

## MANDATORY DISCLOSURE BEHARAGORA POLYTECHNIC

AICTE Permanent ID	• 1-3401896271
Date & Period of last approval	• 29-04-2019 (2019-2020), F.No. Eastern/1-4260073276/2019/EOA
Name of the Institution	• BEHARAGORA POLYTECHNIC
Address of the Institution	• At -Baharagora, PO - Baharagora • PS - Baharagora, East Singhbhum-832101 • District – East Singhbhum (Jharkhand)
City & PIN Code	• Baharagora - 832101
State	• Jharkhand
Longitude & Latitude	• 22° 29' E & 86° 71' N
Phone number with STD code	• Mobile No. : - 9337182234 /7004909062
FAX number with STD code	• 0657-6609814
Office hours at the Institution	• 9:00 AM to 5:00 PM
Academic hours at the Institution	• 9:30 AM to 4:30 PM
Email	• <a href="mailto:sanjatkumarmishra@gmail.com">sanjatkumarmishra@gmail.com</a> / <a href="mailto:anurag2jha@gmail.com">anurag2jha@gmail.com</a>
Website	• <a href="http://www.baharagorapolytechnic.org">www.baharagorapolytechnic.org</a>
Nearest Railway Station (Dist. in Km)	• Chakuliya (30 Km)
Nearest Airport (Dist. in Km)	• Kolkata international airport around 200 KM.
Type of Institution	• Public Private Partnership (PPP MODE)
Category (1) of the Institution	• Non-Minority
Category (2) of the Institution	• Co-Ed

Name of the Organization running the Institute.	• LNJP Educational Foundation.
Type of the Organization	• Section-VIII Company
Address of the Organization	• B-117, RAJENDRA VIHAR NEAR FOREST PARK, BHUBANESWAR, KHORDHA, Odisha,751009
Registered with	• Indian Companies Act, 2013
Registration date	• 05 Feb 2017
Website of the Organization	• <a href="http://www.baharagorapolytechnic.org">www.baharagorapolytechnic.org</a>
Name of the affiliating University /Board	• Jharkhand University of Technology, Ranchi
Address of Board	• <b>Jharkhand University of Technology</b> , Sirkha Toli, Science & Technology Campus (In front of Military Campus), Namkum-Tupudana Road, Ranchi, Jharkhand-834010
Website	• <a href="http://www.jutranchi.ac.in">www.jutranchi.ac.in</a>
Latest affiliation period	• 2020-21

Name of Principal/Director	• Dr. Sanjat Kumar Mishra
Exact Designation	• Principal
Phone number with STD code	• Mobile No. - 9337182234/ 9437444960
FAX number with STD code	• 0657-6609814
Email	malaya@thenalanda.com/ sanjatkumarmishra@gmail.com
Education Qualification	• Ph.D.
Work Experience	• Teaching - 22 Years
Area of Specialization	• Communication System Engineering
Course Taught in Diploma/Post Diploma/UG/PG level	• Digital Circuit and Microprocessor, Communication System etc.

Governing Body	• Attached as Annexure - I
Frequency of meeting	• Twice in a Year
Organizational Chart	• Attached as Annexure - II
Student feedback mechanism on Institutional Governance / faculty performance	• Yes
Grievance redressal mechanism for faculty, staff and students	• Yes
Establishment of Anti Ragging Committee	• Yes
Establishment of Grievance Redressal Committee in the Institution	• Yes
Establishment of Internal Complaint Committee - ICC	• Yes
Establishment of Committee for SC/ST	• Yes
Internal Quality Assurance Cell	• Yes



# BEHARAGORA POLYTECHNIC, BAHARAGORA, JHARKHAND

Established by Govt. of Jharkhand, Approved by AICTE, New Delhi & Recognized by SBTE/JUT, Jharkhand

(Run by LNJP Foundation)

Ref.No-BP/ESTD/ADM/11

Date: 28/02/2022

## OFFICE ORDER

### FORMATION OF COMMITTEE FOR SC&ST

Notice on Establishment of Committee for SC&ST in the Institution for AY: 2021-22 as per AICTE Approval Process Hand Book (2021-22).

As per the Scheduled castes and Scheduled Tribes (Prevention of atrocities) Act, 1989, No.33 of 1989, dated 11.09.1989, Committee for ST&SC is being reconstituted comprising of following members for Beharagora Polytechnic, Baharagora, to prevent commission of offence of atrocities against the members of ST&SC, to provide for special courts for the trial of such offences and for the relief and rehabilitation of the victims of such offences and for matters connected therewith or incidental thereto:-

Sl. No.	Name	Designation	Act as Committee	Mobile No.
01	Dr.S.K.Mishra	Principal	Chairman	9337182234/9437444960
02	Dr. Debasis Tripathy	HOD, Electrical Engineering	Member	8144541323
03	Anurag Kumar	Vice-Principal	Member	7004909062
04	Prayag prajapati	Asst. Prof., Mechanical	Member	7903839319
05	Jitendra Padhi	HOD, Mechanical	Member	8895781339
06	Ram Chandra Kisku	Lecturer, Mathematics	Member	9006597910

Concerned ST&SC students and staff members and their parents may henceforth approach the committee for ST&SC for any complaint that comes under the purview of above act.

Establishment of above committee shall come into effect immediately and shall remain in force until further notification on the issue.

  
(Dr. S.K.Mishra)  
Principal

**Principal**  
**Beharagora Polytechnic**

Copy to: Notice Board/ Director/All Members/ All HODs/ Office of Principal/Circular for Staff



## BEHARAGORA POLYTECHNIC, BAHARAGORA, JHARKHAND

Established by Govt. of Jharkhand, Approved by AICTE, New Delhi & Recognized by SBTE/JUT, Jharkhand  
(Run by LNJP Foundation)

Ref.No-BP/ESTD/ADM/12

Date: 28/02/2022

### OFFICE ORDER

#### **SUBJECT: Constitution of Internal Complaints Committee (ICC)**

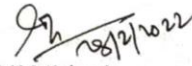
In accordance to Section 4 (1) of the sexual harassment of women at workplace (Prevention, Prohibition and Redressal) Act, 2013 (14 of 2013) and OM dated 21.07.2009 in F.No.11013/3/2009-Esst.(A) issued by the Department of personnel & Training, Govt. of India, Beharagora Polytechnic, Baharagora has re-constituted an Internal Complaints Committee (ICC) for the AY-2021-22 to inquire into the complaints of sexual harassment of female employees and female students of the institute.

The ICC comprises of the following members:

Sl.No.	Name	Designation	Appointed as	Contact No.
01	Dr.S.K.Mishra	Principal	Chairman	9337182234
02	Anurag Kumar	Vice-Principal	Member	7004909062
03	Mrs.Debjani Banerjee	Lecturer, English	Member	7008292286
04	Ms. Priyanka Priyadarshini	Lecturer, English	Member	8252626617
05	Mr. Jitendra Padhi	HOD, Mechanical	Member	8895781339

The committee shall address all grievances relating to the Sexual harassment of women at the work place in Beharagora Polytechnic in line with the Sexual Harassment of Women at workplace (Prevention, Prohibition and Redressal) Act.2013 and other relevant Law/Act/rules and shall submit its recommendations to the Principal, Beharagora Polytechnic in each case.

All matters relating to the sexual harassment of women at the workplace in Beharagora Polytechnic must be brought to the notice of the chairman of the committee without any delay and fear.

  
(Dr.S.K.Mishra)  
Principal

Copy to: Notice Board/ Director/All Members/ All HODs/ Office of Principal/Enclosure for Staff



## BEHARAGORA POLYTECHNIC, BAHARAGORA, JHARKHAND

Established by Govt. of Jharkhand, Approved by AICTE, New Delhi & Recognized by SBTE/JUT, Jharkhand  
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Ref.No-BP/ESTD/ADM/13

Date: 08/03/2022

### OFFICE ORDER

#### COMPOSITION OF INTERNAL QUALITY ASSURANCE CELL (IQAC)

The Beharagora Polytechnic established the IQAC during October-2019. The IQAC works towards realizing the goal of quality enhancement by developing a system for conscious, consistent and catalytic improvement in different aspects of functioning of the college.

The quality policy and program shall be implemented through the following IQAC committee which is re-constituted On 08<sup>th</sup> March 2022.

Sl. No.	Member Category	Name of the Committee Member	Appointed As	Designation, Contact No. and Address
01	Head of the Institution	Dr. Sanjat Kumar Mishra	Chairman	Principal, Beharagora Polytechnic, M-9437444960
02	Representative of Faculty Member	Mr. Debasis Tripathy	Coordinator	Head-Electrical M-8144541323
03	Representative of Faculty Member	Mr. Jitendra Padhi	Member	HOD, Mechanical Engg. M-8895781339
04	Representative of Faculty Member	Mr. Prayag Prajapati	Member	Asst. Prof., Mechanical Engg. M-7903839319
05	Representative of Faculty Member	Mr. Sanjay Bagh	Member	HOD, Civil Engg. M-8249524323
06	Representative of Faculty Member	Mr. Khusadhar Gorai	Member	Asst. Prof., Physics M-7077809407
07	Representative of Faculty Member	Mr. Priyaranjan Nayak	Member	Lecturer, Comp. Sc. M-6370017482
08	Representative of Faculty Member	Ms. Debjani Banerjee	Member	Lecturer, English M-8895148455

The membership of such nominated members shall be for a period of two years. The IQAC should meet at least once in a quarter. The quorum for the meeting shall be two-third of the total number of members. The agenda, minutes and Action Taken Reports are to be documented with official signatures and maintained electronically in a retrievable format.

**Principal**  
**Beharagora Polytechnic**



## BEHARAGORA POLYTECHNIC, BAHARAGORA, JHARKHAND

Established by Govt. of Jharkhand, Approved by AICTE, New Delhi & Recognized by SBTE/JUT, Jharkhand

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### The IQAC shall have the following function:

- Development and application of quality benchmarks/parameters for the various academic and administrative activities of the Colleges;
- Facilitating the creation of a learner-centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- Arrangement for feedback responses from students, parents and other stakeholders on quality related institutional processes;
- Dissemination of information on the various quality parameters of higher education;
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- Documentation of the various programmes / activities of the College, leading to quality improvement

*S.K.*  
08/08/2022

Dr.S.K.Mishra  
Principal

**Principal**  
**Benaragora Polytechnic**

Copy to: Notice Board/ Director/All Members/ All HODs/ Office of Principal/Circular for the Staff





## BEHARAGORA POLYTECHNIC, BAHARAGORA, JHARKHAND

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Ref.No-BP/ESTD/ADM/10

Date: 28/02/2022

### OFFICE ORDER

Subject: Re-Constitution of Institute Level Anti-Ragging Committee for the Academic year 2021-22

Ref: AICTE Notification No. F. No. 37-3/Legal/AICTE/2009, Dated 01-07-2009

In pursuance of the AICTE Notification, Beharagora Polytechnic College has Re-constituted Institute Level Anti-Ragging Committee for the Academic year 2021-22 with the following representatives as members towards prevention of prohibition of ragging in the Institute.

Sl. No.	Member Category	Name of the Committee Member	Appointed As	Designation, Contact No. and Address
01	Head of the Institution	Dr. Sanjat Kumar Mishra	Chairman	Principal, Beharagora Polytechnic, M-9337182234
02	Representative of Faculty Member	Dr. Debasis Tripathy	Member	HOD, Electrical Engineering M-8144541323
03	Representative of Faculty Member	Mr. Anurag Kumar	Member	Vice-Principal M-7004909062
04	Representative of Faculty Member	Mr. Jitendra Padhi	Member	HOD, Mechanical Engineering M-8895781339
05	Representative of Faculty Member	Mr. Prayag Prajapati	Member	Asst. Prof., Mechanical M-7903839319
06	Representative of Faculty Member	Miss Debjani Banerjee	Member	Lect., English M-7008292286
07	Civil Administration	Sri Rajesh Kumar sahu	Member	B.D.O., Baharagora Block, Baharagora, M-8987492575
08	Police Administration	Sri Chandra Shekhar kumar	Member	SI, Baharagora Police Station, Baharagora, M- 97711314113
09	Representative of Non-teaching Staff	Mr. Tulsi p. swain	Member	Administrative Staff, Beharagora Polytechnic, M-7004369092
10	Non Government Organization	Social Welfare Organisation for Strengthening Today's India(SWOSTI)	Member	At/Po-Jharpokharia, Mayurbhanj

  
Principal  
Beharagora Polytechnic



## BEHARAGORA POLYTECHNIC, BAHARAGORA, JHARKHAND

Established by Govt. of Jharkhand, Approved by AICTE, New Delhi & Recognized by SBTE/JUT, Jharkhand

(Run by LNJP Foundation)

11	Representative of Parents	Mr. Gouri Shankar Dash	Member	At/Po- Kokpora, PS-Dhalbhumgarh, East-Singhbhum, Jharkhand M-9771832076
12	Representative of Parents	Bhakta Narayan Mandal	Member	At: Mohanpur, PO/PS: Baharagora, East-Singhbhum, Jharkhand M-8789090739
13	Representative of Students(Boys-3 <sup>rd</sup> Year)	Tapas Rout (Electrical) Regd. No.- 19405080040	Member	At/Po-Baharagora. East-Singhbhum, Jharkhand M-9110103133
14	Representative of Students(Girls-3 <sup>rd</sup> Year)	Debala Maity (Civil) Regd. No.- 19406030013	Member	At- Ichrasole, Po- Baharagora, East singhbhum, Jharkhand-832101 M-7004392919
15	Representative of Students(Boys-2 <sup>nd</sup> Year)	Animesh Shaw (Mechanical) Regd. No- 20406120021	Member	AT GHATDUBRAJPUR PO KAIMI PS BAHARAGORA 832101 M-6204990838
16	Representative of Students(Girls-2 <sup>nd</sup> Year)	SILKY KUMARI (Electrical) Regd. No- 20406080056	Member	H. No. 82E pandey muhalla Jjugsalai, Jamshedpur 831006 M-6207674069

*S.K.M.*  
28/02/2022

Dr.S.K.Mishra  
Principal

**Principal**  
**Benaragora Polytechnic**

Copy to: All the Members/Notice Boards



## BEHARAGORA POLYTECHNIC, BAHARAGORA, JHARKHAND

Established by Govt. of Jharkhand, Approved by AICTE, New Delhi & Recognized by SBTE/JUT, Jharkhand

(Run by LNJP Foundation)

Ref.No-BP/ESTD/ADM/17

Date: 08/03/2022

### CIRCULAR

#### Subject: Formation of Grievance Redressal Cell

Ref: AICTE Notification No. F. No. 37-3/Legal/2012, Dated 25-05-2012

In pursuance of the AICTE Notification, Beharagora Polytechnic College has Re-constituted Institute Level Grievance Redressal Cell on 08/03/2022 for the Academic year 2021-22 with the following representatives as members. Accordingly, all are here by informed to follow the instructions given by the AICTE from time to time. Students having any complaints/grievances shall contact any of the following members of the grievance cell.

Sl. No.	Member Category	Name of the Committee Member	Appointed As	Designation, Contact No. and Address
01	Head of the Institution	Dr. Sanjat Kumar Mishra	Chairman	Principal, Beharagora Polytechnic, M-9437444960
02	Representative of Faculty Member	Mr. Anurag Kumar	Member	Vice-Principal, Beharagora Polytechnic, M-7004909062
03	Representative of Faculty Member	Mr. Prayag Prajapati	Member	HOD, Mechanical Engg. /Boys Hostel Superintendent M-7903839319
04	Representative of Faculty Member	Mrs. Debjani Banerjee	Member	Lecturer, English M-7008292286
05	Representative of Faculty Member	Dr. Debasis Tripathy	Member	HOD, Electrical , M-8144541323
06	Representative of Faculty Member	Mr. Priyaranjan Nayak	Member	Lecturer, Comp. Sc./Superintendent(Girls Hostel), M-9861106109
06	Representative of Non-teaching Staff	Ms. Epsita Behera	Member	Lib. Asst. M-9658351681
07	Representative of Non-teaching Staff	Mr. Niranjana Nayak	Member	Establishment Section, M-7488166455
08	Representative of Students(Boys)	Animesh Shaw (Mechanical) Regd. No-20406120021	Member	AT GHATDUBRAJPUR PO KAIMI PS BAHARAGORA M-6204990838
09	Representative of Students(Girls)	SILKY KUMARI ,Electrical Regd. No-20406080056	Member	H. No. 82E pandey muhalla Jjugsalai, Jamshedpur 831006M-6207674069

(Dr.S.K.Mishra)

Principal

**Principal**

Copy to: College Notice Board/ Hostel Notice Board/All HODs/Concern Person **Beharagora Polytechnic**

NH-33, P.O. Baharagora, Dist: East Singhbhum, Jharkhand, Pin-832101

Web: [www.baharagorapolytechnic.org](http://www.baharagorapolytechnic.org)

Name of the Department	• DEPT. OF MECHANICAL ENGG.			
Course	• Mechanical Engineering			
Level	• Diploma			
Fee	• As per approval from Fee Fixation Committee, Govt. of Jharkhand			
1 <sup>st</sup> Year of approval by the Council	• 2017			
Year wise Sanctioned Intake	• 2017- 60,	2018 - 60,	2019 -120.	2020-180
Year wise Actual Admissions (Including TFW)	• 2017- 57,	2018 - 58,	2019- 106.	2020-160

Name of the Department	• DEPT. OF ELECTRICAL ENGG.			
Course	• Electrical Engineering			
Level	• Diploma			
1 <sup>st</sup> Year of approval by the Council	• 2017			
Year wise Sanctioned Intake	• 2017- 60,	2018 - 60,	2019 -60.	
Year wise Actual Admissions (Including TFW)	• 2017- 52,	2018 - 57,	2019 -54.	2020-61
Fee	• As per approval from Fee Fixation Committee, Govt. of Jharkhand			

Name of the Department	• DEPT. OF CIVIL ENGG.
Course	• Civil Engineering
Level	• Diploma
1 <sup>st</sup> Year of approval by the Council	•2017
Year wise Sanctioned Intake	• 2017- 60, 2018 - 60, 2019 -60. 2020-60
Year wise Actual Admissions (Including TFW)	• 2017- 44, 2018 - 58, 2019 -36. 2020-50
Fee	• As per approval from Fee Fixation Committee, Govt. of Jharkhand

Name of the Department	• DEPT. OF MINING ENGG.
Course	• Mining Engineering
Level	• Diploma
1 <sup>st</sup> Year of approval by the Council	•2017
Year wise Sanctioned Intake	• 2017- 60, 2018 - 60, 2019 -60. 2020-closed
Year wise Actual Admissions (Including TFW)	• 2017- 57, 2018 - 39, 2019 -36.
Fee	• As per approval from Fee Fixation Committee, Govt. of Jharkhand

Name of the Department	• DEPT. OF METALLURGY ENGG.
Course	• Metallurgy Engineering
Level	• Diploma
1 <sup>st</sup> Year of approval by the Council	• 2017
Year wise Sanctioned Intake	• 2017- 60, 2018 - 60, 2019- 2019-closed
Year wise Actual Admissions (Including TFW)	• 2017- 40, 2018 - 34,
Fee	• As per approval from Fee Fixation Committee, Govt. of Jharkhand

Name and Duration of programme(s) having Twinning and Collaboration with Foreign University(s) an being run in the same campus along with status of their AICTE approval. - **NA**

## FACULTY LIST

SL.NO	NAME	DESIGNATION	DATE OF JOINING	QUALIFICATION
1	DR.SANJAT KUMAR MISHRA	PRINCIPAL	07-01-17	M.E., Ph.D
2	ANURAG KUMAR JHA	VICE-PRINCIPAL, ASST.PROF.	07-01-17	M.Tech
3	MUKTESWAR KUNDU	PROF. MINING	13-07-17	B.Tech
4	PRAYAG PRAJAPATI	ASST. PROF., MECHANICAL	13-07-17	M.Tech
5	BHOBENDU BHOL	LECTURER, MECHANICAL	15-11-17	B.Tech
6	TEJ NARAYAN MAHTO	LECTURER, MECHANICAL	08-04-17	B.Tech
7	PRIYANKA VERMA	LECTURER, CHEMISTRY	21-10-21	M.Sc
8	PRIYARANJAN NAYAK	LECTURE, COMP. SC.	14-05-18	MCA
9	DEBJANI BANERJEE	LECTURER, ENGLISH	07-02-18	M.A.
10	RAM CHANDRA KISKU	LECTURER, MATHEMATICS	20-10-21	M.SC.
11	MOUSUMEE HARAPRIYAROU	ASST. PROF., CIVIL	22-10-18	M.Tech
12	JITENDRA KUMAR MANDAL	LECTURER, MECHANICAL	25-10-21	B.E.
13	SAKLESH NAG	LECTURER, CIVIL	21-11-18	B.Tech
14	SHIVAM KUMAR	LECTURER, MECHANICAL	22-10-21	B.Tech
15	KUSHADHAR GORAI	ASST. PROF., PHYSICS	16-11-18	M.Sc.
16	RAVIKANT	LECTURER, MINING	04-10-21	M.Tech
17	VIJAYANT PRATAP SINGH	LECTURER, MINING	04-10-21	B.Tech
18	SANJAY KUMAR BAGH	LECTURER, CIVIL	02-04-19	B.Tech
19	NARENDRA GHRITKAUSHIK	ASST. PROF., CIVIL	03-07-19	M.Tech
20	PANKAJ BHUSAN	LECTURER, ELECTRICAL	03-01-20	B.Tech.
21	RAMESH KUMAR	LECTURER, ELECTRICAL	03-01-20	B.Tech.
22	JAYANTA KUMAR GHOSH	LECTURER, MATHEMATICS	03-01-20	MSC,B.ED
23	LAKSHMI KANTA MAITY	LECTURER, CHEMISTRY	03-01-20	M.Sc.
24	DR.DEBASHISH TRIPATHY	ASST. PROF., ELECTRICAL	05-01-21	M.Tech., Ph.D
25	SOUMITRA PAL	LECTURER, PHYSICS	15-05-21	M.Sc.
26	SARBANI RANA	LECTURER, ENGLISH	12-03-20	M.A.
27	VIKASH KUMAR	LECTURER, MECHANICAL	17-08-19	M.Tech
28	VIKRAM SINGH	LECTURER, CIVIL	19-08-19	B.Tech
29	VIKAS SAMAD	LECTURER, MECHANICAL	16-06-19	B.Tech
30	PRIYANKA PRIYADARSHINI	LECTURER, ENGLISH	10-05-21	M.A.
31	SURESH KUMAR	LECTURER, ELECTRICAL	19-08-19	B.Tech.
32	JITENDRA PADHI	ASST. PROF., MECHANICAL	04-01-22	M.Tech

Admission Quota	<ul style="list-style-type: none"> <li>• 80 % - JCECE Board &amp; 20% Management Quota.</li> </ul>
Entrance Test / Admission Criteria	<ul style="list-style-type: none"> <li>• Examination conducted by JCECE Board. If Seats remain vacant, then Direct Admission as per criteria fixed by the Dept. of Higher, Technical Education &amp; Skill Development, Govt. of Jharkhand and Jharkhand University of Technology, Ranchi.</li> </ul>
Fees in Rupees	<ul style="list-style-type: none"> <li>• As per directives of Fee Fixation Committee, Govt. of Jharkhand</li> </ul>
Number of Fee Waivers offered	<ul style="list-style-type: none"> <li>• 5% of total intake (Only through JCECE Board)</li> </ul>
Admission Calendar	<ul style="list-style-type: none"> <li>• August every year</li> </ul>
PIO quota	<ul style="list-style-type: none"> <li>• No</li> </ul>

#### **Information of Infrastructure and other Resources Available:**

- Number of Classrooms and size of each - 15 classrooms of minimum size 95 Sq. M.
- Number of Tutorial rooms and size of each - 4 Tutorial rooms of minimum size 33 Sq. M.
- Number of laboratories and size of each - 28 Laboratories of minimum size 66 Sq. M.
- Number of Drawing halls with capacity of each - 1 Drawing hall with capacity of 60.
- Number of Computer Center - 1 Computer center
- Central Examination Facility, Number of Rooms and capacity of each - 1 Room is for Central Examination facility as per AICTE norms
- Barrier free Built Environment for disabled and elderly persons - Available
- Occupancy Certificate - Available and Submitted to AICTE Portal
- Fire and Safety Certificate - Available and submitted to AICTE Portal
- Hostel Facilities - Available

#### **Library:**

- Number of Library Books: 3100
- Number of Titles: 300
- Journals available: 12
- List of online Journals /International Journals subscribed: N/A



Laboratory and Workshop:

- List of Major Equipment/Facilities in each Laboratory/Workshop
- List of Experimental setup in each Laboratory/Workshop

**Laboratory Details –**

**Basic Department (1<sup>st</sup> Year Common paper)**

**CHEMISTRY LAB**

Department & 1st Year's common Subject Lab	Name of Laboratory (*As per syllabus of JUT)	Major Equipments	
CHEMISTRY	ENGINEERING CHEMISTRY LAB.	<b>ENGG. CHEMISTRY -I AND ENGG. CHEMISTRY-II</b>	
		<b>SALTS:</b>	CuSO <sub>4</sub> , Al(NO <sub>3</sub> ) <sub>3</sub> , FeSO <sub>4</sub> , FeCl <sub>3</sub> , Cr(NO <sub>3</sub> ) <sub>3</sub> , NiSO <sub>4</sub> , MgCl <sub>2</sub> , KCl, BaCl <sub>2</sub> , AgNO <sub>3</sub> , NaCl, NH <sub>4</sub> Cl, Na <sub>2</sub> CO <sub>3</sub> , NaHCO <sub>3</sub> , mohr's salt, CaCO <sub>3</sub> , Borax, KNO <sub>3</sub> .
		<b>REAGENTS:</b>	KMnO <sub>4</sub> , NaOH, H <sub>2</sub> SO <sub>4</sub> , HCl, HNO <sub>3</sub> , NH <sub>4</sub> OH, CH <sub>3</sub> COOH, K <sub>2</sub> CrO <sub>4</sub> , DMG, NH <sub>4</sub> SCN, EDTA, Oxalic Acid, Nessler's Reagent, Titan Yellow, Ammonia Buffer Solution, Lead Acetate, Tartaric Acid, Alizarin-S, Ammonium Molybdate, Acetone, EBT-Indicator, Formaldehyde, Methyl Orange and Phenolphthalein indicator, Phenol Crystal, Potassium Ferrocyanide, Sodium Cobalt nitrate, Palmetic Acid, Oil Paint.
		<b>INSTRUMENTS:</b>	Digital P <sup>H</sup> Meter, Digital Conductivity Meter, Digital DO Meter, Hot Plate, DC Regulated Power Supply, Distilled Water plant.
		<b>APPARATUS:</b>	Viscometer China Dish, Pt Wire, Double Blue Glass, Bunsen burner, Burette, Pipette, Beaker, Glass rod, Measuring Cylinder, weight machine, Conical Flask, Test-tube, Test-tube Holder, Funnel, volumetric Flask, Tong, Wash bottle, Mica foil, Burette stand, Spot Plate.

**PHYSICS LAB**

Department & 1st Year's common Subject Lab	Name of Laboratory (*As per syllabus of JUT)	Major Equipments
<b>Physics</b>	Engineering physics lab - I	resonance apparatus
		Searles apparatus
		Travelling Microscope
		Viscometer
		Glass slab
		Pullingers apparatus
		Screw gauge
		Slide calliper
		Spherometer
		Tuning fork
		Thermometer
		Capillary tube
		Drawing Board
	Engineering physics lab - II	Helical spring apparatus
		Compound bar pendulum
		Spectrometer device
		Ohms Law Apparatus
		Capacitor
Galvanometer		
	Prism	

**COMMUNICATION SKILL LAB**

Department & 1st Year's common Subject Lab	Name of Laboratory (*As per syllabus of JUT)	Major Equipments
Communication skills	Language Lab	30 No. of computer system
		2 projector
		one digital sound system
		one microphone

**COMPUTER LAB**

Department & 1st year common sub lab	Name of laboratory as per syllabus of JUT	Major Equipments
		Internet, Note Pad, My SQL, Computer System, Projector
		Blue JAVA
	C language	Turbo c software
		Turbo c++ software
		Turbo c software

## MECHANICAL LAB

Department & 1st Year's common Subject Lab	Name of Laboratory (*As per syllabus of JUT)	Major Equipments
<b>1ST YEAR</b>		
<b>Mechanical engg. Lab(1st year)</b>	workshop practice -1	Lathe machine
		Drilling machine
		Grinding machine
		Soldering iron
<b>Mechanical engg. Lab(1st year)</b>	workshop practice -2	Arc welding
		Power hacksaw
		Furnace
		Milling machine
<b>Mechanical engg. Lab(1st year)</b>	Engg. Graphics	Model of solid (geometrical figure)
		Drawing hall Setup
<b>2ND YEAR</b>		
<b>Mechanical engg. Lab(2nd year)</b>	Machine drawing lab	Drawing hall setup
<b>Mechanical engg. Lab(2nd year)</b>	Engg. Mechanics lab	Polygon law of forces apparatus
		Law of moment
		Jib crane apparatus
		Friction apparatus
		Truss apparatus
		Worm and worm wheel
		Differential axle and wheel
		Screw jack
		Winch crab apparatus
		Lamis theorem apparatus
		Parallelogram laws of forces
		Reaction in beam apparatus
<b>Mechanical engg. Lab(2nd year)</b>	strength of material lab	Searls apparatus
		UTM
		Torsional machine
		Brinell hardness tester
		Rockwell hardness tester
		Impact testing machine
		Flywheel apparatus
<b>Mechanical engg. Lab(2nd year)</b>	Manufacturing tech. lab	Spot welding machine
		TIG/MIG Welding machine
		Wood turning lathe
		Forging shop
		Green sand

		Multi piece pattern core/ Mould
		Lathe machine
		Milling machine
		Drilling machine
<b>Mechanical engg. Lab(2nd year)</b>	Fluid mechanics and machine lab	Bourdon pressure gauge
		Metacentric height
		Bernouli's theorem
		venturimeter / orifice meter
		Minor losses due to friction in pipes
		Coefficient of discharge through rectangular notch and triangular notch
<b>Mechanical engg. Lab(2nd year)</b>	Thermal engg. Lab	Thermal conductivity of solid metallic rod
		Stefan boltzman law
		Babcock and willcox boiler model
		Lancashire boiler model
<b>Mechanical engg. Lab(2nd year)</b>	Theory of machine lab	Universal governor apparatus
		Hartnell governor
		protell governor
		cam and follower model
		2 and 4 wheeler clutch plate model
		compound gear train model
		epicyclic gear train model
reversing gear train model		
<b>Mechanical engg. Lab(2nd year)</b>	Electrical engg lab	power consumption in various lamps
		measurement of armature and field resistance of dc machine
		V-I characteristics
		R- L- C circuit
		Thevenin and norton theorem
<b>3RD YEAR</b>		
<b>Mechanical engg. Lab(3rd year)</b>	Power engg lab	Sectional model of 2S SI engine
		Sectional model of 4- stroke SI engine
		Sectional model of 4- stroke CI engine
		Sectional model of 2- stroke CI engine
		IC,4S petrol engine test rig
		IC,4S diesel engine test rig
<b>Mechanical engg. Lab(3rd year)</b>	Adv. Manufacturing process lab	CNC lathe trainer setup
<b>Mechanical engg. Lab(3rd year)</b>	Metrology and quality control lab	Surface plate
		v-block with clamp
		combination set
		micrometer
		profile projector
		vernier calliper

		sine bar
		screw thread micrometer
<b>Mechanical engg. Lab(3rd year)</b>	Industrial fluid power lab	meter in and meter out ckt
		Sequencing ckt
		Hydraulic ckt for shaper machine
		pneumatic ckt for double acting cylinder
<b>Mechanical engg. Lab(3rd year)</b>	Measurement and automation lab	Strain gauge
		stroboscope
		rotameter
		inductive transducer
		thermocouple
		thermistor
		load cell
Elective lab - II		
<b>Mechanical engg. Lab(3rd year)</b>	Alt. source energy lab	solar water heater apparatus
		photovoltaic cell apparatus
	Electronics engg lab	oscilloscope
		digital multimeter and LCR meter
		semiconductor diode
		transistor
		FET

### **ELECTRICAL-LAB**

<b>Department &amp; Year's common sub. Lab</b>	<b>Name of Laboratory(*As per syllabus of JUT)</b>	<b>Major Equipments</b>
ELECTRICAL 2nd Year	Measurement Lab	Maxwell Bridge
		Hay Bridge
		Schering bridge
		Wheatstone bridge
		LVDT
		LCR Impedance ckt
		Voltage & current trainer kit
		Resonance kit
		Tank circuit
		Kelvin double bridge
		3 $\phi$ resistive load box
		1- $\phi$ energy meter
		3- $\phi$ energy meter

		Power measurement kit (3- $\phi$ )	
	Basic Electronics Lab	FET kit	
		PN Diode kit	
		Diode & zener kit	
		UJT kit	
		Transistor kit	
		H-Parameter kit	
		RC coupled kit	
	Basic Electrical Lab	Ohm's law kit	
		Kirchoff's law kit	
		Power consumption kit	
		Time fusing kit	
		1- $\phi$ energy meter kit	
		DC M/C kit	
			open ckt and short ckt transformer kit
ELECTRICAL 3RD YEAR	Electrical M/C Lab-I (DC M/C)	DC Series Motor	
		DC Shunt Generator	
		DC shunt Motor	
		1- $\phi$ transformer	
		3- $\phi$ transformer	
		3- $\phi$ Point stator	
		4-Point Stator	
		Meggar	
		Auto transformer	
		Voltage Regulator	
		Network theory Lab	CRO
			R-L-C series ckt
			R-L-C Parallel ckt
			Super position theorem kit
			KCL-KVL kit
			Ohm's low kit
			Maximum power kit
			Thevenin's theorem kit
			Norton's theorem kit
			Multimeter
		Digaital ckt & Microproceesor Lab	Logic gate kit
			Boolean algebra kit
			4 bit adder & substractor kit
			Shift register kit
		Electrical M/C Lab - II	3- $\phi$ Induction Motor
			1- $\phi$ capacitor start IM

		3- $\phi$ wound rotor Induction Motor
		Synchronous 3- $\phi$ Motor
		Motor-generator set
		Auto transformer
		3- $\phi$ Load resistance
		Star-delta stator
		Clamp meter
		Speedometer

**CIVIL-LAB**

Department & Year's common sub. Lab	Name of the Laboratory (*As per syllabus of JUT)	Major Equipments
BUILDING MATERIAL	BUILDING MATERIAL LAB	(1) Compression Testing Machine (2)Abrasion Testing Machine (3)Compression Testing Machine(elec -trically operated) (4)Tensile Strength Testing machine (5)Slum Cone Apparatus
STRENGTH OF MATERIAL	STRENGTH OF MATERIAL LAB	(1)Universal Testing Machine (2)Support Reaction of Beam (3)Torsion Testing Machine (4)Compression Testing Machine (5)Flexure Testing Machine
SURVEYING	SURVEYING LAB	(1)Chain 30m,100ft (2)Tape 20m,30m (3)Ranging Rod (4)Optical Square (5)Dumpy Level (6)Auto Level (7)Prismatic Compas (8)Surveyor compas (9)Plane Table (10)Theodolite (11)Digital Theodolite,Digital Planimeter (12)Total Station
TRANSPORTATION ENGG,	TRANSPORTATION ENGG. LAB	(1)Impact Testing Machine (2)Crushing Strength Testing Machine (3)Ductility Testing Machine (4)Penetration Testing Machine (5)IS Sieve: (40,20,12.5,10,4.75)mm ,Lead,Pan (6)Abrasion Testing Machine of Aggregate (7)Flakiness & Elongation Apparatus (8)Softening Point Test Apparatus

GEOTECHNICAL ENGG..	GEOTECHNICAL ENGG. LAB	(1)IS Sieve: (2.36,1.18)mm, (600,425,300,150,212,75)micro mt. Lead,Pan (2) Pycnometer (3)Electric Oven (4)Core Cutter Apparatus (5)Sand Replacement Appafratus (6)Casagrande's Apparatus (7)Proctor Test Apparatus (8)CBR Testing Machine
HYDRAULICS	HYDRAULICS LAB	(1)Bernoullis Apparatus (2)Darcy's Friction Factor Apparatus (3)Coefficient of Discharge,contrastion &velocity (Cd,Cc & Cv)( orifice) (4)Coefficient of Disharge of Venturimeter
ADVANCE SURVEYING	ADVANCE SURVEYING LAB.	(1)Electronic Theodolite (2) Total Station (3)EDM (5)Tape 30m,20m
ENVIRONMENTAL ENGG	ENVIRONMENTAL ENGG. LAB.	(1)B.O.D Test (2)C.O.D Test (3)Nitrate in Waste Water (4)Calsium, Potasium,Sodium determination (5)Coagulation & Precipitation



Department	Name of Laboratory(*As per syllabus of JUT)	Major Equipments
<b>2nd Year Mining</b>	Geology Lab	Requirement of ore Minerals.
		(Copper, Lead, Zinc,Alumunium, Manganese, Chromium,)
		bruntun compass
		Requirement of fossil (Glassopteris, brachiopoda,gastropoda, gangamopteris, ptillophillum)
	Rock engineering	Core Cutting Machines
	Mine Ventilation	Procurement of centrifugal fan with provition of Reversal.
		Annenometer
		Flame safety Lamp
		Kata thermometer
		Dry and wetbulb thermometer
		Velometer
	Gas testing lab	Flame safetylamp GL-7,GL-60
		Gas testing chamber along with gas cylinder
	Drilling accessories	Jack hammer
		pusser air leg
		lubricator
		drill rod(600/40 mm,1600/33mm,2000/32mm)
	blasting accersories	exploder battry type
		blasting cable (twin core copper) 10 M
		Ohm meter
		cutting pliers
stemming rod		
copper rod		
Support syyem	Sketches of short hole drilling pattern	
	support system(rock bolt wedge type,pointed end type along with bearing plate	
	wodden prop	
Mine Surveying	Chain 30m,100ft	
	Tape 20m,30m	
	Ranging Rod	

		Optical Square
		Dumpy Level
		Auto Level
		Prismatic Compass
		Surveyor compass
		Plane Table
		Theodolite
		Digital Theodolite

3rd Year Mining	Mine Environment Lab	Portable Fire extinguisher
		Instrument for measuring crossing point temperature
		Procurement of Gravimetric dust sampler(a) common balance(b)decicator
		Procurement of cap Lamp
	Mining machinery lab	Drum winder model
		Cage with suspension gear
		Safety devices used on rope haulage
		Electrical power cable used in mines 1. PILSDWA 2. PILSSWA
		Beslt conveyor model

**METALLURGICAL-LAB**

Department	Name of Laboratory (*As per syllabus of JUT)	Major Equipments
Basic foundary technology	Basic foundary technology lab	Foundary tools
		Patterns
		Mould
		Sand
		Clay
		Bentonite
		Laddle
		Electric arc furnace
Mechanical metallurgy	Mechanical metallurgy lab	Steam hammer
		Pneumatic hammer
Geology and chemical analysis	Geology lab	Hematite ore
		Quartz
	Chemical anlaysis	Mineralogical microscope
Advance foundary technology	Advance foundary technology lab	uffle furnace
		Foundary tools
		Patterns
		Mould

		Sand
		Clay
		Bentonite
		Ladle
		Electric arc furnace
Welding technology	Welding technology lab	Arc welding setup
		2 phase arc welding
		3 phase arc welding
		seam welding
		spot welding
		TIG/MIG Welding
		SAW
Alloy steel	Alloy steel lab	Polising machine
		microscope
		Alluminium
		Brass
		Stainless steel
		High speed steel
		Cast iron

**Computing Facilities:**

- a. Internet Bandwidth - 32 mbps
- b. Number and configuration of system - 150
- c. Total Number of system connected by LAN - ALL
- d. Total Number of system connected by WAN - ALL
- e. Major software packages available - YES
- f. Special purpose facilities available - Yes
- g. Innovation cell - Yes
- h. Social Media Cell - Yes
- i. Compliance of NAD - Not applicable

**List of Facilities available:**

- a. Games and Sports facilities - Yes
- b. Extra Curricular activities - Yes
- c. Soft skill Development Facilities - Yes

**Teaching Learning Process:**

- a. Curricula and Syllabus for each of the programmes as approved by the University - YES
- b. Academic Calendar of the University - Available on University website
- c. Academic time table with the name of the faculty members handling the course - Available on Institution Notice Board

INFRASTRUCTURE INFORMATION

**BEHARAGORA POLYTECHNIC COLLEGE**

Building



**BOYS HOSTEL**



**GIRLS HOSTEL**



**STAFF QUATER**



**RAMP FACILITY FOR PHYSICALLY CHALLENGED**



## LANGUAGE-LAB



## COMPUTER-LAB



## PHYSICS -LAB



## CHEMISTRY -LAB

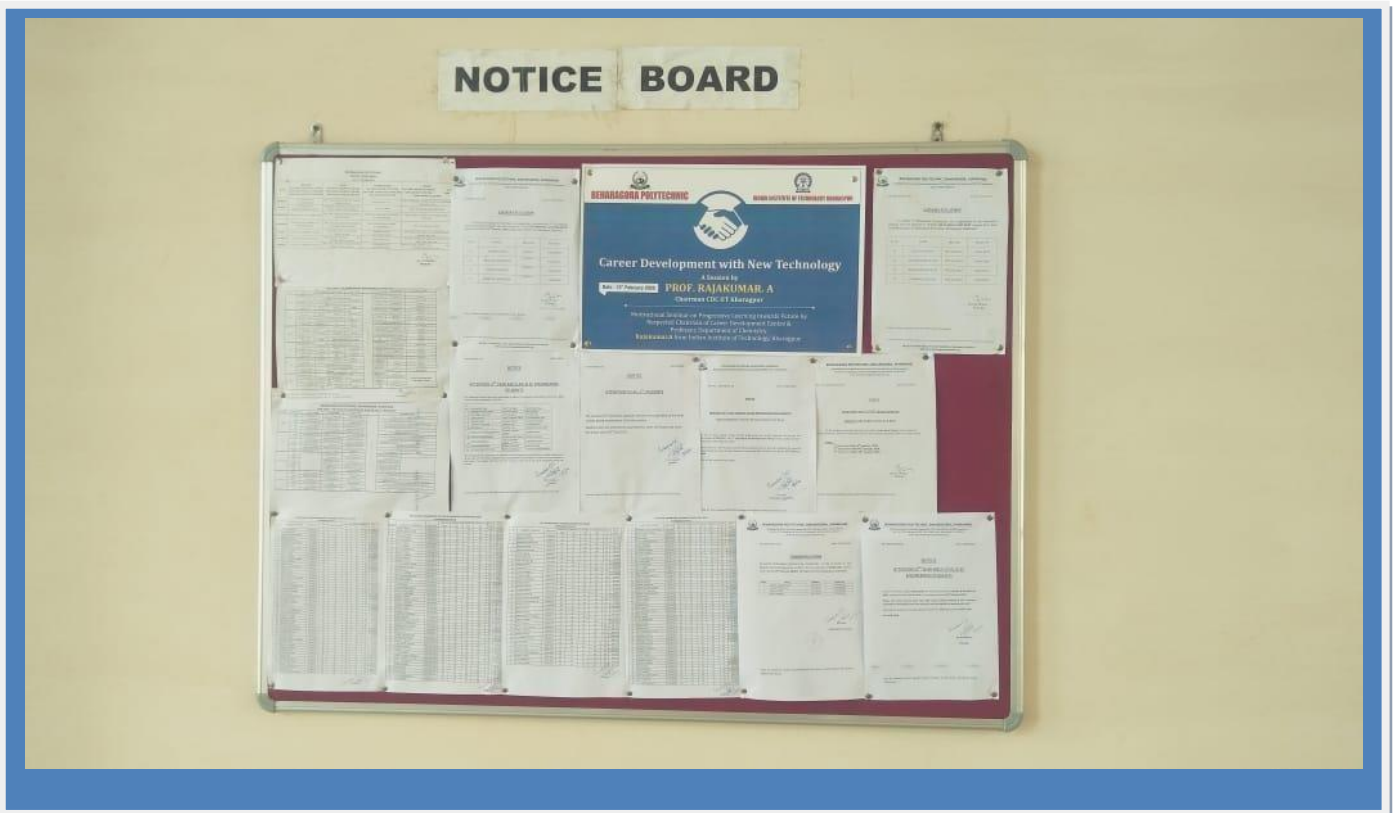




## DRAWING LAB



## NOTICE BOARD



## DEPARTMENTS - LAB

### STRENGTH OF MATERIAL AND THEORY OF MACHINE LAB



### POWER ENGINEERING/THERMAL ENGINEERING LAB



**BUILDING MATERIAL LAB**



**TRANSPORTATION LAB /GEOTECH LAB**



# ELECTRICAL MACHINE LAB



# ELECTRICAL ENGINEERING LAB



# ELECTRICAL MEASUREMENT LAB



# WORKSHOP



# MINING ENGINEERING LAB



# MECHANICAL MACHINE LAB









## DG SET & SOLAR SYSTEM



## **ANNEXURE - I** (Board of Governors)

SL.No.	Name	Designation
1	Mr. Malaya Kumar Padhi	Chairperson
2	Prof. Dr. Sanjat Kumar Mishra	Member
3	Prof. Bhabograhi Dash	Member
4	Mr. Surendra Prasad Sahu	Member
5	Mr. Manoj Kumar Palo	Member

# ANNEXURE - II (Organizational Chart)

## BEHARAGORA POLYTECHNIC

Baharagora-832101

