RTGS/NEFT(Rs):	46385.00

Amount Before Due Date(Rs) Forty six thousand three hundred sixty nine rupees

Amount After Due date(Rs) Forty six thousand seven hundred fifty eight rupees

Messages to consumer Register your mobile No. and email id at www.wbsedcl.in to get Billing and Payment info.

Payment may be made using RTGS/NEFT in your exclusive A/C No: [illegible] with IFSC code ICIC0000104

Outstanding [Others] :Rs.7089.88

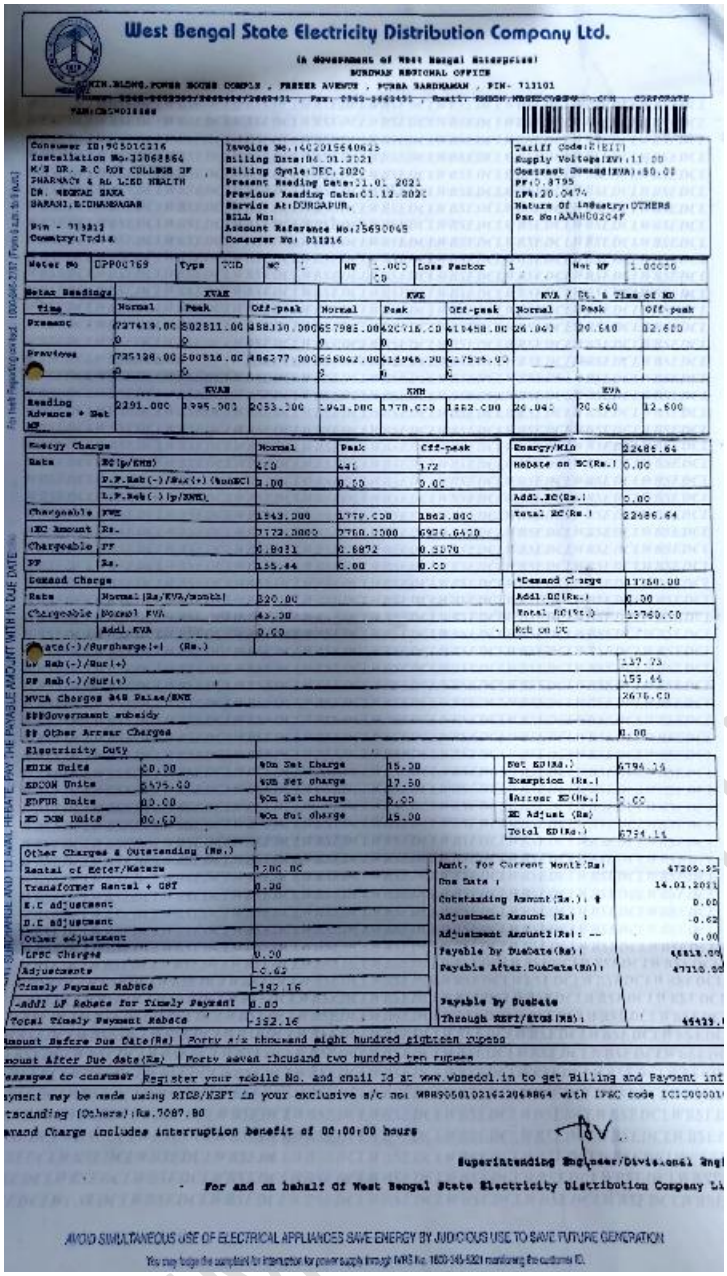
*Demand Charge includes interruption benefit of 00:03:00 hours

Superintending Engineer/Divisional Engineer

For and on behalf Of West Bengal State Electricity Distribution Company Limited

AVOID SIMULTANEOUS USE OF ELECTRICAL APPLIANCES SAVE ENERGY BY JUDICIOUS USE TO SAVE FUTURE GENERATION

You may lodge the complaint for interruption to power supply through IVRS no. 1800 345 5221 quoting the customer ID.



West Bengal State Electricity Distribution Company Ltd.

(A Government of West Bengal Enterprise)

BURDWAN REGIONAL OFFICE

[illegible] , POWER HOUSE COMPLX , PRESSER AVENUE , PURBA BARDHAMAN , PIN- 713101

[illegible] Fax: 0342-2663451 , Email: [illegible] CIN [illegible]

Consumer ID:905010316 Installation No:33068864 M/S DR. B.C ROY COLLEGE OF PHARMACY & AH ICSD HEALTH DR. MEGHAD SAHA DURGAPUR,BURDWAN Pin - 713212 Country:India	Invoice No.:402015640625 Billing Date:06.01.2021 Billing Cycle:DEC,2020 Present Reading Date:01.01.2021 Previous Reading Date:01.12.2020 Service At:DURGAPUR, BILL No: Account Reference No:75690065 Consumer No: 011216		Tariff Code:HEIT) Supply Voltage(KV):11.00 Contract Demand(KVA):50.00 PF:0.8795 LF%:20.0474 Nature Of Industry:OTHERS Pan No:AAAHD0204F

Meter No	DPP00769	Type	TOD	MC	1	MF	1.000 CD	Loss Factor	1	Net MF	1.00000

Meter Readings	KVAH			KWH			KVA / Dt. & Time of MD		
Time	Normal	Peak	Off-peak	Normal	Peak	Off-peak	Normal	Peak	Off-peak
Present	727419.00 0	502811.00 0	458130.000	557985.00 0	420716.00 0	418458.00 0	26.040	20.640	12.600
Previous	725128.00 0	500816.00 0	456277.000	556042.00 0	418946.00 0	417528.00 0			
	KVAH			KWH			KVA		
Reading Advance + Net MF	2291.000	1995.001	2053.100	1943.000	1770.000	1552.000	26.040	20.640	12.600

Energy Charge		Normal	Peak	Off-peak
Rate	EC(p/KWH)	470	441	172
	F.P.Sub(-)/Sur(+) (%onEC)	0.00	0.00	0.00
	L.F.Sub(-)(p/KWH)			
Chargeable	KWH	1943.000	1770.000	1862.000
EC Amount	Rs.	9132.8060	7798.2000	6926.6420
Chargeable	PF	0.8831	0.8872	0.9270
PF	Rs.	155.44	0.00	0.00

Energy/KLG	22686.84
Rebate on EC(Rs.)	0.00
Addl.EC(Rs.)	0.00
Total EC(Rs.)	22686.84

Demand Charge		
Rate	Normal (Rs/KVA/month)	320.00
Chargeable	Normal KVA	49.00
	Addl.KVA	0.00

*Demand Charge	17680.00
Addl.DC(Rs.)	0.00
Total DC(Rs.)	15760.00
Reb on DC	

Rate(-)/Surcharge(+) (Rs.)	
LF Reb(-)/Sur(+)	117.73
PF Reb(-)/Sur(+)	153.44
MVCA Charges 848 Paisa/KWH	2676.00
$$$Government subsidy	
$$ Other Arrear Charges	0.00

Electricity Duty					
EDIK Units	28.00	%on Net Charge	15.00	Net ED(Rs.)	4794.14
EDCON Units	5575.00	%on Net charge	17.50	Exemption (Rs.)	
EDPUR Units	00.00	%on Net charge	0.00	Arrear ED(Rs.)	0.00
ED DEN Units	00.00	%on Net charge	15.00	ED Adjust (Rs)	
				Total ED(Rs.)	4794.14

Other Charges & Outstanding (Rs.)	
Rental of Meter/Meters	1200.00
Transformer Rental + GST	0.00
E.C adjustment	
D.C adjustment	
Other adjustment	
LPSC Charges	0.00
Adjustments	-0.62
Timely Payment Rebate	-192.16
Addl LF Rebate for Timely Payment	0.00
Total Timely Payment Rebate	-192.16

Amnt. For Current Month(Rs)	47209.92
Due Date :	14.01.2021
Outstanding Amount(Rs.): @	0.00
Adjustment Amount (Rs) :	-0.62
Adjustment Amount2(Rs): --	0.00
Payable By DueDate(Rs):	47018.92
Payable After DueDate(Rs):	47210.00
Payable By DueDate	
Through NEFT/RTGS(Rs):	46429.00

Amount Before Due Date(Rs) | Forty six thousand eight hundred eighteen rupees

Amount After Due date(Rs) | Forty seven thousand two hundred ten rupees

Messages to customer | Register your mobile No. and email Id at www.wbsedcl.in to get Billing and Payment int

Payment may be made using RTGS/NEFT in your exclusive a/c no: WBH90501021622068864 with IFSC code ICIC000

Outstanding (Others):Rs.7087.80

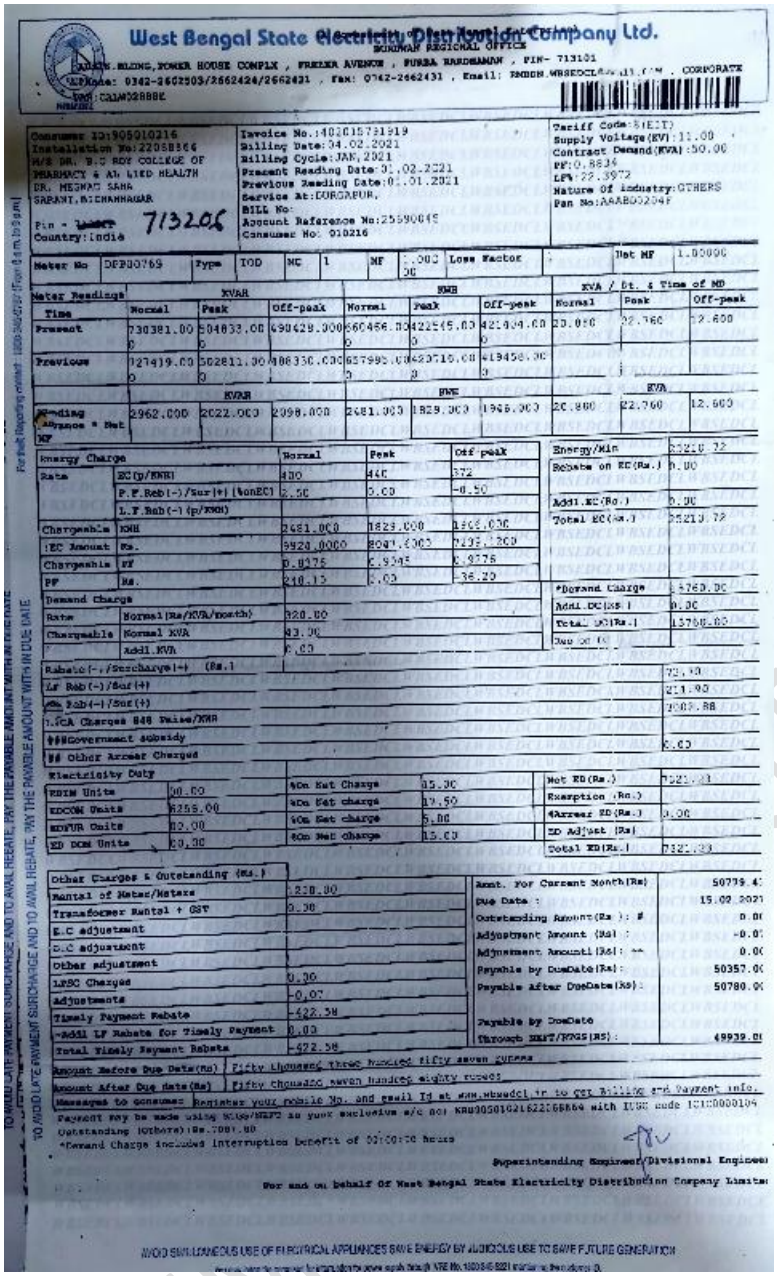
Demand Charge includes interruption benefit of 00:00:00 hours

Superintending Engineer/Divisional Engi

For and on behalf of West Bengal State Electricity Distribution Company Li

AVOID SIMULTANEOUS USE OF ELECTRICAL APPLIANCES SAVE ENERGY BY JUDICIOUS USE TO SAVE FUTURE GENERATION

You may lodge the complaint for interruption for power supply through IVRS No. 1800-345-5321 mentioning the customer ID.



West Bengal State Electricity Distribution Company Ltd.
BONGAON REGIONAL OFFICE
ADMIN. BLDG, POWER HOUSE COMPLX , FREZER AVENUE , PURBA BARDHAMAN , PIN- 713101
Phone: 0342-2602303/2662424/2662421 , Fax: 0342-2662431 , Email: RMBON.WBSEDCL@GMAIL.COM , CORPORATE
Fax: CALM328886

Consumer ID:1905010216
Installation No:220588866
M/S DR. B.C ROY COLLEGE OF PHARMACY & AH LIED HEALTH
DR. MESMAT SAHA
SARANI,BIDHANNAGAR
Pin - 713206
Country:India

Invoice No.:403015791919
Billing Date:04.02.2021
Billing Cycle:JAN,2021
Present Reading Date:01.02.2021
Previous Reading Date:01.01.2021
Service At:DURGAPUR.
BILL No:
Account Reference No:25590045
Consumer No: 010216

Tariff Code:51(ELT)
Supply Voltage(KV):11.00
Contract Demand(KVA):50.00
PF:0.8834
LF%:22.3972
Nature of Industry:OTHERS
Pan No:AAABG0204F

Meter No	DPB00769	Type	TOD	MC	1	MF	1.000	Loss Factor	1.00	Net MF	1.00000

Meter Readings	KVAH			KWH			KVA / Dt. & Time of MD		
Time	Normal	Peak	Off-peak	Normal	Peak	Off-peak	Normal	Peak	Off-peak
Present	730381.00	504833.00	690429.000	660456.00	422505.00	421804.00	20.080	22.760	12.800
	0	0	0	0	0	0			
Previous	727419.00	502811.00	688330.000	657990.00	420710.00	419458.00			
	0	0	0	0	0	0			
	KVAH			KWH			KVA		
Reading Difference * Mult MF	2962.000	2022.000	2098.000	2481.000	1829.000	1965.000	20.080	22.760	12.800

Energy Charge		Normal	Peak	Off peak
Rate	EC(p/KWH)	430	440	372
	F.F.Reb(-)/Sur(+)(%onEC)	2.50	0.00	-0.50
	L.F.Reb(-)(p/KWH)			
Chargeable	KWH	2481.000	1829.000	1965.000
EC Amount	Rs.	9920.0000	8047.6000	7235.1900
Chargeable	PF	0.8375	0.8345	0.8375
PF	Rs.	210.15	0.00	-36.20
Demand Charge				
Rate	Normal(Rs/KVA/month)	320.00		
Chargeable	Normal KVA	43.00		
	Addl.KVA	0.00		

Energy/Min	25219.72
Rebate on EC(Rs.)	0.00
Addl.EC(Rs.)	0.00
Total EC(Rs.)	25219.72
*Demand Charge	13760.00
Addl.DC(Rs.)	0.00
Total DC(Rs.)	13760.00
Due DC (Rs.)	

Rebate(-)/Surcharge(+) (Rs.)	72.40
LF Reb(-)/Sur(+)	211.00
PF Reb(-)/Sur(+)	7003.88
1.FCA Charges 848 Paise/KWH	
***Government subsidy	0.00
## Other Arrear Charged	

Electricity Duty					
RBDM Units	00.00	%On Nat Charge	05.00	Net ED(Rs.)	7321.23
EDCOM Units	6256.00	%On Nat charge	07.50	Exemption (Rs.)	
EDFUR Units	02.00	%On Nat charge	5.00	#Arrear ED(Rs.)	0.00
ED DOM Units	00.00	%On Net charge	15.00	ED Adjust (Rs)	
				Total ED(Rs.)	7321.23

Other Charges & Outstanding (Rs.)	
Rental of Meter/Meters	220.80
Transformer Rental + GST	0.00
E.C adjustment	
D.C adjustment	
Other adjustment	
LPSC Charged	0.00
Adjustments	-0.07
Timely Payment Rebate	-422.58
+Addl LF Rebate for Timely Payment	0.00
Total Timely Payment Rebate	-672.58

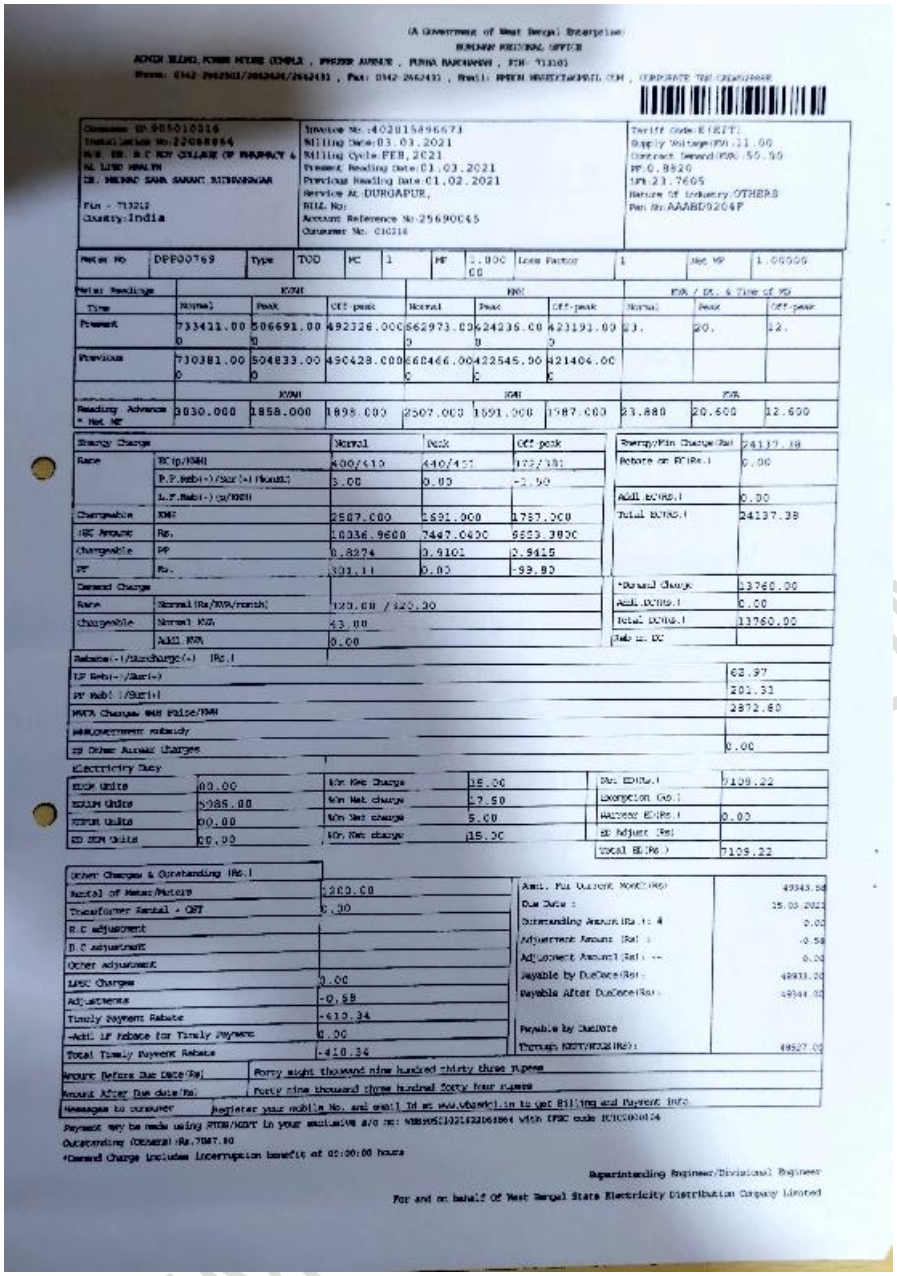
Amnt. For Current Month(Rs)	50779.4
Due Date :	15.02.2021
Outstanding Amount(Rs): #	0.00
Adjustment Amount (Rs) :	-0.07
Adjustment Amount(Rs): **	0.00
Payable by DueDate(Rs):	50357.00
Payable After DueDate(Rs):	50780.00
Payable by DueDate Through NEFT/RTGS(Rs):	49939.00

Amount Before Due Date(Rs) : Fifty thousand three hundred fifty seven rupees
Amount After Due date(Rs) : Fifty thousand seven hundred eighty rupees
Messages to consumer : Register your mobile No. and email Id at www.wbsedcl.in to get Billing and Payment info.
Payment may be made using NEFT/RTGS in your exclusive a/c no: KRWB0501021622168864 with IFSC code ICIC0000104
Outstanding (Others):Rs.7001.80
*Demand Charge includes Interruption benefit of 00:00:00 hours

Superintending Engineer/Divisional Engineer
For and on Behalf Of West Bengal State Electricity Distribution Company Limited

AVOID SIMULTANEOUS USE OF ELECTRICAL APPLIANCES SAVE ENERGY BY JUDICIOUS USE TO SAVE FUTURE GENERATION

TO AVOID LATE PAYMENT SURCHARGE AND TO AVAIL REBATE, PAY THE PAYABLE AMOUNT WITHIN DUE DATE
For Bulk Reading contact : 1800-345-6757 (Toll free 8 a.m. to 8 p.m.)



(A Government of West Bengal Enterprise)

BURDWAN REGIONAL OFFICE

ADMIN BLDG, POWER HOUSE COMPLX , PRADIP AVENUE , PURBA BARDHAMAN , PIN- 713103

Phone: 0342 2662501/2662430/2662431 , Fax: 0342 2662431 , Email: MMEN.HOUSETAX@WBSEB.COM , CORPORATE TAX IDENTIFICATION#

Consumer ID:905010316
Installation No:22088864
M/S DR. B C ROY COLLEGE OF PHARMACY & AL LIED HEALTH
DR. MEGHNAD SAHA SARANI BIDHANNAGAR

Pin - 713212
Country:India

Invoice No.:402015896671
Billing Date:03.03.2021
Billing Cycle:FEB,2021
Present Reading Date:01.03.2021
Previous Reading Date:01.02.2021
Service At:DURGAPUR,
BILL No:
Account Reference No:25690045
Consumer No. 010316

Tariff Code:E(HTT)
Supply Voltage(KV):11.00
Contract Demand(KVA):55.00
PF:0.8820
LF%:23.7605
Nature Of Industry:OTHERS
Pan No:AAABD0204F

Meter No	DPB00769	Type	TOD	MC	1	MF	1.000 00	Loss Factor	1	Net MF	1.00000

Meter Readings	KWH			KVAH			KVA / PF. & Time of MD		
Time	Normal	Peak	Off-peak	Normal	Peak	Off-peak	Normal	Peak	Off-peak
Present	733411.00 0	506691.00 0	492326.000	662973.00 0	424235.00 0	423191.00 0	23.	20.	22.
Previous	730381.00 0	504833.00 0	490428.000	660466.00 0	422545.00 0	421404.00 0			
Reading Advance * Net MF	KWH 3030.000	1858.000	1898.000	KVAH 2507.000	1691.000	1987.000	KVA 23.880	20.600	22.600

Energy Charge		Normal	Peak	Off-peak
Rate	EC(p/KWH)	400/410	440/451	373/381
	F.P.Reb(-)/Sur(+)(Month)	5.00	0.00	-2.50
	L.F.Reb(-)(p/KWH)			
Chargeable	KWH	2587.000	1691.000	1787.000
EC Amount	Rs.	10336.9600	7447.0400	6653.3800
Chargeable	PF	0.8274	0.9101	0.9415
PF	Rs.	301.11	0.00	-99.80

Energy/Min Charge/Rs	24137.38
Rebate on EC(Rs.)	0.00
Addl EC(Rs.)	0.00
Total EC(Rs.)	24137.38

Demand Charge		
Rate	Normal(Rs/KVA/month)	320.00 / 320.00
Chargeable	Normal KVA	43.00
	Addl KVA	0.00

+Demand Charge	13760.00
Addl DC(Rs.)	0.00
Total DC(Rs.)	13760.00
Reb on DC	

Rebate(-)/Surcharge(+) (Rs.)	
PF Reb(-)/Sur(+)	62.97
FF Reb(-)/Sur(+)	201.31
MVCA Charge: 848 Paise/KWH	2872.80
Reimbursement subsidy	
Other Arrear Charges	0.00

Electricity Duty

ED@ Units	00.00	ED@ Fix Charge	15.00	Tot ED(Rs.)	7109.22
ED@4% Units	5086.00	ED@ Var Charge	17.50	Exemption Cd.)	
ED@1% Units	00.00	ED@ Fix charge	5.00	Rebate ED(Rs.)	0.00
ED @0% Units	00.00	ED@ Var charge	15.00	ED Adjust (Rs)	
				Total ED(Rs.)	7109.22

Other Charges & Outstanding (Rs.)	
Rental of Meter/Meters	200.00
Transformer Rental + GST	0.30
B.C adjustment	
D.C adjustment	
Other adjustment	
LPSC Charges	0.00
Adjustments	-0.58
Timely Payment Rebate	-410.34
-Addl LF Rebate for Timely Payment	0.00
Total Timely Payment Rebate	-410.34

Amt. Pay Current Month(Rs)	49343.58
Due Date :	15.03.2021
Outstanding Amount(Rs.): #	0.00
Adjustment Amount (Rs) :	-0.58
Adjustment Amount(Rs) : --	0.00
Payable by DueDate(Rs) :	48933.00
Payable After DueDate(Rs) :	49344.00
Payable by DueDate through NEFT/RTGS(Rs):	48527.00

Amount Before Due Date(Rs)	Forty eight thousand nine hundred thirty three rupees
Amount After Due date(Rs)	Forty nine thousand three hundred forty four rupees
Messages to consumer	Register your mobile No. and email Id at www.wbsedcl.in to get Billing and Payment info

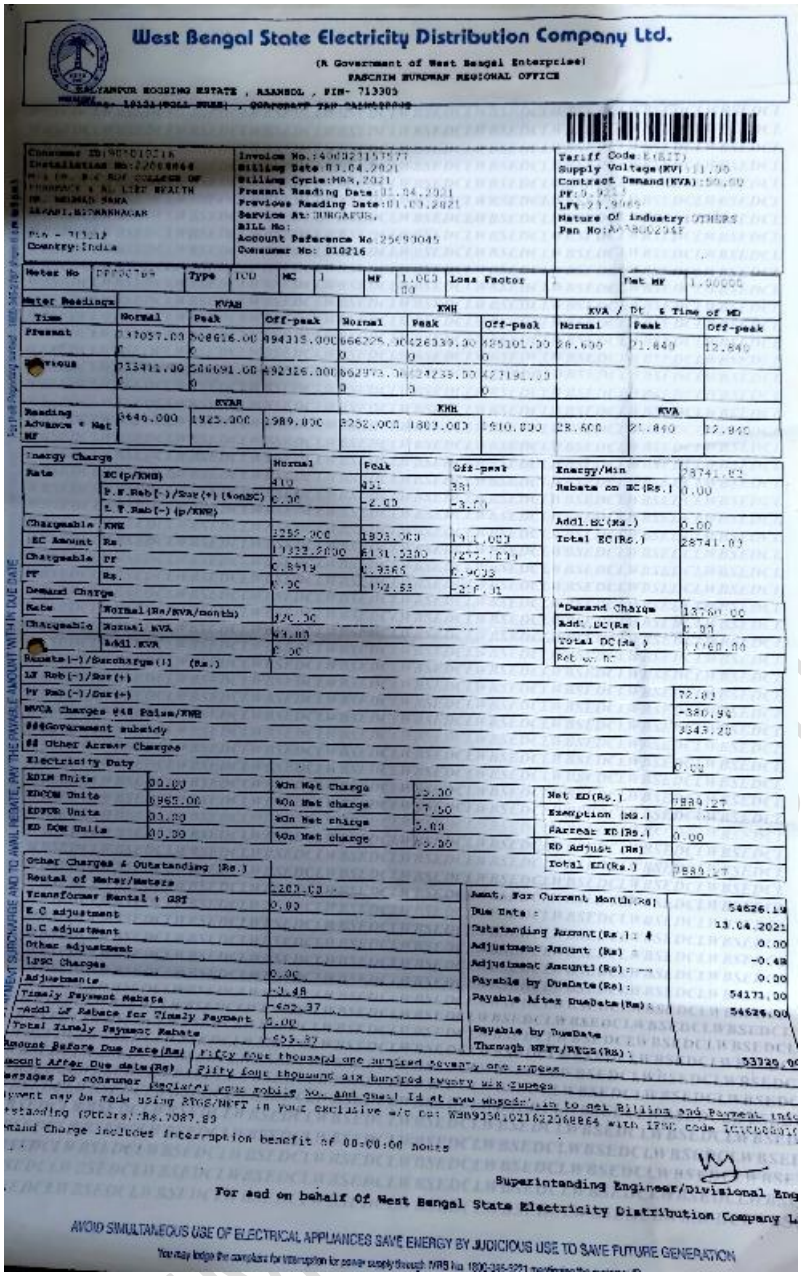
Payment may be made using NEFT/RTGS in your account a/c no: 40850510216210686 with IFSC code ICIC0000134

Outstanding (DEShare):Rs.7087.80

*Demand Charge includes Interruption benefit of 00:00:00 hours

Superintending Engineer/Divisional Engineer

For and on behalf Of West Bengal State Electricity Distribution Company Limited



West Bengal State Electricity Distribution Company Ltd.

(A Government of West Bengal Enterprise)

PASCHIM BURDWAN REGIONAL OFFICE

KALYANPUR HOUSING ESTATE , ASANSOL , PIN- 713303

[redacted]

Consumer ID:900010216
Installation No:220684864
M/S [redacted]
[redacted]
ASANSOL,BURDWANDAGAR
Pin - 713213
Country:India

Invoice No.:4000215757?
Billing Date:03.04.2021
Billing Cycle:MAR,2021
Present Reading Date:01.04.2021
Previous Reading Date:01.03.2021
Service At:DURGAPUR.
BILL No:
Account Reference No:25693045
Consumer No: 010216

Tariff Code:E(BIT)
Supply Voltage(KV):11.00
Contract Demand(KVA):500.00
PF:0.9[illegible]
LF%:21.9[illegible]
Nature Of Industry:OTHERS
Pan No:A[illegible]F

Meter No	[illegible]	Type	TOD	MC	1	MF	1.000	Loss Factor	1	Net MF	1.00000

Meter Readings	KVAH			KWH			KVA / Dt. & Time of MD		
Time	Normal	Peak	Off-peak	Normal	Peak	Off-peak	Normal	Peak	Off-peak
Present	747057.00	508616.00	894315.00	866229.00	626339.00	825101.00	28.660	21.840	12.840
Previous	733411.00	500691.00	892326.00	862973.00	624238.00	823191.00			
Reading Advance + Net MF	3440.000	1925.000	1989.000	KVAH 3256.000	KWH 1809.000	1910.000	KVA 28.800	21.840	12.840

Energy Charge		Normal	Peak	Off-peak
Rate	EC(p/KWH)	410	491	331
	F.P.Rab[-]/Sur(+) (%onEC)	0.00	-2.00	-3.00
	T.P.Rab[-] (p/KWH)			
Chargeable	KWH	3256.000	1809.000	1910.000
EC Amount	Rs	13352.9600	8181.5200	6277.6010
Chargeable	PF	0.8919	0.9365	0.9003
PF	Rs.	0.00	192.83	-376.01
Demand Charge				
Rate	Normal(Rs/KVA/month)	370.00		
Chargeable	Normal KVA	500.00		
	Addl.KVA	0.00		
Rebate[-]/Surcharge(+) (Rs.)				
LF Reb[-]/Sur(+)				
PF Reb[-]/Sur(+)				
MVCA Charges @48 Paisa/KWH				
##Government subsidy				
## Other Arrear Charges				
Electricity Duty				
EDIM Units	00.00	WOn Net Charge	15.00	
EDCOM Units	8965.00	WOn Net charge	17.50	
EDTOR Units	00.00	WOn Net charge	5.00	
ED DOM Units	00.00	WOn Net charge	00.00	

Energy/Min	28741.03
Rebate on EC(Rs.)	0.00
Addl.EC(Rs.)	0.00
Total EC(Rs.)	28741.03
*Demand Charge	13760.00
Addl.DC(Rs.)	0.00
Total DC(Rs.)	13760.00
Reb on DC	
	72.82
	-380.96
	3843.20
	0.00

Net ED(Rs.)	9889.27
Exemption (Rs.)	
Arrear ED(Rs.)	0.00
ED Adjust (Rs)	
Total ED(Rs.)	9889.27

Other Charges & Outstanding (Rs.)	
Rental of Meter/Meters	1200.00
Transformer Rental + GST	0.00
E.C adjustment	
D.C Adjustment	
Other adjustment	
LPSC Charges	
Adjustments	0.00
Timely Payment Rebate	-3.48
Addl LF Rebate for Timely Payment	-602.37
Total Timely Payment Rebate	0.00
	605.85

Amt. For Current Month(Rs)	54626.19
Due Date :	13.04.2021
Outstanding Amount(Rs.): #	0.00
Adjustment Amount (Rs)	-0.48
Adjustment Amount(Rs):	0.00
Payable by DueDate(Rs):	54171.00
Payable After DueDate(Rs):	54626.00
Payable by DueDate Through NEFT/RTGS(Rs):	53720.00

Amount Before Due Date(Rs) Fifty four thousand one hundred seventy one rupees.

Amount After Due date(Rs) Fifty four thousand six hundred twenty six rupees.

Messages to consumer [illegible] pole nobile No. and email Id at www.wbsedcl.in to get Billing and Payment info

Payment may be made using RTGS/NEFT in your exclusive a/c no: WBHO3610216220684864 with IFSC code ICIC0000010

Outstanding (Occurs):Rs.7087.89

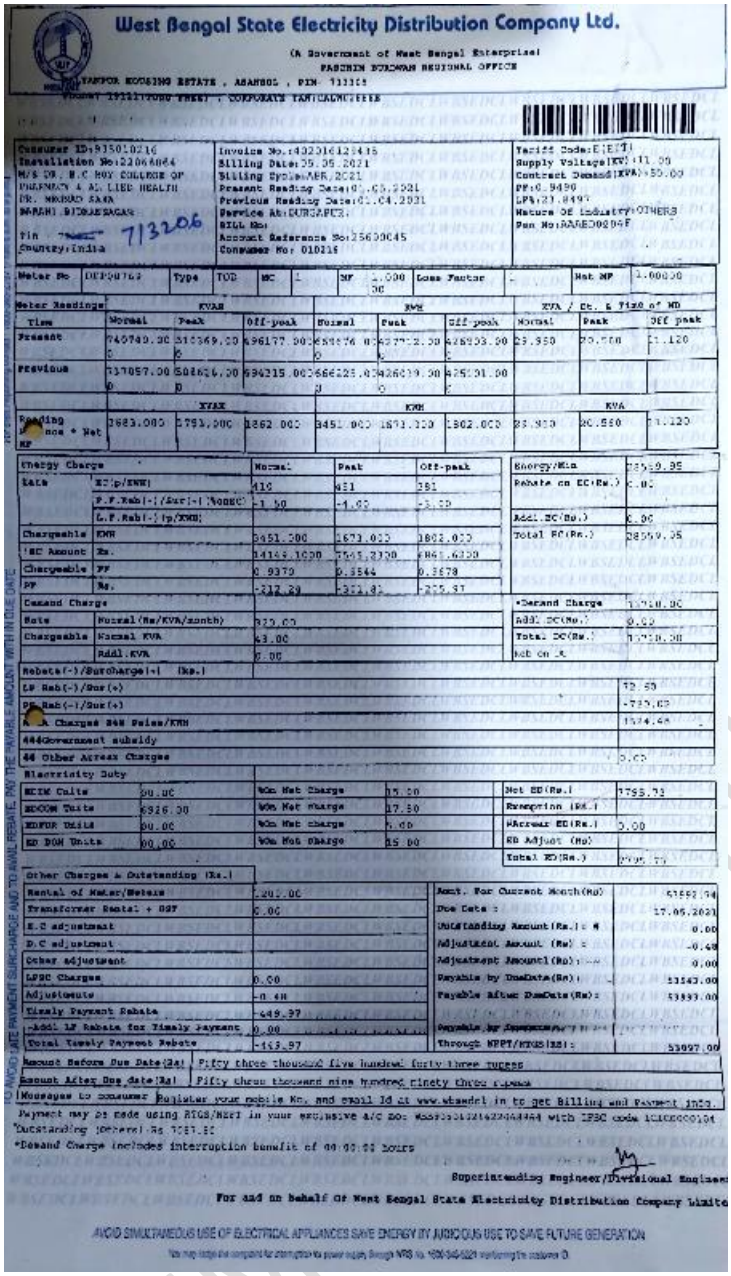
Demand Charge Includes Interruption benefit of 00:00:00 hours

Superintending Engineer/Divisional Eng

For and on behalf Of West Bengal State Electricity Distribution Company L

AVOID SIMULTANEOUS USE OF ELECTRICAL APPLIANCES SAVE ENERGY BY JUDICIOUS USE TO SAVE FUTURE GENERATION

You may lodge the complaint for interruption for power supply through IVRS No. 1800-345-5251



West Bengal State Electricity Distribution Company Ltd.

(A Government of West Bengal Enterprise)

PASCHIM BURDWAN REGIONAL OFFICE

ISPATPUR HOUSING ESTATE , ASANSOL , PIN- 713325

Phone: 2311117(200) TREET , CORPORATE TANI(ALMC)EEEE

Consumer ID:935010216
Installation No:220064864
M/S DR. B.C ROY COLLEGE OF PHARMACY & AL LIED HEALTH
DR. MOHUAD KARA
HARAHI,BIDHANNAGAR
Pin 7/3206
Country:India

Invoice No.:402316123415
Billing Date:25.05.2021
Billing Cycle:MAR.2021
Present Reading Date:01.05.2021
Previous Reading Date:01.04.2021
Service At:DURGAPUR.
BILL No:
Account Reference No:25600045
Consumer No: 010216

Tariff Code:E(HT)
Supply Voltage(KV):11.00
Contract Demand(KVA):50.00
PF:0.9490
LF%:23.8499
Nature Of Industry:OTHERS
Pan No:AARBD0804F

Meter No	DEP00762	Type	TOD	MC	1	MF	1.000	Loss Factor	-	Net MF	1.00000

Meter Readings

	KVAH			KWH			KVA / Dt. & Time of MD		
Time	Normal	Peak	Off-peak	Normal	Peak	Off-peak	Normal	Peak	Off peak
Present	745749.20	510369.20	496177.00	686876.00	487702.50	426903.00	29.950	20.570	11.120
Previous	737057.20	502616.20	494215.00	686225.00	486039.00	425501.00			
Reading (Consu + Net MF	8693.000	7753.000	1962.000	651.000	1663.500	1402.000	29.950	20.570	11.120

Energy Charge		Normal	Peak	Off-peak
Rate	EC(p/KWH)	410	481	581
	F.P.Rab(-)/Sur(+)%onEC	-1.50	-1.50	-1.50
	L.F.Rab(-)p/KWH			
Chargeable	KWH	8451.000	1673.000	1802.000
EC Amount	Rs.	34148.1000	7565.2300	8461.6300
Chargeable	PF	0.9379	0.3544	0.3678
PF	Rs.	-512.20	-371.87	-275.37

Demand Charge		
Rate	Normal(Rs/KVA/month)	370.00
Chargeable	Normal KVA	43.00
	Addl.KVA	0.00

Energy/Kwh	25569.95
Rebate on EC(Rs.)	0.00
Addl.EC(Rs.)	0.00
Total EC(Rs.)	28569.95

*Demand Charge	15910.00
Addl DC(Rs.)	0.00
Total DC(Rs.)	15910.00
Reb on R	

Rebate(-)/Surcharge(+) (Rs.)	
LF Reb(-)/Sur(+)	72.50
PF Reb(-)/Sur(+)	-739.69
A...R Charges 24H Sales/KVH	1574.48
444Government subsidy	
44 Other Arrear Charges	0.00

Electricity Duty

MCEM Units	00.00	Wbm Net Charge	15.00	Net ED(Rs.)	3755.73
MCOM Units	6926.30	Wbm Net Charge	17.50	Exemption (Rs.)	
MDFUR Units	00.00	Wbm Net charge	5.00	Arrear ED(Rs.)	0.00
ED DOM Units	00.00	Wbm Net Charge	15.00	ED Adjust (Rs)	
				Total ED(Rs.)	3755.73

Other Charges & Outstanding (Rs.)	
Rental of Meter/Meters	200.00
Transformer Rental + GST	0.00
E.C adjustment	
D.C adjustment	
Other adjustment	
LPSC Charges	0.00
Adjustments	-0.48
Timely Payment Rebate	-649.97
-Addl LF Rebate for Timely Payment	0.00
Total Timely Payment Rebate	-649.97

Amnt. For Current Month(Rs)	53997.94
Due Date :	17.06.2021
Outstanding Amount(Rs.) :	0.00
Adjustment Amount (Rs) :	-0.48
Adjustment Amount(Rs) :	0.00
Payable by DueDate(Rs) :	53343.00
Payable After DueDate(Rs) :	53993.00
Payable by [illegible] :	
Through NEFT/RTGS(Rs) :	53997.00

Amount Before Due Date(Rs) : Fifty three thousand five hundred forty three rupees

Amount After Due date(Rs) : Fifty three thousand nine hundred ninety three rupees

Messages to consumer : Register your mobile No. and email Id at www.wbsedcl.in to get Billing and Payment info.

Payment may be made using RTGS/NEFT in your exclusive A/C No: WBSEDCL21622444444 with IFSC code ICICI0000104

Outstanding (Others) :Rs 7087.82

*Demand Charge includes interruption benefit of 00:00:00 hours

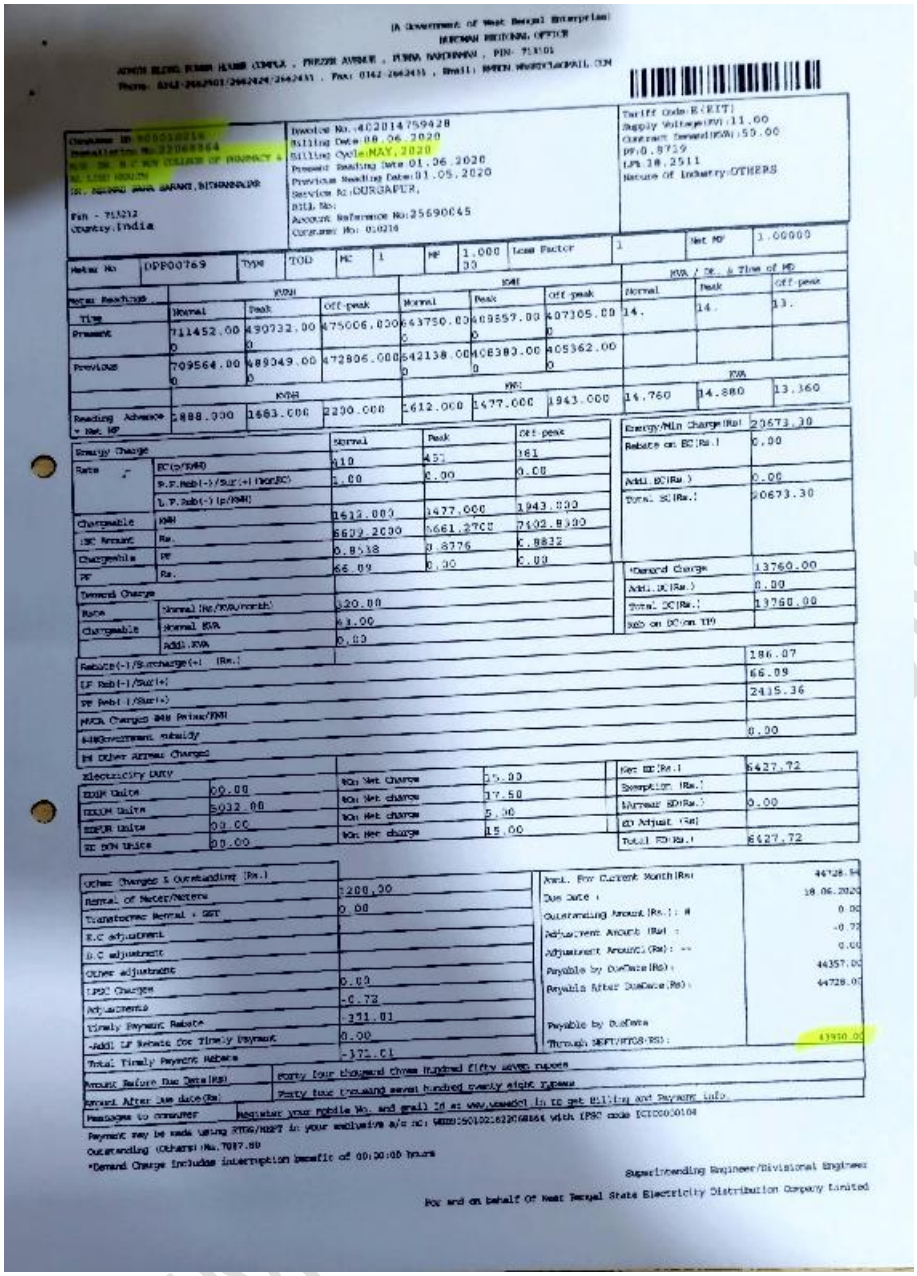
Superintending Engineer/Divisional Engineer

For and on behalf Of West Bengal State Electricity Distribution Company Limited

AVOID SIMULTANEOUS USE OF ELECTRICAL APPLIANCES SAVE ENERGY BY JUDICIOUS USE TO SAVE FUTURE GENERATION

You may lodge the complaint for interruption to power supply through WBSEDCL's Helpline No. 1800-345-6511 and/or through its website @

E.C. INCLUDES PAYMENT SURCHARGE AND TO AVAIL REBATE, PAY THE PAYABLE AMOUNT WITHIN DUE DATE



(A Government of West Bengal Enterprise)
BIRBHUM BILLING OFFICE

Phone: 03462-255701/2662429/2662431 , Fax: 0462 2662431 , Email: BIRBH.WBSEDCL@GMAIL.COM

Fax - 713212
Country:India

Invoice No.:402014759428
Billing Date:08.06.2020
Billing Cycle:MAY,2020
Present Reading Date:01.06.2020
Previous Reading Date:01.05.2020
Service At:DURGAPUR.
Bill No:
Account Reference No:25690045
Customer No: 0:0210

Tariff Code:E(CIT)
Supply Voltage(KV):11.00
Contract Demand(KVA):50.00
PF:0.8719
LF% 28.2511
Nature of Industry:OTHERS

Meter No	DPP00769	Type	TOD	MC	1	MF	1.000	Loss Factor	1	Net MF	1.00000

Meter Readings	KVAH			KWH			KVA / DE. & Time of MD		
Time	Normal	Peak	Off-peak	Normal	Peak	Off-peak	Normal	Peak	Off-peak
Present	711452.00	490732.00	475006.000	643750.00	409857.00	407105.00	14.	14.	13.
	0	0		0	0	0			
Previous	709564.00	489049.00	472806.000	642138.00	408380.00	405362.00			
	0	0		0	0	0			
	KVAH			KWH			KVA		
Reading Advance * Met MF	1888.000	1683.000	2200.000	1612.000	1477.000	1943.000	14.760	14.880	13.360

Energy Charge		Normal	Peak	Off-peak
Rate	EC(p/KWH)	410	451	361
	F.P.Reb(-)/Sur(+) (for EC)	5.00	5.00	0.00
	L.P.Reb(-) (p/KWH)			
Chargeable	KWH	1612.000	1477.000	1943.000
EC Amount	Rs.	6609.2000	6661.2700	7102.8300
Chargeable	PF	0.8538	0.8776	0.8832
PF	Rs.	66.09	0.00	0.00
Demand Charge				
Rate	Normal (Rs/KVA/month)	320.00		
Chargeable	Normal KVA	43.00		
	Addl.KVA	0.00		

Energy/Min Charge(Rs)	20673.30
Rebate on EC(Rs.)	0.00
Addl EC(Rs.)	0.00
Tota. EC(Rs.)	20673.30
*Demand Charge	13760.00
Addl.DC(Rs.)	0.00
Total DC(Rs.)	13760.00
DCD on DC(on TOD	
Rebate(-)/Surcharge(+) (Rs.)	186.07
LF Reb(-)/Sur(+)	66.09
PF Rebt (/Sur(+)	2415.36
MVA Charges 24Hr Period/KWH	
Subsidy/Government subsidy	0.00
Any Other Arrear Charges	

Electricity Duty					
KVAH Units	00.00	Min Net Charge	25.00	Ker ED(Rs.)	6427.72
KWH Units	5032.00	Min Net charge	17.50	Exemption (Rs.)	
KVAH Units	00.00	Min Net charge	5.00	Arrear ED(Rs.)	0.00
KWH Units	00.00	Min Net charge	15.00	ED Adjust (Rs)	
				Total ED(Rs.)	6427.72

Other Charges & Outstanding (Rs.)	200.00
Rental of Meter/Meters	0.00
Transformer Rental + GST	
E.C adjustment	
D.C adjustment	
Other adjustments	
FPPC Charges	0.00
Adjustments	-0.72
Timely Payment Rebate	-371.01
-Addl LF Rebate for Timely Payment	0.00
Total Timely Payment Rebate	-371.01

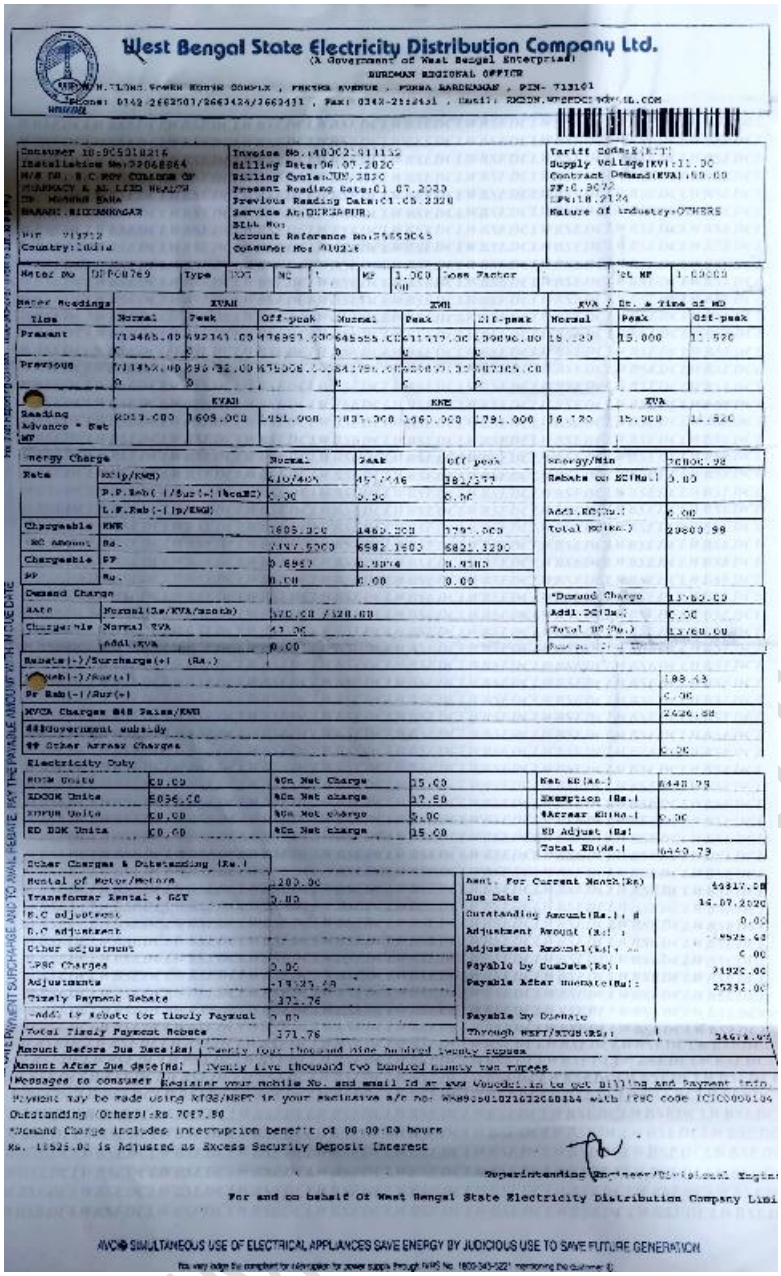
Amt. For Current Month(Rs)	44728.80
Due Date :	18.06.2020
Outstanding Amount(Rs.) : #	0.00
Adjustment Amount (Rs) :	-0.72
Adjustment Amount2(Rs) :	0.00
Payable by DueDate(Rs) :	44357.08
Payable After DueDate(Rs) :	44728.08
Payable by DueDate Through NEFT/RTGS-RS) :	43950.00

Amount Before Due Date(Rs)	Forty four thousand three hundred fifty seven rupees
Amount After Due date(Rs)	Forty four thousand seven hundred twenty eight rupees
Messages to consumer	Register your mobile No. and gmail Id at www.wbsedcl.in to get Billing and Payment info.

Payment may be made using RTGS/NEFT in your exclusive a/c no: 50100216226068864 with IFSC code ICIC0001084
Outstanding (Others) :Rs.7087.80
*Demand Charge Includes interruption benefit of 00:30:00 hours

Superintending Engineer/Divisional Engineer

For and on behalf Of West Bengal State Electricity Distribution Company Limited



West Bengal State Electricity Distribution Company Ltd.

(A Government of West Bengal Enterprise)

BURDWAN REGIONAL OFFICE

Consumer ID:905318216
Installation No:330688864
M/S DR. B.C ROY COLLEGE OF PHARMACY & AH LIED HEALTH
C/O MOHAN SAHA
BHARAT NIDCHANAGAR
Pin 713212
Country:India

Invoice No.:400022011152
Billing Date:06.07.2020
Billing Cycle:JUN.2020
Present Reading Date:01.07.2020
Previous Reading Date:01.05.2020
Service At:DURGAPUR,
Bill No:
Account Reference No:35650045
Consumer No: 910218

Tariff Code:[HT]
Supply Voltage(KV):11.00
Contract Demand(KVA):60.00
PF:0.9000
LF:18.2134
Nature of Industry:OTHERS

Meter No	DP00769	Type	TOD	MC	1	MF	1.000 CH	Loss Factor		Tot MF	1.00000

Meter Readings	KVAH			KWH			KVA / Dt. & Time of MD		
Time	Normal	Peak	Off-peak	Normal	Peak	Off-peak	Normal	Peak	Off-peak
Present	713465.00	492141.00	476987.00	648565.00	411577.00	290090.00	15.120	15.000	11.520
Previous	711452.00	490732.00	475008.00	641791.00	408870.00	287185.00			
	0	0	0	0	0	0			
Reading Advance * Net MF	KVAH			KWH			KVA		
	2013.000	1409.000	1951.000	6774.000	2707.000	2905.000	15.120	15.000	11.520

Energy Charge		Normal	Peak	Off-peak
Rate	RC(p/KWH)	410/4105	457/4546	381/3777
	F.P.Reb(-)/Sur(+)(NonRE)	0.00	0.00	0.00
	L.F.Reb(-)(p/KWH)			
Chargeable	KWH	1805.000	1469.000	1791.000
RC Amount	Rs.	7397.5000	6682.1600	6821.3200
Chargeable	PF	0.8863	0.9046	0.9500
PF	Rs.	0.00	0.00	0.00

Energy/Min	20800.98
Rebate on EC(Rs.)	0.00
Addl.EC(Rs.)	0.00
Total EC(Rs.)	20800.98

Demand Charge			
Rate	Normal(Rs/KVA/month)	320.00 /320.00	
Charge: ble	Normal KVA	60.00	
	Addl.KVA	0.00	

*Demand Charge	19169.09
Addl.DC(Rs.)	0.00
Total DC(Rs.)	19169.09

Rebate(-)/Surcharge(+) (Rs.)

	188.43
Pf Reb(-)/Sur(+)	0.00
MVCA Charges @48 Paise/KWH	2426.88
##Government subsidy	
## Other Arrear Charges	0.00

Electricity Duty					
HOSP Units	00.00	@On Net Charge	05.00	Net ED(Rs.)	6448.79
EDOOR Units	8036.00	@On Net charge	07.50	Exemption (Rs.)	
SHPUR Units	00.00	@On Net charge	5.00	@Arrear ED(Rs.)	0.00
ED SSK Units	00.00	@On Net charge	15.00	ED Adjust (Rs)	
				Total ED(Rs.)	6448.79

Other Charges & Outstanding (Rs.)	
Rental of Meter/Meters	200.00
Transformer Rental + GST	0.00
E.C adjustment	
D.C adjustment	
Other adjustment	
CPSC Charges	0.00
Adjustments	-19525.68
Timely Payment Rebate	371.76
Addl CP Rebate for Timely Payment	0.00
Total Timely Payment Rebate	371.76

Amt. For Current Month(Rs)	44817.00
Due Date :	16.07.2020
Outstanding Amount(Rs.): #	0.00
Adjustment Amount (Rs) :	-9525.68
Adjustment Amount(Rs) :	0.00
Payable by DueDate(Rs):	21920.00
Payable After month(Rs):	25292.00
Payable By DueDate Through NEFT/RTGS(Rs.):	24674.00

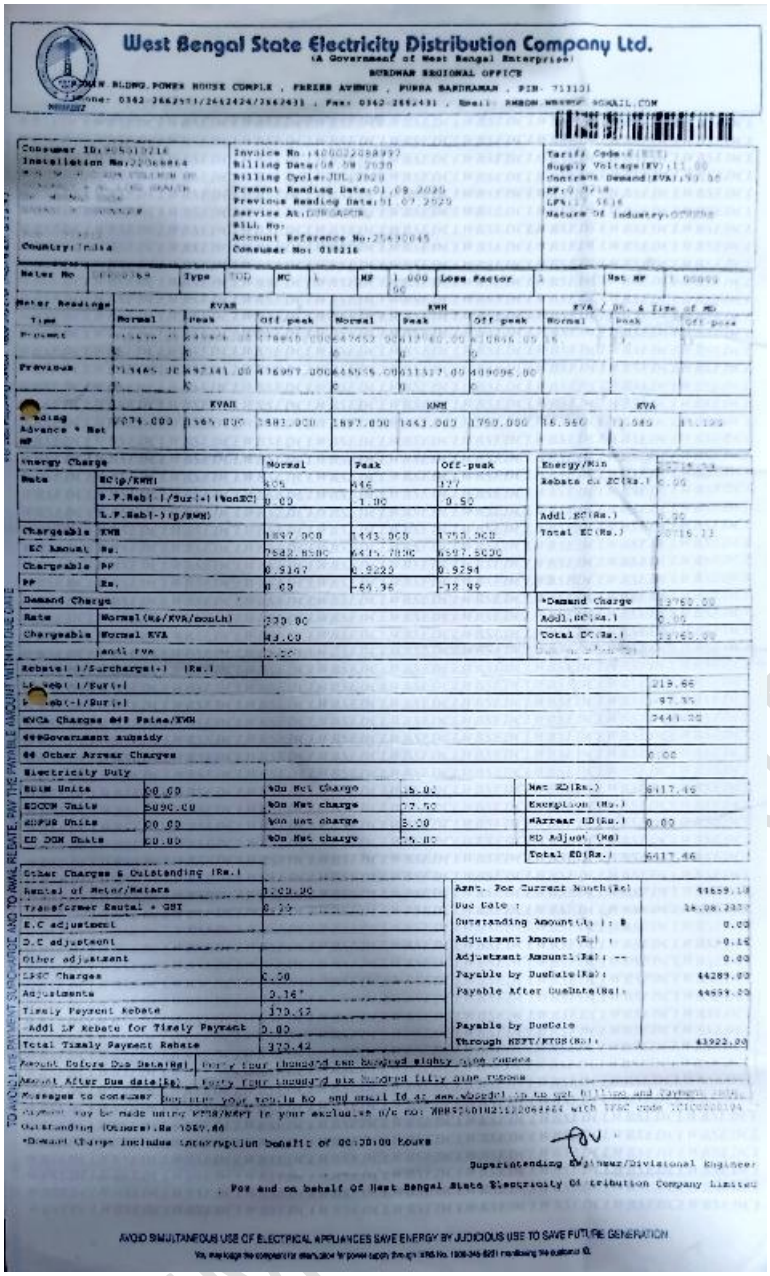
Amount Before Due Date(Rs) | Twenty four thousand nine hundred twenty rupees
Amount After Due date(Rs) | Twenty five thousand two hundred ninety two rupees

Messages to consumer Register your mobile No. and email Id at www.wbsedcl.in to get Billing and Payment Info.
Payment may be made using RTGS/NEFT in your exclusive a/c no: WBSEDCL01021632688384 with IFSC code ICIC0000104
Outstanding (Others):Rs.7087.80
*Demand Charge includes interruption benefit of 00:00:00 hours
Rs. 19525.00 is Adjusted as Excess Security Deposit Interest

Superintending Engineer/Divisional Engineer

For and on behalf Of West Bengal State Electricity Distribution Company Limited

AVOID SIMULTANEOUS USE OF ELECTRICAL APPLIANCES SAVE ENERGY BY JUDICIOUS USE TO SAVE FUTURE GENERATION



West Bengal State Electricity Distribution Company Ltd.
(A Government of West Bengal Enterprise)
BURDWAN REGIONAL OFFICE
POWER BLDNG,POWER HOUSE COMPLX , FREERS AVENUE , PURBA BARDHAMAN , PIN- 713101
Telephone: 0342-2662571/2662424/2662431 , Fax: 0342-2662431 , Email: RMBDN.WBSEDCL@GMAIL.COM

Consumer ID:
Installation No:
Country: India

Invoice No.:
Billing Date:08.08.2020
Billing Cycle:JUL 2020
Present Reading Date:01.08.2020
Previous Reading Date:01.07.2020
Service At:BURDWAN
Bill No:
Account Reference No:
Consumer No: 018216

Tariff Code:
Supply Voltage(KV):
Contract Demand(KVA):
PF:
LF%:
Nature Of Industry:

Meter No | Type TOD | MC | MF 1.000 | Loss Factor | Net MF

Meter Readings

Time	KVAH Normal	KVAH Peak	KVAH Off peak	KWH Normal	KWH Peak	KWH Off peak	KVA / DL & Time of MD Normal	Peak	Off peak
Present									
Previous									

	KVAH	KWH	KVA
Billing Advance * Net MF	3074.000	2897.000	16.560

Energy Charge

		Normal	Peak	Off-peak
Rate	EC(p/KWH)	405	446	427
	P.F.Reb(-)/Sur(+)(NonEC)	9.00	1.00	9.50
	L.F.Reb(-)(p/KWH)			
Chargeable	KWH	1882.000	1443.000	1750.000
	EC Amount Rs.	7622.8500	6415.7800	6597.5000
Chargeable	PF	0.9147	0.9229	0.9294
	PF Rs.	0.00	-64.96	-32.99

Demand Charge

Rate	Normal(Rs/KVA/month)	230.00
Chargeable	Normal KVA	16.00
	Addl KVA	0.00

Energy/Min
Rebate on EC(Rs.)
Addl EC(Rs.)
Total EC(Rs.)

*Demand Charge
Addl.DC(Rs.)
Total DC(Rs.)

Rebate(-)/Surcharge(+) (Rs.)

LF Reb(-)/Sur(+)	219.66
PF Reb(-)/Sur(+)	-97.95
EVCA Charges @48 Paise/KWH	2441.28
@@Government Subsidy	
@@ Other Arrear Charges	0.00

Electricity Duty

NDOM Units	00.00	@On Net Charge	15.00	Net ED(Rs.)	6417.46
SDOM Units	6090.00	@On Net charge	12.50	Exemption (Rs.)	
NDPUR Units	00.00	@On Net charge	8.00	*Arrear ED(Rs.)	0.00
SD DOM Units	00.00	@On Net charge	15.00	ED Adjust (Rs)	
				Total ED(Rs.)	6417.46

Other Charges & Outstanding (Rs.)

Rental of Meter/Meters	100.00
Transformer Rental + GST	0.00
E.C adjustment	
D.C adjustment	
Other adjustment	
ISSC Charges	0.00
Adjustments	0.16*
Timely Payment Rebate	370.42
Addl LF Rebate for Timely Payment	0.00
Total Timely Payment Rebate	370.42

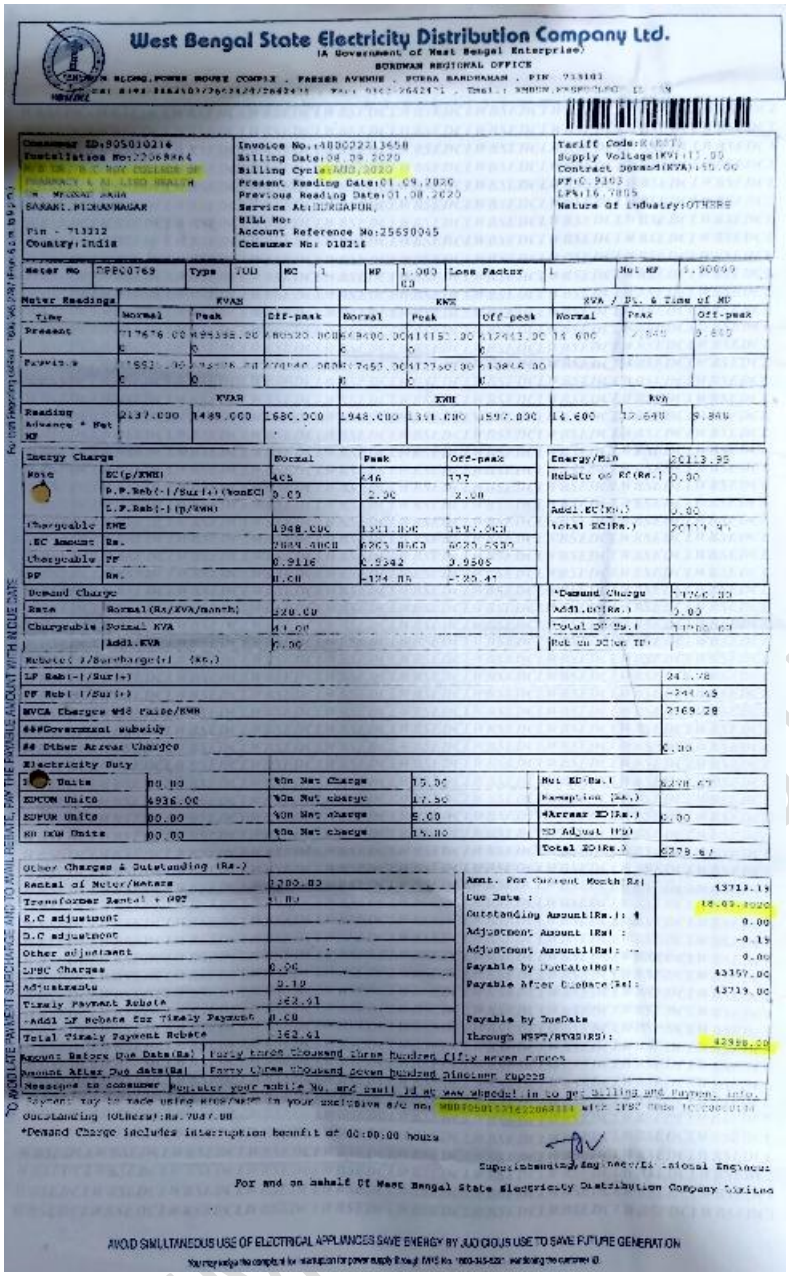
Amnt. For Current Month(Rs)	41859.16
Due Date :	18.08.2020
Outstanding Amount(Rs) : @	0.00
Adjustment Amount (Rs) :	0.16
Adjustment Amount(Rs): --	0.00
Payable by DueDate(Rs):	44289.00
Payable After DueDate(Rs):	44659.00
Payable by DueDate through NEFT/RTGS(Rs):	43922.00

Amount Before Due Date(Rs) : Forty four thousand two hundred eighty nine rupees
Amount After Due date(Rs) : Forty four thousand six hundred fifty nine rupees
Messages to consumer
Payment may be made using RTGS/NEFT to your exclusive a/c no: with IFSC code
Outstanding (Others):Rs 1059.66
*Demand Charge Includes Interruption Benefit of 00:30:00 Hours

Superintending Engineer/Divisional Engineer
For and on behalf Of West Bengal State Electricity Distribution Company Limited

AVOID SIMULTANEOUS USE OF ELECTRICAL APPLIANCES SAVE ENERGY BY JUDICIOUS USE TO SAVE FUTURE GENERATION

TO AVOID DISCONNECTION FOR NON PAYMENT SUCH DUE AND TO AVAIL REBATE, PAY THE PAYABLE AMOUNT WITHIN DUE DATE



West Bengal State Electricity Distribution Company Ltd.

(A Government of West Bengal Enterprise)

BURDWAN REGIONAL OFFICE

Consumer ID:805010216
Installation No:220688A4
M/S [illegible] COLLEGE OF PHARMACY & ALLIED HEALTH
Dr. MEGHAN SAHA
SAHARI,PICHANAGAR
Pin - 713312
Country:India

Invoice No.:4080222136S8
Billing Date:08.09.2020
Billing Cycle:AUG,2020
Present Reading Date:01.09.2020
Previous Reading Date:01.08.2020
Service At:DURGAPUR,
Bill No:
Account Reference No:25650945
Consumer No: D10216

Tariff Code:[illegible]
Supply Voltage(KV):11.00
Contract Demand(KVA):50.00
PF:0.9103
LF%:16.7805
Nature Of Industry:OTHERS

Meter no	DPB00769	Type	3OD	MC	1	MF	1.000 CO	Loss Factor	1	Net MF	1.90000

Meter Readings	KVAH			KWH			KVA / Pk. & Time of MD		
Time	Normal	Peak	Off-peak	Normal	Peak	Off-peak	Normal	Peak	Off-peak
Present	717676.00	99388.00	480620.00	89400.00	141151.00	412463.00	14.600	2.840	9.840
Previous	715539.00	98316.00	478840.00	87453.00	137350.00	410616.00			
	C	C	C	C	C	C			

	KVAR			KWH			KVA		
Reading Advance * Net MF	2137.000	1489.000	1680.000	1948.000	1351.000	1597.000	14.600	10.640	9.840

Energy Charge		Normal	Peak	Off-peak
Rate	EC(p/KWH)	465	646	777
	P.F.Reb(-)/Sur(+)(NonEC)	0.00	2.00	2.00
	L.F.Reb(-)(p/KWH)			
Chargeable	KWH	1948.000	1351.000	1597.000
EC Amount	Rs.	9056.820	8725.460	12407.690
Chargeable	PF	0.9116	0.9342	0.9585
PF	Rs.	0.00	-174.86	-220.47

Demand Charge		
Rate	Normal(Rs/KVA/month)	320.00
Chargeable	Normal KVA	14.00
	Addl.KVA	0.00

Energy/Rate	20113.95
Rebate on EC(Rs.)	0.00
Addl.EC(Rs.)	0.00
Total EC(Rs.)	20113.95
*Demand Charge	13760.00
Addl.DC(Rs.)	0.00
*Total DC(Rs.)	13760.00
Rebate on DC(Rs.)	

Rebate( )/Surcharge(+) (Rs.)

LF Reb(-)/Sur(+)	241.78
PF Reb(-)/Sur(+)	-344.65
MVCA Charges @48 Paise/KWH	2369.28
###Government subsidy	
## Other Arrear Charges	0.00

Electricity Duty

[illegible] Units	00.00	%On Net Charge	15.00	Net ED(Rs.)	4278.67
EDCON Units	4936.00	%On Net charge	17.50	Exemption (Rs.)	
SUPUR Units	00.00	%On Net charge	8.00	#Arrear ED(Rs.)	0.00
RD DKW Units	00.00	%On Net charge	15.00	RD Adjust (Rs)	
				Total ED(Rs.)	4278.67

Other Charges & Outstanding (Rs.)

Rental of Meter/Meters	1200.00	Amnt. For Current Month Rs)	43719.15
Transformer Rental + @@2	0.00	Due Date :	16.09.2020
E.C adjustment		Outstanding Amount(Rs.): #	0.00
D.C adjustment		Adjustment Amount (Rs) :	-0.15
Other adjustment		Adjustment Amount1(Rs): --	0.00
LPSC Charges	0.00	Payable by DueDate(Rs):	43157.00
Adjustments	0.19	Payable After DueDate(Rs):	43719.00
Timely Payment Rebate	562.41		
-Addl LF Rebate for Timely Payment	0.00	Payable by DueDate	
Total Timely Payment Rebate	562.41	Through NEFT/RTGS(Rs):	43998.00

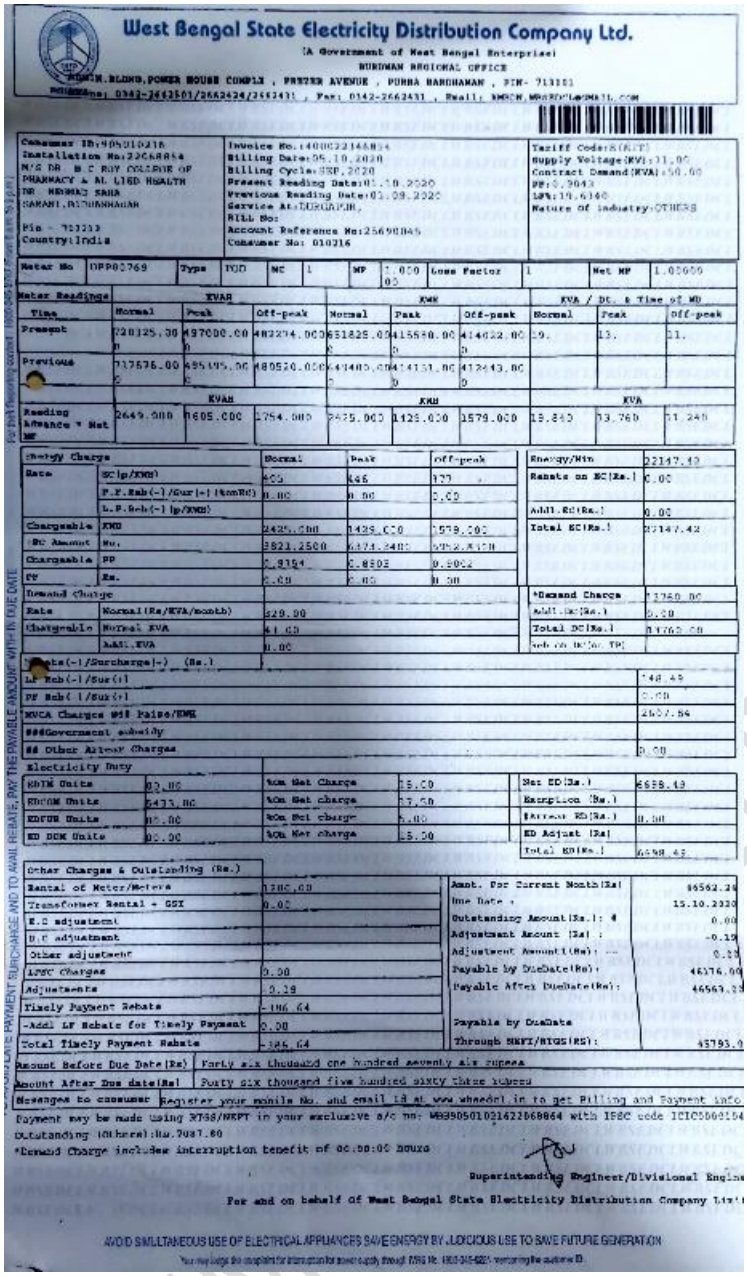
Amount Before Due Date(Rs) | Forty three thousand three hundred fifty seven rupees
Amount After Due date(Rs) | Forty three thousand seven hundred nineteen rupees
Messages to consumer | Register your mobile No. and email id at www.wbsedcl.in to get Billing and Payment info.
Payment may be made using NEFT/RTGS in your savings a/c no: [illegible] with IFSC Code [illegible]
Outstanding 90(Interest:Rs.7047.00
*Demand Charge includes interruption benefit of 00:00:00 hours

Superintending Engineer/Executive Engineer
For and on behalf Of West Bengal State Electricity Distribution Company Limited

AVOID SIMULTANEOUS USE OF ELECTRICAL APPLIANCES SAVE ENERGY BY JUDICIOUS USE TO SAVE FUTURE GENERATION

You may lodge the complaint for interruption of power supply through SMS No. 1800-345-6201 mentioning the customer ID.

TO AVOID LATE PAYMENT SURCHARGE AND TO AVAIL REBATE, PAY THE PAYABLE AMOUNT WITH NEXT DATE



West Bengal State Electricity Distribution Company Ltd.

(A Government of West Bengal Enterprise)

BURDWAN REGIONAL OFFICE

ADMIN.BLDNG.POWER HOUSE COMPLX , FRAZER AVENUE , PURBA BARDHAMAN , PIN- 713101

Phone: 0342-2642501/2662426/2662431 , Fax: 0342-2662431 , Email: BRDCH.WBSEDCL@gmail.com

Consumer Id:4050210218
Installation No:320688854
M/S DR B C ROY COLLEGE OF PHARMACY & AL LIED HEALTH
DR MEHMAD KHAN
SAMANT.BURDWANHAN
Pin - 713333
Country:India

Invoice No.:4000321448[illegible]
Billing Date:05.10.2020
Billing Cycle:SEP.2020
Present Reading Date:01.10.2020
Previous Reading Date:01.09.2020
Service At:BURDWAN
Bill No:
Account Reference No:25698845
Consumer No: 010216

Tariff Code:8(HT)
Supply Voltage(KV):11.00
Contract Demand(KVA):50.00
PF:0.9043
LF%:19.6160
Nature Of Industry:OTHERS

Meter No	DPP02769	Type	TOD	MC	1	MF	1.000 00	Loss Factor	1	Net MF	1.00000

Meter Readings	KVAH			KWH			KVA / DL & Time of MD		
Time	Normal	Peak	Off-peak	Normal	Peak	Off-peak	Normal	Peak	Off-peak
Present	720125.00 0	497000.00 0	480274.00 0	651825.00 0	415550.00 0	414022.00 0	19.	13.	31.
Previous	717576.00 0	495495.00 0	480520.00 0	649480.00 0	414131.00 0	412443.00 0			
	KVAH			KWH			KVA		
Reading Advance * Net MF	2649.000	1605.000	1754.000	2425.000	1419.000	1579.000	19.840	13.760	31.240

Energy Charge		Normal	Peak	Off-peak
Rate	EC(p/KWH)	409	446	377
	F.P.Rsh(-)/Sur(+) (KwHR)	0.00	0.00	0.00
	L.P.Rsh(-)p/KWH)			
Chargeable	KWH	2425.000	1419.000	1579.000
EC Amount	Rs.	9921.2500	6374.2400	5952.6300
Chargeable	PF	0.9354	0.8802	0.9002
PF	Rs.	0.00	0.00	0.00
Demand Charge				
Rate	Normal(Rs/KVA/month)	329.00		
Chargeable	Normal KVA	41.00		
	Addl.KVA	0.00		
Rebate(-)/Surcharge(+) (Rs.)				

Energy/Wtn	22147.43
Rebate on EC(Rs.)	0.00
Addl.EC(Rs.)	0.00
Total EC(Rs.)	22147.43
Demand Charge	13760.00
Addl.DC(Rs.)	0.00
Total DC(Rs.)	13760.00
Sub.to DC(for TP)	

LF Rsh(-)/Sur(+)	748.49
PF Rsh(-)/Sur(+)	0.00
MVCA Charges @18 Paise/KWH	2657.56
##Government subsidy	
## Other Adjust Charges	0.00

Electricity Duty					
EDTN Units	00.00	%on Net Charge	15.00	Net ED(Rs.)	6698.49
EDCOM Units	5473.00	%on Net charge	17.50	Exemption (Rs.)	
EDTUN Units	00.00	%on Net charge	5.00	Arrear ED(Rs.)	0.00
ED DOM Units	00.00	%on Net charge	15.00	ED Adjust (Rs)	
				Total ED(Rs.)	6698.49

Other Charges & Outstanding (Rs.)	
Rental of Meter/Meters	1380.00
Transformer Rental + GST	0.00
E.C adjustment	
D.C adjustment	
Other adjustment	
LPSC Charges	0.00
Adjustments	-0.19
Timely Payment Rebate	-196.64
-Addl LF Rebate for Timely Payment	0.00
Total Timely Payment Rebate	-196.64

Amnt. For Current Month(Rs)	46562.29
Due Date :	15.10.2020
Outstanding Amount(Rs.): @	0.00
Adjustment Amount (Rs) :	-0.19
Adjustment Amount1(Rs) :	0.19
Payable By DueDate(Rs):	46176.09
Payable After DueDate(Rs):	46563.29
Payable by DueDate Through NEFT/RTGS(RS):	45793.0

Amount Before Due Date(Rs) Forty six thousand one hundred seventy six rupees

Amount After Due date(Rs) Forty six thousand five hundred sixty three rupees

Messages to consumer Register your mobile No. and email id at www.wbsedcl.in to get Billing and Payment info

Payment may be made using RTGS/NEFT in your exclusive a/c no: WB3905010214223680864 with IFSC code ICIC0006154

Outstanding (Others):Rs.7087.80

*Demand Charge includes interruption benefit of 00:00:00 hours

Superintending Engineer/Divisional Engine

For and on behalf of West Bengal State Electricity Distribution Company Ltd

AVOID SIMULTANEOUS USE OF ELECTRICAL APPLIANCES SAVE ENERGY BY JUDICIOUS USE TO SAVE FUTURE GENERATION

ELECTRICITY UTILITY BILLS (of Period May'20-Apr'21)

HAVELLS

Fans

All Fans shall come under the HSN code 8414

Maximum Retail Price
w.e.f. 26th April 2018
Price (in ₹)

Energy Saving Models			
Name	**Colour**	**Star Rating**	**1200 mm**
Outer Pack Size			2x1
ES NEO (new)	White / Brown / Ivory		2560/-
ES-50	White / Brown / Ivory		2690/-
ES - 50 Premium	White / Brown / Ivory		2690/-
ES-40	White / Brown / Bianco		3130/-
Fusion 50	Metallic Beige-Brown / Pearl Ivory-Gold		3470/-
Efficiencia (BLDC 32 W) (new)	Metallic White / Beige - Dust Resistant	BLDC	6480/-

BLDC – Brush Less Direct Current

Name	Base Models	600/ 750 mm	900 mm	1050/ 1200 mm	1400 mm
Outer Pack Size		4x1	2x1/-	2x1	3x1
XP-390	White / Brown / Ivory	2540/-	2770/-	2540/-	2730/-
Pacer	White / Brown / Ivory	2550/-	2550/-	2550/-	2740/-
Velocity/Velocity HS	White / Brown / Ivory	2610/-	2610/-	2610/-	2790/-
Spark HS	White / Brown / Ivory	-	-	2630/-	-
SS-390	White / Brown / Bianco	2680/-	2680/-	2680/-	2860/-
SS-390 Metallic	Pearl Ivory / Sparkle Brown / Pearl White-Silver / Pearl Brown / Maroon / Sapphire	2820/-	2820/-	2820/-	3010/-
ES-50	White / Brown / Ivory	-	-	-	2970/-
Outer Pack Size	**Decorative Models**	4x1	2x1	2x1	3x1
Spark Deco	White / Brown / Ivory	-	-	2880/-	-
Artemis	Elegant White / Brown / Ivory	-	-	2920/-	-
SS-390 Deco	Pearl Ivory / Pearl Copper / Sparkle Brown	-	-	3090/-	-
Vogue Plus	Silver - Blue / Pearl Brown / Ivory - Pearl Brown	-	-	3090/-	-
Andria	Espresso Brown* / Indigo Blue* / Pearl White* / Maroon*	-	-	3110/-	-
Festiva	Pearl Copper Gold, Ocean Blue - Silver / Pearl White - Silver / Lavender Mist - Silver	-	-	3410/-	-
Fusion	Pearl White-Silver / Pearl Ivory-Gold / Silver-Blue / Beige-Oasis Green/ Beige-Brown / Beige-Wine Red	3440/-	3440/-	3440/-	3640/-
Areole	Pearl Brown Silver / Pearl Ivory Bronze / Lavender Mist-Silver / Mist Honey	-	-	3500/-	-
Glaze (new)	Pearl Ivory Gold/ Pearl White Copper / Sapphire Blue Chrome	-	-	3560	-
Troika	Pearl White Silver / Champagne Honey	-	-	3580	-
Zester (new)	Pearl White / Dusk / Slate	-	-	3610	-
Nicola	Gold Mist-Copper / Bronze-Copper / Pearl Ivory-Gold / Pearl White-Silver	3650/-	3650/-	3650/-	3850/-
Enticer	Rose Gold / Pearl White Gold / Pearl White Chrome / Espresso Brown Copper* / Metallic Black - Chrome / Maroon Chrome / Beige Copper	-	3690/-	3690/-	3860/-
Spartz	Gold Mist Pearl - Brown / Pearl White Ocean Blue / Pearl White Baby Blue	-	3760/-	3760/-	3920/-
Leganza	Bronze-Gold / Pearl White-Silver / Lavender Mist-Silver / Mist Honey	-	-	3770/-	-
Leganza - 4 Blade	Bronze-Gold / Pearl White-Silver / Lavender Mist-Silver / Mist Honey	-	-	4080/-	-
Spiro Neo (new)	Black & White / Indigo Blue / Woody White	-	-	4200/-	-
Enticer Art Ltd. Edition	Inmould design - Metallic White / Metallic Black	-	-	4400/-	-
Enticer Art (new) Collector's Edition	Rose Gold / White Blue	-	-	4400/-	-
Enticer Art (new) Heritage Edition	Espresso Brown*	-	-	4400/-	-
Splash (new)		-	-	4990/-	-
Name	**Decorative Model**	**1320 mm**		**Outer Pack Size**	
Sagittal	Blush Copper / Pearl White Chrome	4140/-		2x1	

*Espresso Brown, Espresso Brown Copper and Indigo Blue are metallic with matt finish.
*Maroon and Pearl White are metallic and dust resistant.
Speed resistance type regulator is available for Rs.100/-
Enticer Art is available in 1200 mm only.

BLDC FAN DETAILS

APFC Controller [8536]

etaCON M - APFC Controller

Features:

- Modular and expandable steps
- CT secondary - 1 A / 5 A Site selectable
- Measurement of individual Current and Voltage harmonic (THD) up to 15th Order
- Available in combination of 3 to 14 steps for contactor controlled APFC panels
- Capacitor failure indication
- In-built temperature sensor
- Suitable for LV as well as HT side sensing
- Communicable on Modbus through RS485 Plug-in Module

etaCON M Selection Guidelines

Steps	Steps Description	Size (Wx H in mm)	Combination	Cat. No. Combination	M.R.P. (₹) Per Set
3	2 +1*	96 x 96	3 Step APFC Controller	ETACONM003R	9500
5	4 +1*	96 x 96	5 Step APFC Controller	ETACONM005R	11000
6	5 +1*	96 x 96	3 Step APFC Controller + 3 Step Plug-in module	ETACONM003R + ETACONEXP3R	11500
7	6 +1*	96 x 96	5 Step APFC Controller + 2 Step Plug-in module	ETACONM005R + ETACONEXP2R	12400
8	7 +1*	96 x 96	5 Step APFC Controller + 3 Step Plug-in module	ETACONM005R + ETACONEXP3R	13000
8	7 +1*	144 x 144	8 Step APFC Controller	ETACONM008R	14000
10	9 +1*	144 x 144	8 Step Controller + 2 Step Plug-in module	ETACONM008R + ETACONEXP2R	15400
11	10 +1*	144 x 144	8 Step Controller + 3 Step Plug-in module	ETACONM008R + ETACONEXP3R	16000
12	11 +1*	144 x 144	8 Step APFC Controller + 2 Step Plug-in module + 2 Step Plug-in module	ETACONM008R + ETACONEXP2R + ETACONEXP2R	16800
13	12 +1*	144 x 144	8 Step APFC Controller + 2 Step Plug-in module + 3 Step Plug-in module	ETACONM008R + ETACONEXP2R + ETACONEXP3R	17400
14	13 +1*	144 x 144	8 Step APFC Controller + 3 Step Plug-in module + 3 Step Plug-in module	ETACONM008R + ETACONEXP3R + ETACONEXP3R	18000

* Last Contact can be programmed for capacitor switching / Alarm function / Fan Control

etaCON M APFC Controller

Model	Single CT input	Voltage input	Cat. No.	M.R.P. (₹) Per Unit
3 Step APFC Controller (96 x 96)	1 A / 5A	415V / 110 V	ETACONM003R	9500
5 Step APFC Controller (96 x 96)			ETACONM005R	11000
8 Step APFC Controller (144 x 144)			ETACONM008R	14000

etaCON M Optional Plug-in Modules

Description	Model	Cat. No.	M.R.P. (₹) Per Unit
2 Steps Plug-in Module	2 Relays NO	ETACONEXP2R	1400
3 Steps Plug-in Module	3 Relays NO	ETACONEXP3R	2000
RS485 Plug-in Module	RS485 Plug-in Module	ETACONRS485	7500

New!

etaSMART - APFC Controller

Features:

- Simple and Smart Controller
- Available in 4 to 16 steps for contactor controlled APFC Panels
- Auto programming function available
- CT secondary - 1 / 5 Amp site selectable

Steps	Size	Cat. No.	Single CT input	Voltage input	M.R.P. (₹) Per Unit
4	96 x 96	CS90884OOOO	1/ 5 Amp	415 V	8000
6	96 x 96	CS90885OOOO			9000
8	96 x 96	CS90902OOOO			10000
12	144 x 144	CS90903OOOO			12500
14	144 x 144	CS90904OOOO			13500
16	144 x 144	CS90905OOOO			14500

Active Harmonic Filter (AHF) [8543]

- Reduces THD within IEEE limits
- Dynamic correction of THD
- Improves both distortion & displacement Power Factor
- Load balancing & Neutral current reduction (triplen harmonics) with 4 wire filter

Filter Rating (A)	3 Phase 3 wire AHF		3 Phase 4 wire AHF	
	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
30	AHF030331D2	On Request	AHF030341D2	On Request
60	AHF060331D2		AHF060341D2	
75	AHF075331D2		AHF075341D2	
100	AHF100331D2		AHF100341D2	
150	AHF150331D2		AHF150341D2	
200	AHF200331D2		AHF200341D2	
300	AHF300331D2		AHF300341D2	
400	AHF400331D2		-	
600	AHF600331D2			
800	AHF800331D2			

APFC Details