

**PEER TEAM REPORT**  
Institutional Accreditation(3rd Cycle) of



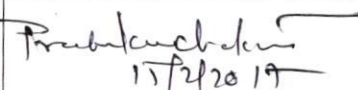
**Dhote Bandhu Science College**  
**Dist. Gondia , Maharashtra-441614.**

**(Visit Dates: 13-15<sup>th</sup> February, 2017)**



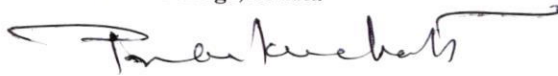
**National Assessment & Accreditation Council**  
(An autonomous Institution of the University Grants Commission)  
P.O. Box 1075, Nagarbhavi, Bangalore-560 072

**PROFILE OF THE INSTITUTION**

<b>Name of the Institution</b>	Dhote Bandhu Science College, Gondia		
	<b>Place:</b> Gondia	<b>State:</b> Maharashtra	
<b>Date of visit</b>	December 13 <sup>th</sup> – 15 <sup>th</sup> February, 2017.		
<b>Affiliating University</b>	Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.		
<b>Status of the College</b>	Affiliated <input checked="" type="checkbox"/> Constituent <input type="checkbox"/> Autonomous <input type="checkbox"/>		
<b>Financial Category</b>	Grant-in-aid <input checked="" type="checkbox"/> Government fund <input type="checkbox"/> Self-financing <input type="checkbox"/>		
<b>Type of College</b>	Men <input type="checkbox"/> Women <input type="checkbox"/> Co-education <input checked="" type="checkbox"/>		
<b>No of Departments</b>	Science: 12 : Any other: 01 Total: 13		
<b>No of Programmes</b>	<b>UG: 03</b>	<b>PG: 05</b>	<b>M. Phil.:--</b>
	<b>Ph. D: 03</b>	<b>Any other: 01</b>	<b>Total: 12</b>
<b>Year of Establishment</b>	1969		
<b>UGC Recognition</b>	Under 2 (f) and 12 (B): Both		
<b>Location of the College</b>	Urban <input type="checkbox"/> Semi-urban <input checked="" type="checkbox"/> Rural <input type="checkbox"/> Tribal <input type="checkbox"/>		
<b>Area of the Campus (in Sq.Mtr.)</b>	12141 Sq.Mtr. (3 Acres)		
<b>No of Teachers</b>	<b>Men</b>	<b>Women</b>	<b>Total</b>
<b>Permanent:</b>	18	06	24
<b>Temporary:</b>	14	43	57
<b>Total no. of Teacher Ph. D</b>	11	03	14
<b>Total no. of Teacher M. Phil</b>	01	01	02
<b>Total no. of Teacher P.G</b>	07	02	09
<b>No. of Non-teaching Staff</b>	47	03	50
<b>Technical Staff</b>	--	--	--
<b>Administrative Staff</b>	--	--	--
<b>No of Students</b>	676	1119	1795
<b>UG:</b>	631	985	1616
<b>PG:</b>	35	125	160
<b>M. Phil:</b>	-	-	-
<b>Ph. D:</b>	10	09	19
<b>Any other:</b>	-	-	-
<b>No</b>	<b>Designation</b>	<b>Name</b>	<b>Signature with date</b>
01	<b>Chairperson</b>	Prof. Shiba Prasad Rath	 15.2.17
02	<b>Member Co-ordinator</b>	Prof. K.A. Raveesha	 15/02/17
03	<b>Member</b>	Dr. Prabir Kumar Chakraborty	 15/2/2017
04	<b>NAAC Co-ordinating Officer</b>	Dr. Ganesh Hegde	

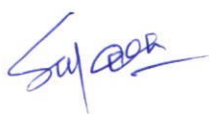


Dhote Bandhu Science College, Gondia


  
Signature of the Principal

 Seal Principal  
 Dhote Bandhu Science College,  
 Gondia (Maharashtra)


Peer Team Report on Institutional Reaccreditation(Third Cycle) of Dhote Bandhu Science College, Gondia -441614,Maharashtra.	
1.1 Name & Address of the Institution:	<b>Dhote Bandhu Science College, Gondia-441614 Maharashtra</b>
<b>Section I: General Information</b>	
1.2 Year of Establishment:	<b>1969</b>
1.3 Current Academic Activities at the Institution (Numbers):	
• Faculties/ Schools:	<b>01: Science</b>
• Departments/ Centres:	<b>UG: 11 PG: 05</b>
• Programmes/ Courses offered:	<b>UG:03 PG:05</b>
• Permanent Faculty Members:	<b>Total : 26</b>
• Permanent Support Staff:	<b>Total : 50</b>
• Students:	<b>UG – 1616 :PG – 160,Ph.D-19, Total : 1795</b>
1.4 Three major features in the institutional Context (As perceived by the Peer Team):	<ul style="list-style-type: none"> <li>• 48 year old Co education College with Potential for Excellence located in the Semi urban region</li> <li>• Grant in aid college offering UG, PG &amp; Ph.D programmes in Science catering to local needs</li> <li>• Good academic ambience and infrastructure</li> </ul>
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	<b>December 13<sup>th</sup> – 15<sup>th</sup> February, 2017.</b>
1.6 Composition of the Peer Team which undertook the on-site visit:	
Chairperson	<b>Prof. Shiba Prasad Rath</b> (Former Vice Chancellor, North Orissa University) Res.258-MIG-II,Kanan Vihar, Phase –II, Patia, Bhubaneswar-751 024, Orissa
Member Co-ordinator	<b>Prof. K.A. Raveesha</b> Coordinator, Centre for Innovative Studies in Herbal Drug Technology, Department of Studies in Botany, University of Mysore, Manasagangotri, Mysuru – 570006, Karnataka
Member	<b>Dr. Prabir Kumar Chakraborty</b> Former Principal Midnapur College ,Midnapur <b>Res:</b> Balaiji Complex,Flat No.4/6, Burdge Town, Mednipur- 721 101, West Bengal.
NAAC Officer:	<b>Dr. Ganesh Hegde, Adviser.</b>




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Section II: CRITERION WISE ANALYSIS	Observations
<b>2.1 Curricular Aspects:</b>	
2.1.1 Curricular Planning & Implementation:	<ul style="list-style-type: none"> <li>Adopts curricula designed and developed by respective Boards of Studies of affiliating University.</li> <li>Curriculum Designed for B.Voc, Advance Certificate course, Diploma and career oriented courses, Senior faculty are members of BOS.</li> <li>Teaching Plans prepared and implemented.</li> </ul>
2.1.2 Academic Flexibility:	<ul style="list-style-type: none"> <li>Many programs &amp; options at UG level ensuring flexibility.</li> <li>Follows Semester at UG &amp; CBCS at PG</li> <li>Course combinations are as per affiliating University norms</li> <li>College offers a few vocational and self-financed courses.</li> </ul>
2.1.3 Curriculum Enrichment:	<ul style="list-style-type: none"> <li>Career Oriented Programs and Community College Scheme</li> <li>Invited lectures, Field visits, Industrial visits and panel discussions adopted to supplement university curricula.</li> <li>Vocational courses for skill development.</li> </ul>
2.1.4 Feedback System:	<ul style="list-style-type: none"> <li>Regular Feedback System</li> <li>Systematic collection and scientific analysis of feedback needed.</li> <li>Feedback from all stake holders needed</li> </ul>
<b>2.2 Teaching-Learning &amp; Evaluation:</b>	
2.2.1 Student Enrolment and Profile:	<ul style="list-style-type: none"> <li>The college follows open and transparent admission process as per govt norms.</li> <li>Admission notices are publicized on notice board and website.</li> <li>Adopts inclusive admission policy catering to diverse student groups</li> </ul>
2.2.2 Catering to Student Diversity:	<ul style="list-style-type: none"> <li>Counseling and Skill development provided</li> <li>Limited facility for differently-abled students.</li> <li>Remedial Courses and Bridge Courses</li> </ul>
2.2.3 Teaching-Learning Process:	<ul style="list-style-type: none"> <li>Lecture method widely followed</li> <li>Field visit, Study Tour, Industrial Visits, Seminar and Projects in practice</li> <li>ICT enabled class rooms, in house designed online evaluation platform and good internet access.</li> </ul>

  
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2.2.4 Teacher Quality:	<ul style="list-style-type: none"> <li>Recruitment of faculty is as per University and state govt. regulations.</li> <li>Out of 81 teachers 14 are with PhD and 02 are with M.Phil.</li> <li>College supports faculty development programmes.</li> </ul>
2.2.5 Evaluation Process and Reforms:	<ul style="list-style-type: none"> <li>Revaluation mechanism in place</li> <li>Reforms and procedures of affiliating university adopted.</li> <li>Unit test, practical test and IA Test conducted</li> </ul>
2.2.6 Student Performance and Learning-Outcomes:	<ul style="list-style-type: none"> <li>Average pass percentage in all the courses</li> <li>Satisfactory placement of students in Industry</li> <li>Structured data collection and analysis of student performance and learning outcomes yet to be initiated</li> </ul>
<b>2.3 Research, Consultancy &amp; Extension:</b>	
2.3.1 Promotion of Research:	<ul style="list-style-type: none"> <li>Research Advisory Committee is in place. Ten faculty recognized as Research supervisors.</li> <li>Chemistry, Botany and Physics departments recognized as centres of Higher Learning &amp; Research.</li> <li>Research festival "Avishkar" for students organized.</li> <li>Organized 15 Conferences/Seminar/Workshops</li> </ul>
2.3.2 Resource Mobilization for Research:	<ul style="list-style-type: none"> <li>11 Major Research Projects sanctioned by UGC out of which 10 completed and 01 ongoing during last five years.</li> <li>Limited financial support provided by management.</li> <li>Large scope for mobilization of funds from national funding agencies</li> </ul>
2.3.3 Research Facilities:	<ul style="list-style-type: none"> <li>Basic research facility developed from CPE &amp; Other Grants.</li> <li>Access to E-resources provided through N-LIST-INFLIBNET and Wi-fi facility</li> <li>Inadequate Research journals and modern research equipments.</li> </ul>
2.3.4 Research Publications and Awards :	<ul style="list-style-type: none"> <li>One patent filed, h-index is 13 and 561 citations</li> <li>Teachers need to be motivated for research culture and research publications in standard journals.</li> <li>95 publications in journals and 82 conference presentations by faculty.</li> </ul>
2.3.5 Consultancy:	<ul style="list-style-type: none"> <li>Free consultancy services</li> <li>Clear consultancy policy is needed</li> </ul>

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2.3.6 Extension Activities and Institutional Social Responsibility:	<ul style="list-style-type: none"> <li>• Extension activities mainly through NSS, NCC &amp; Science Forum</li> <li>• College sensitizes students with institutional social responsibility.</li> <li>• College conducts programmes on social issues in partnership with local bodies and institutes.</li> </ul>
2.3.7 Collaborations	<ul style="list-style-type: none"> <li>• Some International, National, State level Informal collaborations exists.</li> <li>• MOU'S made with some industries for faculty development, research &amp; placement</li> </ul>
<b>2.4 Infrastructure and Learning Resources:</b>	
2.4.1 Physical Facilities:	<ul style="list-style-type: none"> <li>• Campus area 12141 Sq.Mts with 2457 Sq. Mts. built up area</li> <li>• Adequate number of class rooms, seminar hall with ICT facility, student labs supported by Digital learning center, auditorium.</li> <li>• Outdoor and indoor Sports facilities available supported by Gymnasium, Cultural hall and canteen.</li> </ul>
2.4.2 Library as a Learning Resource:	<ul style="list-style-type: none"> <li>• Library housed in 248.22 Sq.Mts with a seating capacity for 45.</li> <li>• 30487 books on rack, 6787 Titles and 20 journals (print form)</li> <li>• Automation of library with OPAC.</li> <li>• 11 Computers with Internet and Reprographic facilities.</li> </ul>
2.4.3 IT Infrastructure	<ul style="list-style-type: none"> <li>• 160 computers with computer-student ratio of 1:10</li> <li>• Wi-Fi and Internet facility in campus</li> <li>• ICT facility maintenance satisfactory.</li> </ul>
2.4.4 Maintenance of Campus Facilities:	<ul style="list-style-type: none"> <li>• Green and Clean campus</li> <li>• Campus satisfactorily maintained</li> </ul>
<b>2.5 Student Support and Progression:</b>	
2.5.1 Student Mentoring and Support:	<ul style="list-style-type: none"> <li>• Alumni association supports college</li> <li>• SC, ST, OBC and Govt. scholarship available for students.</li> <li>• Student mentoring system is in practice</li> </ul>
2.5.2 Student Progression:	<ul style="list-style-type: none"> <li>• Some students are placed in industries.</li> <li>• Student progression from UG to PG is 10% PG to P.hD. is 03%</li> <li>• Drop out rate is low.</li> </ul>
2.5.3 Student Participation and Activities:	<ul style="list-style-type: none"> <li>• Students have participated in sports at the inter university and state levels</li> <li>• Students participate in cultural and literary competitions</li> <li>• Satisfactory participation of students in NSS and NCC activities.</li> </ul>

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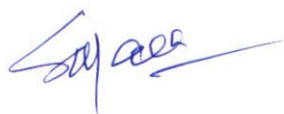
<b>2.6 Governance, Leadership and Management:</b>	
2.6.1 Institutional Vision and Leadership:	<ul style="list-style-type: none"> <li>• College has a defined vision and mission to empower students.</li> <li>• Harmonious relationship between management and stakeholders.</li> <li>• Proactive role of management for resource mobilization</li> </ul>
2.6.2 Strategy Development and Deployment	<ul style="list-style-type: none"> <li>• Well defined organizational structure.</li> <li>• Decision through various committees.</li> <li>• Perspective plan need to be developed with well defined action plan.</li> </ul>
2.6.3 Faculty Empowerment Strategies:	<ul style="list-style-type: none"> <li>• Faculty encourage to participate in conferences, seminars and workshops.</li> <li>• Performance appraisal system practiced.</li> <li>• Cordial relationship exists in the campus.</li> </ul>
2.6.4 Financial Management and Resource Mobilization:	<ul style="list-style-type: none"> <li>• Government grants, management resources and student fees are the main sources.</li> <li>• Government audit done upto 2011-12 and Internal audit is upto date.</li> <li>• Grants for infrastructure development and research need to be mobilized from national funding agencies.</li> </ul>
2.6.5 Internal Quality Assurance System:	<ul style="list-style-type: none"> <li>• Active and participatory IQAC</li> <li>• Routine quality assurance activities done</li> <li>• External and local stake holders participation in IQAC needed</li> </ul>
<b>2.7 Innovations and Best Practices:</b>	
2.7.1 Environment Consciousness:	<ul style="list-style-type: none"> <li>• Green campus with green audit</li> <li>• Limited measures in place to conserve energy and water</li> <li>• College inculcates environmental consciousness among students.</li> </ul>
2.7.2 Innovations:	<ul style="list-style-type: none"> <li>• Exp EYES employed in physics teaching.</li> <li>• Scientific temperament propagation in society through outreach.</li> <li>• "Avishkar" a good research sensitization program for students</li> </ul>
2.7.3 Best Practices:	<ul style="list-style-type: none"> <li>• Empowering students with English language skills and soft skills</li> <li>• Add on courses, skill development and vocational courses</li> <li>• Use of ICT in library, teaching and administration.</li> </ul>



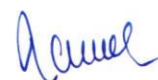
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Section III: OVERALL ANALYSIS	Observations
3.1 Institutional Strengths:	<ul style="list-style-type: none"> <li>• Adequate physical and infrastructural facility.</li> <li>• Participatory spirit of teaching and non teaching staff.</li> <li>• Good academic and administrative ambience.</li> <li>• Young and qualified faculty.</li> <li>• College endowed with CPE and Center for Higher and research.</li> </ul>
3.2 Institutional weaknesses:	<ul style="list-style-type: none"> <li>• Student performance in examination</li> <li>• Limited resource mobilization for research.</li> <li>• Lack of consultancy policy.</li> <li>• Limited campus area for future development (03 acres)</li> <li>• Limited indoor and outdoor sports facilities.</li> </ul>
3.3 Institutional Opportunities:	<ul style="list-style-type: none"> <li>• Scope for introduction of more new PG and UG programs.</li> <li>• Scope for seeking financial assistance from various Govt. funding agencies and alumni.</li> <li>• Consultancy, national funding agencies and industry sponsored research.</li> <li>• Training in soft skill for better employment.</li> </ul>
3.4 Institutional Challenges:	<ul style="list-style-type: none"> <li>• Establishment of central instrumentation facility (CIF) and sophisticated instrumentation facility (SIF) for teaching and quality research.</li> <li>• Motivating teacher for getting major research projects.</li> <li>• To achieve better pass percentage in university examination.</li> <li>• Mobilization of funds for modernization, maintenance and future development.</li> </ul>









#### Section IV: Recommendations for Quality Enhancement of the Institution

- To introduce more job oriented and need base UG and PG courses.
- Transportation facility be provided for students and staff.
- Training by experts for state and national competitive examinations.
- To establish central and sophisticated instrumentation facility for teaching and research.
- Obtain research grants from national and international funding agencies.
- Career counseling and placement cell be established with appointment of qualified male and female students counselors.
- Establish separate boys and girls hostels and common rooms with all facilities.
- Acquire autonomous status by concerted effort.
- Alumni association be strengthened and registered.
- Mobilized funds from stakeholders and alumni for college development.
- More space for reading with additional computers for internet access be provided in library.
- Research journals and reference books be added immediately in subjects recognized for research.
- State of art indoor and outdoor facility be established.
- Residential facility for teachers and non teaching staff.
- Training programs for non teaching staff.
- Provide facility for differently abled students and staff.

I agree with the observation of the Peer Team as mentioned in this report.



Seal of the Institution

Signature of the Head of the Institution  
Principal  
Dhote Bandhu Science College,  
Gondia (Maharashtra)

Signatures of the Peer Team Members:

Name and Designation		Signature with date
<b>Prof. Shiba Prasad Rath</b> (Former Vice Chancellor, North Orissa University) Res.258-MIG-II,Kanan Vihar, Phase-II,Patia,Bhubanaeswar-751024, Orissa	Chairperson	 13.2.17
<b>Prof. K.A. Raveesha</b> Coordinator, Centre for Innovative Studies in Herbal Drug Technology, Department of Studies in Botany, University of Mysore, Manasagangotri, Mysuru – 570006, Karnataka	Member Co-ordinator	 15/02/17
<b>Dr. Prabir Kumar Chakraborty</b> Former Principal Midnapur College ,Midnapur Res: Balaiji Complex,Flat No.4/6, Burdge Town, Mednipur- 721 101, West Bengal.	Member	 15/02/2017
<b>Dr. Ganesh Hegde, Adviser.</b>	NAAC Officer	

Place: Gondia,Maharashtra

Dhote Bandhu Science College,Gondia

Date: 15<sup>th</sup> February, 2017