

Proposal for Assistance during the XII Plan under the Scheme  
**"College with Potential for Excellence"**

Submitted to



**UNIVERSITY GRANTS COMMISSION  
NEW DELHI**



Gondia Education Society's

**DHOTE BANDHU SCIENCE COLLEGE**

**Center for Higher Learning & Research**

Re-accredited 'A' by NAAC, Bangalore

Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur



# UNIVERSITY GRANTS COMMISSION, NEW DELHI

## Proposal for Assistance during the XII Plan under the Scheme "College with Potential for Excellence"

### Section 1 : GENERAL

Sr.No.	Profile/Parameter	Particulars																
1.1	Name of the college	<b>Dhote Bandhu Science College, Gondia</b>																
1.2	Full address of the college (including Tel./Fax Nos. and e-mail ID)	Tirora Road, Gondia Dist. Gondia (Maharashtra) Pin : 441614 Tel No. : 07182-252623 Fax : 07182-252467 E-mail : principal@dbscience.org																
1.3	Name of the Principal of the college (including Tel./Fax Nos. and e-mail ID)	Dr. P. A. S. Naidu Mobile : 09423412712 Fax : (07182) 252467 E-mail : anjannaidu8@gmail.com																
1.4	Name and address of the Chairman, Governing Body of the college (including Tel./Fax Nos. and e-mail ID)	Shri Rajendra Jain Secretary, Gondia Education Society, Gondia. Tele. No : (07182) 252458 E-mail : info@gesgondia.org																
1.5	Goals and Objectives of the college	<b>Vision :</b> To take education to the doorsteps of the downtrodden and economically backward people of Eastern Vidarbha. <b>Mission :</b> <ul style="list-style-type: none"><li>□ To disseminate the latest and updated knowledge.</li><li>□ To promote in campus research activity.</li><li>□ To ensure all round development of a student.</li><li>□ To train the students for self-employment.</li><li>□ To create the true citizens and skilled professionals of tomorrow.</li></ul>																
1.6	Names of best performing departments in the College	Department of Microbiology Department of Computer Science Department of Chemistry Department of Physics Department of Botany Department of Electronics																
1.7	Nature of Management of the college	<table><tr><td rowspan="2">Government</td><td rowspan="2">University</td><td colspan="4">Private</td></tr><tr><td>Minority</td><td>Non Mrty</td><td>Aided</td><td>Un-aided</td></tr><tr><td></td><td></td><td></td><td></td><td>✓</td><td></td></tr></table>	Government	University	Private				Minority	Non Mrty	Aided	Un-aided					✓	
Government	University	Private																
		Minority	Non Mrty	Aided	Un-aided													
				✓														

ANNEXURE 1.2, 1.



Sr.No.	Profile/Parameter	Particulars																																				
1.8	Total strength of <ul style="list-style-type: none"><li>• Students</li><li>• Teachers</li></ul>	<table><tr><th colspan="3">U.G.</th><th colspan="3">P.G.</th><th colspan="3">TOTAL</th></tr><tr><th>M</th><th>F</th><th>T</th><th>M</th><th>F</th><th>T</th><th>M</th><th>F</th><th>T</th></tr><tr><td>374</td><td>785</td><td>1159</td><td>27</td><td>85</td><td>112</td><td>401</td><td>870</td><td>1271</td></tr><tr><td>22</td><td>9</td><td>31</td><td>9</td><td>23</td><td>35</td><td>31</td><td>35</td><td>66</td></tr></table> <div>ANNEXURE 1.4</div>	U.G.			P.G.			TOTAL			M	F	T	M	F	T	M	F	T	374	785	1159	27	85	112	401	870	1271	22	9	31	9	23	35	31	35	66
U.G.			P.G.			TOTAL																																
M	F	T	M	F	T	M	F	T																														
374	785	1159	27	85	112	401	870	1271																														
22	9	31	9	23	35	31	35	66																														
1.9	No. of years since establishment of the college	<table><tr><td>&lt;=10-25</td><td>&gt; 25-30 ✓</td><td>&gt;50</td></tr></table> <div>ANNEXURE 1.5</div>	<=10-25	> 25-30 ✓	>50																																	
<=10-25	> 25-30 ✓	>50																																				
1.10	No. of years since permanently affiliated to the University	<table><tr><td>&lt;=10-25</td><td>&gt; 25-30 ✓</td><td>&gt;50</td></tr></table> <div>ANNEXURE 1.5</div>	<=10-25	> 25-30 ✓	>50																																	
<=10-25	> 25-30 ✓	>50																																				
1.11	Campus area (in acres)	<table><tr><td>&lt; = 5.00 ✓</td><td>&gt; 05-10</td><td>&gt;10</td></tr></table> <div>ANNEXURE 1.6</div>	< = 5.00 ✓	> 05-10	>10																																	
< = 5.00 ✓	> 05-10	>10																																				
1.12	Levels of Academic programmes in the College	<table><tr><td>UG, PG ✓ and Research</td><td>PG and UG only</td><td>PG only</td><td>UG only</td></tr></table> <div>ANNEXURE 1.7, 1.9</div>	UG, PG ✓ and Research	PG and UG only	PG only	UG only																																
UG, PG ✓ and Research	PG and UG only	PG only	UG only																																			
1.13	Academic Departments	<table><tr><td>Total No. 08</td><td>No. in Arts Fac. .....</td><td>No. in Science Fac. 08 ✓</td><td>No. in Com. Fac. .....</td><td>No. in Other Fac. .....</td></tr></table>	Total No. 08	No. in Arts Fac. .....	No. in Science Fac. 08 ✓	No. in Com. Fac. .....	No. in Other Fac. .....																															
Total No. 08	No. in Arts Fac. .....	No. in Science Fac. 08 ✓	No. in Com. Fac. .....	No. in Other Fac. .....																																		
1.14	No. of Teachers	<table><tr><td>Sanctioned strength 46</td><td>Present strength a) Regular - 27 b) Ad hoc / CHB (Grant-in-Aid - 31) (No Grant - 15)</td><td>Present strength as % of San. Strength 59 %</td></tr></table> <div>ANNEXURE 1.8</div>	Sanctioned strength 46	Present strength a) Regular - 27 b) Ad hoc / CHB (Grant-in-Aid - 31) (No Grant - 15)	Present strength as % of San. Strength 59 %																																	
Sanctioned strength 46	Present strength a) Regular - 27 b) Ad hoc / CHB (Grant-in-Aid - 31) (No Grant - 15)	Present strength as % of San. Strength 59 %																																				
1.15	Diploma /Certificate courses offered : <ul style="list-style-type: none"><li>• No. of students</li><li>• % of the total No. in College</li></ul>	<table><tr><td>PG Diploma</td><td>Diploma</td><td>Certificate</td></tr><tr><td>---</td><td>66</td><td>52</td></tr><tr><td>---</td><td>6%</td><td>5 %</td></tr></table>	PG Diploma	Diploma	Certificate	---	66	52	---	6%	5 %																											
PG Diploma	Diploma	Certificate																																				
---	66	52																																				
---	6%	5 %																																				
1.16	Total No. of students	<table><tr><td>&lt;=500</td><td>&gt;500-1000</td><td>&gt;1000 ✓</td></tr></table> <div>ANNEXURE 1.4</div>	<=500	>500-1000	>1000 ✓																																	
<=500	>500-1000	>1000 ✓																																				
1.17	Category of Students	<table><tr><td>At least 50% SC-ST</td><td>At least 50% OBC ✓</td><td>At least 25% PH</td></tr></table>	At least 50% SC-ST	At least 50% OBC ✓	At least 25% PH																																	
At least 50% SC-ST	At least 50% OBC ✓	At least 25% PH																																				
1.18	UG students as % of total No.	<table><tr><td>&lt;=50</td><td>&gt;50-80</td><td>&gt; 80 ✓</td></tr></table>	<=50	>50-80	> 80 ✓																																	
<=50	>50-80	> 80 ✓																																				
1.19	PG students as%	<table><tr><td>&lt;=50 ✓</td><td>&gt;50-80</td><td>&gt; 80</td></tr></table>	<=50 ✓	>50-80	> 80																																	
<=50 ✓	>50-80	> 80																																				
1.20	M.Phil students as % of total No.	<table><tr><td>&lt;=02</td><td>&gt; 02-05</td><td>&gt; 05</td></tr></table>	<=02	> 02-05	> 05																																	
<=02	> 02-05	> 05																																				
1.21	Ph.D. students as % of total No	<table><tr><td>&lt; = .01 ✓</td><td>&gt;.01 - .02</td><td>&gt;.02</td></tr></table> <div>ANNEXURE 2.7</div>	< = .01 ✓	>.01 - .02	>.02																																	
< = .01 ✓	>.01 - .02	>.02																																				
1.22	Grants received during XI Plan (Rs. In Lakhs) from	<table><tr><td>State Government</td><td>Central Govt. other than UGC</td><td>UGC</td></tr><tr><td>1098.07 ✓</td><td>--</td><td>111.02 ✓</td></tr></table> <div>ANNEXURE 1.10</div>	State Government	Central Govt. other than UGC	UGC	1098.07 ✓	--	111.02 ✓																														
State Government	Central Govt. other than UGC	UGC																																				
1098.07 ✓	--	111.02 ✓																																				
1.23	Students facilities : Amount spent over the past 3 years (Rs. In lakhs) for	<table><tr><td>Laboratories</td><td>Central library</td><td>Departmental libraries</td></tr><tr><td>44.06 ✓</td><td>6.44 ✓</td><td>--</td></tr></table> <div>ANNEXURE 1.10</div>	Laboratories	Central library	Departmental libraries	44.06 ✓	6.44 ✓	--																														
Laboratories	Central library	Departmental libraries																																				
44.06 ✓	6.44 ✓	--																																				

Sr.No.	Profile/Parameter	Particulars								
1.24	Grievance Redressal Cell : No. of students handled over the past 3 years	<table><tr><td>&lt;= 20 ✓</td><td>&gt; 20-50</td><td>&gt; 50</td></tr></table>			<= 20 ✓	> 20-50	> 50			
<= 20 ✓	> 20-50	> 50								
ANNEXURE 1.11										
1.25	Guidance And Counseling Cell : No. of students handled over the past 3 years	<table><tr><td>&lt;= 50</td><td>&gt; 50-75</td><td>&gt; 75 ✓</td></tr></table>			<= 50	> 50-75	> 75 ✓			
<= 50	> 50-75	> 75 ✓								
ANNEXURE 2.11										
1.26	Mechanism available for seeking feedback on various aspects of College's functioning from	<table><tr><td>Teachers</td><td>Students</td><td>Guardians</td></tr><tr><td>✓</td><td>✓</td><td>✓</td></tr></table>			Teachers	Students	Guardians	✓	✓	✓
Teachers	Students	Guardians								
✓	✓	✓								
ANNEXURE 2.14										
1.28	The College has an Active	<table><tr><td>Parent-Teacher Association</td><td>Alumni Association</td><td>Linkage with NGOs</td></tr><tr><td>✓</td><td>✓</td><td></td></tr></table>			Parent-Teacher Association	Alumni Association	Linkage with NGOs	✓	✓	
Parent-Teacher Association	Alumni Association	Linkage with NGOs								
✓	✓									

## Section 2 : PROFILE DETAILS

Sr.No.	Profile/Parameter	Particulars /Options	For Office use
2.1	Status of the college	Non autonomous <input checked="" type="checkbox"/> Autonomous	
2.2	No. of years since grant of accreditation by NAAC	01-05 >05-10 >10 <input checked="" type="checkbox"/>	
2.3	Grade/CGPA awarded by NAAC	B 2.01 to 3.00 A 3.01 to 4.00 <input checked="" type="checkbox"/> NAAC CERTIFICATE ATTACHED	
2.4	Academic Category of the college	Men's Co-ed <input checked="" type="checkbox"/> Women's	
2.5	Location of the college	Urban Rural <input checked="" type="checkbox"/> Tribal	
2.6	Examination Pattern	Annual <input checked="" type="checkbox"/> Semester <input checked="" type="checkbox"/> Credit based	
2.7	Students from other States as % of total no.	01-05 <input checked="" type="checkbox"/> > 05-10 > 10	
2.8	NRI students as % of total No.	01-05 > 05-10 > 10	
2.9	Overseas students (excluding NRIs) as % of total No.	01-03 > 03-05 > 05	
2.10	No. of new courses introduced over past 3 years : Degree	01-03 <input checked="" type="checkbox"/> > 03-06 > 06	
	PG Diploma	01-03 > 03-06 > 06	
	Diploma	01-05 <input checked="" type="checkbox"/> > 05-10 > 10	
	Certificate	01-05 > 05-10 <input checked="" type="checkbox"/> > 10 ANNEXURE 1.9	
2.11	No. of Self-financing degree/diploma courses offered over the past 3 years	01-05 <input checked="" type="checkbox"/> > 05-10 > 10	
2.12	Students' results : Average % for the last 3 years : UG	40-60 <input checked="" type="checkbox"/> > 60-80 > 80	
	UG First Class	01-03 > 03-06 <input checked="" type="checkbox"/> > 06	
	PG	50-70 <input checked="" type="checkbox"/> > 70-90 > 90	
	PG First Class	10-20 <input checked="" type="checkbox"/> > 20-50 > 50 ANNEXURE 2.1	
2.13	No. of students passing national examinations over the past 3 years :		
	• UGC/CSIR- NET	01-05 > 06-10 <input checked="" type="checkbox"/> > 10	
	• GATE	01-05 <input checked="" type="checkbox"/> > 06-10 > 10 ANNEXURE 2.1	



Sr.No.	Profile/Parameter	Particulars /Options	For Office use												
2.14	Research Project outlay by various agencies during past 3 years (Rs. In lakhs)	<div>ANNEXURE 2.2</div> <table><tr><td>05-10</td><td>&gt; 10-50 ✓</td><td>&gt; 50</td></tr></table>	05-10	> 10-50 ✓	> 50										
05-10	> 10-50 ✓	> 50													
2.15	No. of Collaboration with International institutions during past 3 years <ul style="list-style-type: none"><li>• MoU</li><li>• Exchange of teachers</li><li>• Franchisee</li></ul>	<table><tr><td>01-02</td><td>&gt; 02-05</td><td>&gt; 05 ✓</td></tr><tr><td>01-05</td><td>&gt; 05-10 ✓</td><td>&gt; 10</td></tr><tr><td>01-02</td><td>&gt; 02-05</td><td>&gt; 05</td></tr></table> <div>ANNEXURE 2.3</div>	01-02	> 02-05	> 05 ✓	01-05	> 05-10 ✓	> 10	01-02	> 02-05	> 05				
01-02	> 02-05	> 05 ✓													
01-05	> 05-10 ✓	> 10													
01-02	> 02-05	> 05													
2.16	Teachers are evaluated	<table><tr><td>Peer groups within the College ✓</td><td>Externals</td><td>Students ✓</td></tr></table>	Peer groups within the College ✓	Externals	Students ✓										
Peer groups within the College ✓	Externals	Students ✓													
2.17	Recongnition of teachers over the past 3 years : No. at International level No. at National level	<table><tr><td>01-02</td><td>&gt; 02-04</td><td>&gt; 04</td></tr><tr><td>01-03 ✓</td><td>&gt; 03-06</td><td>&gt; 06</td></tr></table>	01-02	> 02-04	> 04	01-03 ✓	> 03-06	> 06							
01-02	> 02-04	> 04													
01-03 ✓	> 03-06	> 06													
2.18	No. of teachers presenting papers in seminars/ conferences during past 3 years at <ul style="list-style-type: none"><li>■ International level</li><li>■ National level</li></ul>	<div>ANNEXURE 2.8</div> <table><tr><td>01-03</td><td>&gt; 03-06 ✓</td><td>&gt; 06</td></tr><tr><td>01-03</td><td>&gt; 03-06</td><td>&gt; 06 ✓</td></tr></table>	01-03	> 03-06 ✓	> 06	01-03	> 03-06	> 06 ✓							
01-03	> 03-06 ✓	> 06													
01-03	> 03-06	> 06 ✓													
2.19	No. of academic seminars/ conferences organized by the college over the past 3 years at the National/ International level	<div>ANNEXURE 2.4</div> <table><tr><td>01-03</td><td>&gt; 03-06</td><td>&gt; 06 ✓</td></tr></table>	01-03	> 03-06	> 06 ✓										
01-03	> 03-06	> 06 ✓													
2.20	Physical education: Provision made for :														
	No. of major games	<table><tr><td>01-03</td><td>&gt; 03-06</td><td>&gt; 06 ✓</td></tr></table>	01-03	> 03-06	> 06 ✓										
01-03	> 03-06	> 06 ✓													
	No. of minor games	<table><tr><td>01-03</td><td>&gt; 03-06</td><td>&gt; 06 ✓</td></tr></table>	01-03	> 03-06	> 06 ✓										
01-03	> 03-06	> 06 ✓													
	No. of indoor games	<table><tr><td>01-03</td><td>&gt; 03-06</td><td>&gt; 06 ✓</td></tr></table>	01-03	> 03-06	> 06 ✓										
01-03	> 03-06	> 06 ✓													
	No. of accredited Coaches	<table><tr><td>01-03</td><td>&gt; 03-06</td><td>&gt; 06 ✓</td></tr></table> <div>ANNEXURE 2.5</div>	01-03	> 03-06	> 06 ✓										
01-03	> 03-06	> 06 ✓													
2.21	Other facilities : circle the ones available  Any other (name up to 3)	<table><tr><td>Computer Centre ✓</td><td>Internet ✓</td><td>Book bank ✓</td></tr><tr><td>Hostel (Men)</td><td>Hostel (Women)</td><td>Common Room for students ✓</td></tr><tr><td>Canteen ✓</td><td>Health Centre ✓</td><td>Placement cell ✓</td></tr><tr><td>--</td><td>--</td><td>--</td></tr></table>	Computer Centre ✓	Internet ✓	Book bank ✓	Hostel (Men)	Hostel (Women)	Common Room for students ✓	Canteen ✓	Health Centre ✓	Placement cell ✓	--	--	--	
Computer Centre ✓	Internet ✓	Book bank ✓													
Hostel (Men)	Hostel (Women)	Common Room for students ✓													
Canteen ✓	Health Centre ✓	Placement cell ✓													
--	--	--													

Sr.No.	Profile/Parameter	Particulars /Options			For Office use
2.22	Teacher Quality :	ANNEXURE 1.4, 1.8			
	Student/teacher ratio	> 60:1	> 40:1 - 60:1	<= 40:1 ✓	
	% of M. Phil. Degree holders among teachers	01-10 ✓	> 10-50	> 50	
	% of Ph.D. holders among teachers	01-05	> 05-10	> 10 ✓	
	% of teachers who attended (over the past 3 years):	ANNEXURE 2.6			
	a. Orientation Course	01-20	> 20-50 ✓	> 50	
	b. Refresher course	01-20	> 20-50 ✓	> 50	
	c. Winter/Summer School	01-20 ✓	> 20-50	> 50	
2.23	Evaluation Process and Reforms over the past 3 years :				
	No. of programmes for which academic audit is conducted	01-02	> 02-05	> 05 ✓	
	No. of programmes for which peer reviews conducted	01-02	> 02-05	> 05 ✓	
2.24	Research Promotion and Support :	ANNEXURE 2.8			
	% of teachers actively engaged in research Work	01-05	> 05-20	> 20 ✓	
	% of teachers approved as research supervisors	01-05	> 05-20	> 20 ✓	
	% of teachers on Learned/ Academic/ Scientific Bodies outside the college	01-02 ✓	> 02-05	> 05	
2.25	Research Output and Publications during the past 3 years :				
	No. of M.Phil. degrees Awarded For colleges with < = 5 PG Depts.	01-10 ✓	> 05-10	> 10	
	> 5 PG Depts.	01-20	> 10-20	> 20	
	No. of Ph.D degrees Awarded For colleges with < = 5 PG Depts.	01-05	> 05-10	> 10	
	> 5 PG Depts.	01-10	> 10-20	> 20	

Sr.No.	Profile/Parameter	Particulars /Options			For Office use
	No. of research papers published by teachers in referred journals	01-05	> 05-10	> 10 ✓	ANNEXURE 2.8
	No. of research projects undertaken :				
	a) Major	01	> 02-03	> 03	
	b) Minor	01-04	> 05-10 ✓	> 10	
2.26	Consultancy : Total of resources generated during the last 3 years through consultancy as % of total funds received from all sources.	01-02	> 02-05	> 05	
2.27	Extension activities during the last 3 years : No. of innovative/useful extension programmes conducted	01-02	> 02-05	> 05 ✓	ANNEXURE 2.9
	No. of teachers engaged in extension activities	03-05	> 05-20 ✓	> 20	
	No. of students participating in extension Activities	10-50	> 50-100	> 100 ✓	
2.28	Collaborative Activities during the past 3 years : No. of joining programmes conducted with NGOs	01-05	> 05-10 ✓	> 10	
	No. of cooperative programmes with national level academic institutions	01-05 ✓	> 05-10	> 10	
	No. of collaborative activities with international level academic Institutions	01-05	> 05-10	> 10	
2.29	Library Resources : No. of book titles per student as on date	01-03	> 03-10	> 10 ✓	ANNEXURE 2.10
	No. of books added to the library as % of the total collection during the past 3 years	01-03	> 03-10	> 10 ✓	
2.30	ICT-based Learning Resources as on date : Student-computer ratio	> 60:01	> 30:01 - 60:1	<= 30:1 ✓	



Sr.No.	Profile/Parameter	Particulars /Options	For Office use			
2.31	Students Profile (average for the past 3 years) : % of students admitted of those applied	<table><tr><td>&gt; 60 ✓</td><td>&gt; 20-60</td><td>05-20</td></tr></table> <div>ANNEXURE 1.4</div>	> 60 ✓	> 20-60	05-20	
	> 60 ✓	> 20-60	05-20			
	% of women students in the total student Strength	<table><tr><td>01-10</td><td>&gt; 10-50</td><td>&gt; 50 ✓</td></tr></table>	01-10	> 10-50	> 50 ✓	
	01-10	> 10-50	> 50 ✓			
	% of SC students in the total student strength	<table><tr><td>01-10</td><td>&gt; 10-15 ✓</td><td>&gt; 15</td></tr></table>	01-10	> 10-15 ✓	> 15	
01-10	> 10-15 ✓	> 15				
% of ST students in the total student strength	<table><tr><td>01-02</td><td>&gt; 02-05 ✓</td><td>&gt; 05</td></tr></table>	01-02	> 02-05 ✓	> 05		
01-02	> 02-05 ✓	> 05				
% of PwD students in the total student strength	<table><tr><td>01-05</td><td>&gt; 05-10</td><td>&gt; 10</td></tr></table>	01-05	> 05-10	> 10		
01-05	> 05-10	> 10				
2.32	Student Progression (average of past 3 years) : % of students graduating at first attempt	<div>ANNEXURE 1.4</div> <table><tr><td>30-50</td><td>&gt; 50-75 ✓</td><td>&gt; 75</td></tr></table>	30-50	> 50-75 ✓	> 75	
30-50	> 50-75 ✓	> 75				
2.33	Student Support : % of students getting selected through on campus interview out of those interviewed over the past 3 years	<div>ANNEXURE 2.11</div> <table><tr><td>10-20</td><td>&gt; 20-50 ✓</td><td>&gt; 50</td></tr></table>	10-20	> 20-50 ✓	> 50	
10-20	> 20-50 ✓	> 50				
2.34	Average % of utilization of approved annual budget over the past 3 years	<table><tr><td>60-80</td><td>&gt; 80-90</td><td>&gt; 90 ✓</td></tr></table>	60-80	> 80-90	> 90 ✓	
60-80	> 80-90	> 90 ✓				
2.35	Financial % of utilization of approved annual budget during the last year.	<table><tr><td>05-10</td><td>&gt; 10-20</td><td>&gt; 20 ✓</td></tr></table>	05-10	> 10-20	> 20 ✓	
05-10	> 10-20	> 20 ✓				
2.36	% of teachers to whom administrative powers and responsibilities are assigned as on date	<table><tr><td>05-10</td><td>&gt; 10-20</td><td>&gt; 20 ✓</td></tr></table> <div>ANNEXURE 2.13</div>	05-10	> 10-20	> 20 ✓	
05-10	> 10-20	> 20 ✓				
2.37	No. of teachers nominated on the Governing Body of other institutions as on date	<table><tr><td>01-02 ✓</td><td>&gt; 02-05</td><td>&gt; 05</td></tr></table>	01-02 ✓	> 02-05	> 05	
01-02 ✓	> 02-05	> 05				
2.38	Curriculum : Feedback received from	<table><tr><td>Employers ✓</td><td>Teachers ✓</td><td>Students ✓</td></tr></table>	Employers ✓	Teachers ✓	Students ✓	
	Employers ✓	Teachers ✓	Students ✓			
	No. of remedial programmes conducted for students with difficulties in learning over past 3 years	<table><tr><td>01-02</td><td>&gt; 02-05 ✓</td><td>&gt; 05</td></tr></table> <div>ANNEXURE 2.14</div>	01-02	> 02-05 ✓	> 05	
01-02	> 02-05 ✓	> 05				
No. of specialised courses organized for advanced learners over past 3 years.	<table><tr><td>01-02</td><td>&gt; 02-05</td><td>&gt; 05</td></tr></table>	01-02	> 02-05	> 05		
01-02	> 02-05	> 05				

Sr.No.	Profile/Parameter	Particulars /Options			For Office use
	% of teachers using modern educational technology	10-20	> 20-50	> 50 ✓	
2.39	Students Activities : Average No. of students participating/engaged in programmes over the past 3 years :				
	Cultural and related activities	05-10	> 10-20	> 20 ✓	
	Co-curricular activities	05-10	> 10-20 ✓	> 20	
	Social services / Extension work other than NSS activities	10-50	> 50-100	>100 ✓	
ANNEXURE 2.16, 2.9					
2.40	Sports Events No. of students participated over the past 3 years at:es over the past 3 years :				
	International level	01-05	> 05-10	> 10	
	National level	05-10	> 10-20	> 20 ✓	
	Regional level	10-20	> 20-50	> 50 ✓	
ANNEXURE 2.5					

Section 3 : ADDITIONAL DATA (to be furnished by Autonomous Colleges)


Sr.No.	Profile/Parameter	Particulars /Options			For Office use
3.1	No. of years since the grant of Autonomy	01	> 01-10	> 10	
3.2	Level at which Autonomy is implemented	UG only	PG only	UG and PG	
3.3	Curriculum review / revision	Any time after 3 years	Once in 3 years	Annually	
3.4	Time lag in introducing new programme	> 2 years	1-2 years	<= 1 year	
3.5	No. of subjects where Question Banks are Developed	01-02	> 02-05	> 05	
3.6	Examination Reforms : Evaluation scheme	Marks	Grades and CGPA	Credit based CGPA	
3.7	Weightage in % allotted to continuous Internal Evaluation (CIE) in the endsemester or exist Examination	10-20	> 20-40	> 40	
3.8	% of programmes having CIE to total No. of programmes	15-25	> 25-50	> 50	
3.9	Temporal scheme	Annual	Semester	Trimester	
3.10	% of question papers in which change in pattern is introduced	05-10	> 10-50	> 50	



CERTIFICATE  
(by the College)

This is to certify that the data and information provided in this proposal are true and correct to the best of my knowledge and belief and the required documents in support of these are attached with the proposals. It is also confirmed that this college will abide by the Guidelines framed by the UGC in respect of CPE/CE status from time to time if it is selected under the Scheme during the XII Plan.

Place : Gondia  
Date : 04 February, 2015

  
Dr. P. A. S. Naidu  
Principal  
Dhote Bandhu Science College,  
Gondia  
**Dhote Bandhu Science College,  
Gondia (Maharashtra)**

ENDORSEMENT  
(by the affiliating University)

The university certifies that the data and information given by the college in the proposal are correct as per the records of the university. The university, therefore, supports the Proposal and will monitor the progress of the college, if selected for the CPE/CE status, and do whatever is needed to be done by the university in respect of the college under the Guidelines and other relevant Rules and Regulation framed by the UGC.

Place : Nagpur  
Date : 04.02.2015

  
**DIRECTOR**  
Board of College & University Development  
**Reshtrasant Tukadoji Maharaj**  
**Nagpur University**  
(Signature with Seal)  
Registrar of the University

## ACTION PLAN AND BUDGET

01.	Name & Address of the college	<b>Dhote Bandhu Science College</b> Tirora Road, Gondia Dist. Gondia (Maharashtra) Pin : 441614 Tel No. : 07182-252623 Fax : 07182-252467 E-mail : principal@dbscience.org
02.	Proposed Activities	List Titles of Each Activity in Order of Priority (to be limited to 5, in each case, giving details in 100 words)
	A) Teaching (UG) :	<p><b>I. Infrastructure up gradation</b>  To achieve excellence in teaching, strengthening of physical infrastructure is necessary. It can be done through up gradation/ construction/ renovation of science laboratories particularly, Physics, Botany, Zoology, Electronics and major learning resource 'Library'.  <b>Proposed action :</b></p> <ul style="list-style-type: none"> <li>▪ Extension and renovation of laboratories and Library</li> <li>▪ Library Automation.</li> <li>▪ Enriching the laboratories by equipments.</li> <li>▪ Furniture and fixtures in class rooms.</li> <li>▪ Strengthening of Academic infrastructure for achieving global standards by purchasing books and journals, teaching aids etc.</li> <li>▪ Enriching the eco-friendly campus</li> </ul> <p><b>II. ICT enabled teaching - learning</b>  Audio Visual Aid has made education more accessible and interactive. Advancement pertaining to teaching methodologies makes it easier to explain difficult concepts. As science teachers and students, always keep abreast with technology, installation of virtual labs in the faculty of science will also enhance the learning and teaching skills of students and teachers respectively. Smart/interactive boards and projectors help in depicting animated versions and help the students to work on their own.  <b>Proposed Action :</b></p> <ul style="list-style-type: none"> <li>▪ Augmentation of ICT based teaching and learning</li> <li>▪ Establishment of Virtual laboratories.</li> <li>▪ Making the lessons available in the institutional web site</li> <li>▪ Purchase of evaluation tool</li> </ul> <p><b>III. Orienting towards the Industry</b>  The prescribed syllabi offer theoretical knowledge which has to be consistently supplemented through constant application. It will give students enough Industry exposure and thus, share practical experiences to make the learning of students memorable and useful. The syllabi will bridge the gap in qualification, knowledge, awareness and understanding. It aims at creating sense of empowerment as it facilitates the first hand experiences.  <b>Proposed Action :</b></p> <ul style="list-style-type: none"> <li>▪ Induction of ideas from industrialists in the syllabus</li> <li>▪ Frequent Industrial visits</li> <li>▪ Hands on training in the laboratories</li> </ul>

		<p><b>IV. Improving the skill sets and nurturing global competencies of students</b></p> <p>With the swiping changes at the advent of globalization there is a strong need to prepare students in almost all sectors to meet the demands. This opens the possibility for reciprocity between the industry and education set up. The interaction will provide an opportunity for the students to realize the needs of an industry and motivate them to equip themselves.</p> <p><b>Proposed action :</b></p> <ul style="list-style-type: none"> <li>▪ Organisation of skill development programmes /courses for students by interfacing the needs of society especially with reference to demands of society, industries, business houses etc. by resource mobilizations.</li> <li>▪ Training to enhance the quantitative skills</li> <li>▪ To introduce skill based diplomas and certificate courses</li> <li>▪ To arrange invited lectures by personnel from industries</li> <li>▪ Organizing internships with industries</li> </ul> <p><b>V. Computer Education Programmes</b></p> <p>The computer being one of the most creative innovations of human science has proved a boon for mankind. All offices, shops, factories and industries use computers. It has become a commodity of everyday use. Just having a look around at our surroundings will be enough to prove the involvement of computers in everyday lives. Shopping, banking, traveling, stocking, literature, entertainment, public sector, private sector, almost everywhere computers are playing their roles efficiently. As students are from socially and financially weak section, they are not conversant with computer, therefore, it is must to make them computer literate.</p> <p><b>Proposed Action :</b></p> <ul style="list-style-type: none"> <li>▪ Developing an independent modus operandi for improving efficiency of the students to operate computers with a minimum knowledge on Microsoft Office packages</li> <li>▪ Expanding the training based on the interest of the students</li> <li>▪ Introduction of a paper on rudiments of computer to provide theoretical knowledge.</li> </ul>
	B) Teaching (PG) :	<p><b>Up gradation of teaching methodologies</b></p> <p>With radical changes in technology the students need to keep abreast with the same. This methodology ensures that the students get the full advantage of educational technology. The use of the latest pedagogy also provides space for student centric learning and makes the classes engaging and interesting. The use of power points, pictorial depictions, animations help the students to understand the concepts better and retain it for longer period of time. Further, the teaching -learning process can be enriched by project work, field work, study tours etc.</p> <p><b>Proposed action :</b></p> <ul style="list-style-type: none"> <li>▪ Provision for necessary experimental infrastructure for project work at PG level</li> <li>▪ Promoting use of web based learning resources</li> <li>▪ Enhancing guest lectures by eminent scholars</li> <li>▪ Technology based assessment</li> <li>▪ Organisation of field work, study tours etc.</li> </ul>



C) Research	<p>Research is a yardstick to decide academic success of any educational institution. As our college is recognized as a 'Centre for Higher Learning and Research' facilitating the college to cater Ph.D. degree in Chemistry, Physics and Botany, we intent to equip our labs with all possible instruments. We would also provide students and teachers an ambient research atmosphere making them think, talk and perform research.</p> <p><b>Proposed action :</b></p> <ul style="list-style-type: none"> <li>▪ Purchase of modern sophisticated instruments required for research work and their maintenance</li> <li>▪ Strengthening of academic and research infrastructure to reach to global standards by augmenting the research facilities and purchasing reference books, subscribing National International e-journals, Desktop Computers/Laptops, Software's, lab consumables etc.</li> <li>▪ Establishing networking with University Departments, Research centres and laboratories in the country and abroad for mutual sharing and exchange of intellectual property, collaborative activities and industrial transactions for societal benefit (Collaborative Research)</li> </ul>
D) Extension	<p><b>Extension services</b></p> <p>The college offers support to various villages through extension activities. Training to the villagers to have an alternative means of earning is provided. In addition the college now plans to extend the activities to reach the society through various programmes. The expected grant will be utilized for conducting educational activities expenditure maybe incurred on remuneration, Hospitality and other contingency.</p> <p><b>Proposed actions :</b></p> <ul style="list-style-type: none"> <li>▪ Enhancing outreach activities for the mutual benefit of stakeholders e.g. Awareness programmes.</li> <li>▪ Extension activities for the weaker sections of society in the form of programmes such as women empowerment, human rights, protection of environment, health awareness etc.</li> <li>▪ Setting equal opportunity centre by creating a socially friendly atmosphere for academic interaction and for the growth of healthy personal relationships among the students of various social background e.g. Gender sensitization programmes, personality development and communication skills etc.</li> </ul>
E) Any other (Please specify)	<p><b>Along with the proposed activities the college intends to ,</b></p> <ul style="list-style-type: none"> <li>▪ Establishment of Health centre.</li> <li>▪ Enhancement of capacity building.</li> <li>▪ EDP for staff and students.</li> <li>▪ Access to differently abled by installing lift as the building is multistory .</li> </ul>

03.	Proposed Utilization of Grants	Non-Recurring Grant (Rupees in Lakhs) (To be listed in order to priority, with details given in <b>Annexure B1</b> )	Recurring Grant (Rupees in Lakhs) (To be listed in order to priority, with details given in <b>Annexure B2</b> )
	a) Teaching Facilities (UG):	63.50	35.75
	b) Teaching Facilities (PG):	01.50	02.50
	c) Research Facilities :	18.00	02.50
	d) Extension Activities:	- -	12.00
	e) Any Other Activities (Please specify)	17.50	03.00
	<b>Total (Rupees in Lakhs)</b>	<b>100.50</b>	<b>55.75</b>

04.	Expected Outcome / Output	Annual (List titles only, with details in <b>Annexure C1</b> )	At the End of Three Years (List titles only, with details given in <b>Annexure C2</b> ).
	a) Teaching Evaluation (UG) :	<b>Year 1 :</b> <ul style="list-style-type: none"> <li>▪ Physical infrastructure up-gradation (Renovation of laboratories and Library)</li> <li>▪ Strengthening eco-friendly campus</li> </ul> <b>Year 2 :</b> <ul style="list-style-type: none"> <li>▪ Physical and academic infrastructure up-gradation</li> <li>▪ ICT enabled teaching -learning fully automatised library.</li> <li>▪ Computer Education Programmes</li> <li>▪ Well equiped class room and laboratories.</li> </ul> <b>Year 3 :</b> <ul style="list-style-type: none"> <li>▪ Orienting towards the Industry</li> <li>▪ Improving the skill sets and nurturing global competencies of students</li> <li>▪ Computer Education Programmes</li> </ul> <b>Year 4 :</b> <ul style="list-style-type: none"> <li>▪ Improving the skill sets and nurturing global competencies of students</li> <li>▪ Computer Education Programmes</li> </ul> <b>Year 5 :</b> <ul style="list-style-type: none"> <li>▪ Improving the skill sets and nurturing global competencies of students</li> <li>▪ Computer Education Programmes</li> </ul>	<p><b>Provided in Annexure C2</b></p> <p><b>Provided in Annexure C2</b></p>
	b) Teaching Evaluation (PG) :	<b>Year 1 - 5 Year :</b> <ul style="list-style-type: none"> <li>▪ Provision for necessary experimental infrastructure for project work</li> <li>▪ Promoting use of web based learning resources</li> <li>▪ Enhancing guest lectures by eminent scholars</li> <li>▪ Technology based assessment</li> <li>▪ Organisation of field work, study tours etc.</li> </ul>	<b>Provided in Annexure C2</b>

c) Research :	<b>Year 1 -Year 5</b> <ul style="list-style-type: none"> <li>▪ Purchase of modern sophisticated instruments and their maintenance</li> <li>▪ Strengthening of academic infrastructure by purchasing reference books, subscribing National International e-journals, Desktop Computers / Laptops, Software's, lab consumables etc.</li> <li>▪ Establishing and strengthening Collaborative Research.</li> </ul>	Provided in <b>Annexure C2</b>
d) Extension :	<b>Year 1 - Year 5</b> <ul style="list-style-type: none"> <li>▪ Extension activities for the benefit of weaker sections</li> <li>▪ Setting equal opportunity center</li> <li>▪ Outreach activities</li> </ul>	Provided in <b>Annexure C2</b>
e) Any other (Please specify)	<b>Year 1</b> <ul style="list-style-type: none"> <li>▪ Establishment of Health centre</li> <li>▪ Enhancement of capacity building</li> </ul> <b>Year 2 - Year 5</b> <ul style="list-style-type: none"> <li>▪ Enhancement of capacity building</li> <li>▪ EDP for staff and students</li> <li>▪ Lift for disabled.</li> </ul>	Provided in <b>Annexure C2</b>



# ANNEXURE - B1

Proposed utilization of grants	Non-Recurring Grant	Year 1	Year 2	Year 3	Year 4	Year 5
a) Teaching Facilities (UG) :	Renovation/extension of physical infrastructure of lab and library	20.00	3.00	1.00	--	--
	Initialize use of green energy in eco-friendly campus	1.00	1.00	1.00	--	--
	Library Automation	50.00	1.00	1.00	--	--
	Up-gradation of class room by furniture and fixture.	8.00	4.00	--	--	--
	Strengthening Academic infrastructure (Books & Journals)	1.50	0.50	0.50	0.50	1.00
	Laboratory equipments, Virtual lab (ICT enabled)	8.00	0.50	0.50	--	--
	Development of skill based courses	1.50	1.00	1.00	0.50	0.50
b) Teaching facilities (PG) :	Enhancing Experimental infrastructure	0.50	0.50	0.50	--	--
c) Research facilities :	Sophisticated Instruments	13.00	3.00	--	--	--
	Enhancing academic infrastructure	1.00	0.50	0.50	--	--
d) Extension Activities :	Extension activities	--	--	--	--	--
	Equal opportunity Centre	--	--	--	--	--
	Outreach Activities	--	--	--	--	--
e) Any other Activities : (Please specify)	Establishment of Health centre	5.00	1.00	--	--	--
	Enhancement of capacity building, EDP, Career counseling and employment cell	0.50	0.50	0.50	0.50	0.50
	Access to differently abled	9.00	--	--	--	--
Total Rupees in lakhs		74.00	16.50	6.50	1.50	2.00
Gross Total Rupees in lakhs		Rs. 100.50				

## ANNEXURE - B2

Proposed utilization of grants	Recurring Grant	Year 1	Year 2	Year 3	Year 4	Year 5
a) Teaching Facilities (UG) :	Internet Charges	2.00	2.00	2.00	2.00	2.00
	Hardware/Software	1.50	1.50	1.50	1.50	1.00
	Maintenance	1.00	0.25	0.50	0.50	0.50
	Laboratory Consumables	3.00	4.00	4.00	3.00	2.00
b) Teaching facilities (PG) :	Expenses for Resource persons	0.50	0.50	0.50	0.50	0.50
c) Research facilities :	Laboratory Consumables	0.50	0.50	0.50	0.50	0.50
d) Extension Activities :	Extension activities	0.50	0.50	0.50	0.50	0.50
	Equal opportunity Centre	0.50	0.50	0.50	0.50	0.50
	Outreach Activities	0.50	0.50	0.50	0.50	0.50
	Resources hiring expenses	1.50	0.50	1.50	0.50	0.50
e) Any other Activities : (Please specify)	Enhancement of capacity building, EDP, Career counseling and employment cell	1.00	0.50	0.50	0.50	0.50
<b>Total Rupees in lakhs</b>		<b>12.50</b>	<b>11.25</b>	<b>12.50</b>	<b>9.50</b>	<b>10.00</b>
<b>Gross Total Rupees in lakhs</b>		<b>Rs. 55.75</b>				

## ANNUAL - EXPECTED OUTCOME / OUTPUT

## a) Teaching / Evaluation (UG) :

Year 1	<ul style="list-style-type: none"> <li>Physical infrastructure of laboratory for Physics, Botany, Zoology, and Electronics as per global standard.</li> <li>Fully automated renovated library with necessary facilities.</li> <li>Modern book shelves, reference section, e - issue/take facility.</li> <li>Augmentation of existing eco-friendly green lawn and campus of college by photovoltaic system.</li> </ul>
Year 2	<ul style="list-style-type: none"> <li>Physical and academic infrastructure up-gradation by for achieving global standards by purchasing books and journals, teaching aids etc.</li> <li>Fully ICT enabled teaching -learning and evaluation process, good class room furniture.</li> <li>Establishment of virtual laboratory</li> <li>Computer Education Programmes</li> </ul>
Year 3	<ul style="list-style-type: none"> <li>Frequent industry visit to have industrial exposure and sense of empowerment</li> <li>Induction of skill components in curricula and sharing of practical experience</li> <li>Bridged the of gap between Institute and industry</li> <li>Improving the skill sets and nurturing global competencies of students</li> <li>Computer Education and entrepreneur development Programmes</li> </ul>
Year 4	<ul style="list-style-type: none"> <li>Improved skill sets and nurtured global competencies of students.</li> <li>Training to the students to enhance quantitative skills, internship with industries</li> <li>Introduction of skill based courses/programmes in collaboration of industry partner</li> </ul>
Year 5	<ul style="list-style-type: none"> <li>Improved skill sets and nurturing global competencies of students</li> <li>Availability of work force and employable students</li> </ul>

## b) Teaching/Evaluation (PG) :

Year 1	<ul style="list-style-type: none"> <li>Availability of necessary experimental infrastructure for Research project work PG student as part of curricula</li> </ul>
Year 5	<ul style="list-style-type: none"> <li>Open access for web based learning resources</li> <li>Guest lectures by eminent scholars for the promotion of research</li> <li>Technology based assessment</li> <li>Inculcation of research culture and attitude through field work, study tours etc</li> <li>Summer projects-industry interaction</li> </ul>

## c) Research :

Year 1	<ul style="list-style-type: none"> <li>Ultra advanced lab equipment for research for the staff and students</li> </ul>
-	<ul style="list-style-type: none"> <li>Subscription of online and print journals, e-books etc.</li> </ul>
Year 5	<ul style="list-style-type: none"> <li>Research environment for the UG and PG students to support their creativity</li> <li>Enhancement of students in research festivals, summer school projects, exhibition etc.</li> </ul>

## d) Extension :

Year 1	<ul style="list-style-type: none"> <li>Organisation of number of Extension activities</li> </ul>
-	<ul style="list-style-type: none"> <li>Establishment of equal opportunity Centre</li> </ul>
Year 5	<ul style="list-style-type: none"> <li>Strategic implementation of outreach activities</li> </ul>

## e) Any other

Year 1	<ul style="list-style-type: none"> <li>Establishment of Health centre</li> </ul>
-	<ul style="list-style-type: none"> <li>Enhancement of capacity building</li> </ul>
Year 5	<ul style="list-style-type: none"> <li>EDP for staff and students</li> <li>Career counseling and employment cell</li> <li>Access to differently abled by providing lift.</li> </ul>



### EXPECTED OUTCOME/OUTPUT AT THE END OF FIVE YEARS

#### a) Teaching/ Evaluation (UG) :

The notable achievement for us is to have state of art physical infrastructure for some science laboratories even though our college is situated in naxal affected tribal area. Physical and experimental infrastructure of chemistry, Micro-biology, Computer Science laboratories are at global standard. Auditorium, seminar hall, conference room are also have global ambience. We expect the same state of art for remaining science laboratories, in particular Physics, Botany, Zoology, Electronics etc. and library. The fully digitalized library with numerous titles and books, journals , e-resources is expected at the end of five years.

Our campus is ecofriendly and maintained. Installation of solar panels may enrich as solar park.

The interactive boards are in almost all classroom, but we would expect the Virtual lab (ICT enabled) in each subject to make the education more accessible and interactive. Even though college runs B. Voc. Degree programme and some skill based certificate courses under UGC Community College scheme, our aim is at creating sense of empowerment as it facilitates the first hand experiences and hence, development of skill based courses, industry – institute linkage for placement is vitally expected. The interaction will provide an opportunity for the students to realize the needs of an industry and motivate them to equip themselves. The computer literacy programme will make each students consonant with computer and will have basics of its operation at exit level of the student.

#### b) Teaching/ Evaluation (PG) :

The availability of necessary experimental infrastructure for project work at PG level will make teaching – learning process lucrative, also will implant research culture in the students.

A good number of students would have gained the motivation to clear the JRF, NET etc and enter into research career.

#### c) Research

The purchase of ultra-advanced lab equipment would made to amplify and standardize lab experiments which proves in enhancement of quality. The subscription to various online and offline would provide a range of references and strengthen the research.

#### d) Extension

The greater percentage of the students in the college are from socio-economic end of society. They are lacking in communication skill, rights, duties, ethics, morality and other aspects. Thus, for the mutual benefit of stakeholders, awareness programmes such as women empowerment, human rights, protection of environment, health awareness etc. will be organized. By creating a socially friendly atmosphere for academic interaction and for the growth of healthy personal relationships among the students of various social background, the equal opportunity centre would be established. Training to the villagers for alternative means of earning helps them to improve their economic status. The students of the adopted schools and villages would have been trained by the values of life, use their knowledge, skills and abilities to benefit the community.

#### e) Any other : (Please specify)

The Health centre will be established. Periodic work shops on capacity building for staff and students will be arranged. Career counseling and placement drives for the students would be conducted. It will make the exit students employable and entrepreneur.



Gondia Education Society's

## **DHOTE BANDHU SCIENCE COLLEGE**

Center for Higher Learning & Research


Re-accredited 'A' by NAAC, Bangalore

(Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

### **CERTIFICATE**

This is to certify that the above Action Plan & Budget has been proposed by the college after consulting its major stake holders, in particular, the teaching faculty, as per the UGC XII Plan Guidelines for CPE/CE. The college hereby undertakes to adhere to the approved Action Plan and to take all the necessary steps for meeting the targets envisaged to achieve excellence as proposed.

Place : Gondia  
Date : 04 February, 2015

  
Dr. P. A. S. Naidu  
Principal  
**Dhote Bandhu Science College,  
Gondia (Maharashtra)**

GONDIA - 441614 (MAHARASHTRA)

visit us : [www.dbscience.org](http://www.dbscience.org) | mail us : [principal@dbscience.org](mailto:principal@dbscience.org) | call us : 07182-252623, 252467, 09423412712