

**PROPOSALS FOR
ADDITIONAL DEVELOPMENTAL ASSISTANCE
FOR
TEACHING AND LEARNING AIDS
(Ref No. Letter No. FWC2—113/07-08 (ERO) Dated 18th August 2010)**

**For
University Grants Commission
Eastern Regional Office**

Submitted By

Raja Peary Mohan College

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Uttarpara, Hooghly
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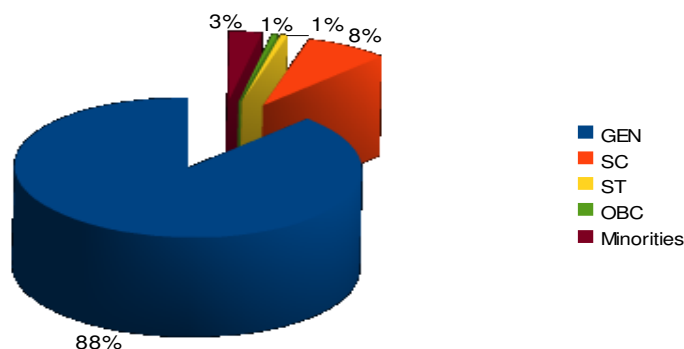
University Grants Commission

Proposal of the College for Additional Developmental Assistance from the University Grants Commission for the Colleges During the Eleventh Plan (2007-2012), already covered under Section 12B of the

UGC Act, 1956

Basic Information

- 1. Name of College:** RAJA PEARY MOHAN COLLEGE,
UTTARPARA, HOOGHLY,
WEST BENGAL
- Address:** 1, ACHARYA DHRUBA PAL ROAD,
UTTARPARA, HOOGHLY,
PIN – 712 258333
- 2. (i) Whether the College is self-financing:** YES / NO
- (ii) Names of self-financing faculties, if any:** NOT APPLICABLE
- 3. Name of affiliating University:** UNIVERSITY OF CALCUTTA, KOLKATA,
WEST BENGAL
- 4. Date of Establishment of the College:** 20TH JUNE 1887
- 5. (i) Date of Inclusion of College in UGC List under Section 2(f):** As the College was established in 20th June 1887 i.e. before 1956 it is already included under Section 2(f) of UGC Act
- (ii) Date of Inclusion of College in UGC List under Section 12B:** As the College was established in 20th June 1887 i.e. before 1956 it is already included under 12B of the UGC Act of 1956
- 6. (a) Name of DISTRICT where college is located:** HOOGHLY
- (b) Name of the City/Town/Village where the College is located:** UTTARPARA
- 7. No. of full-time Students as on (specify date) 30th June 2010:** 2681
- (a) Minority:** 81
- (b) Scheduled Caste:** 202
- (c) Scheduled Tribe:** 17
- (d) Other Backward Caste (Non-creamy Layer):** 14
- (e) General:** 2303



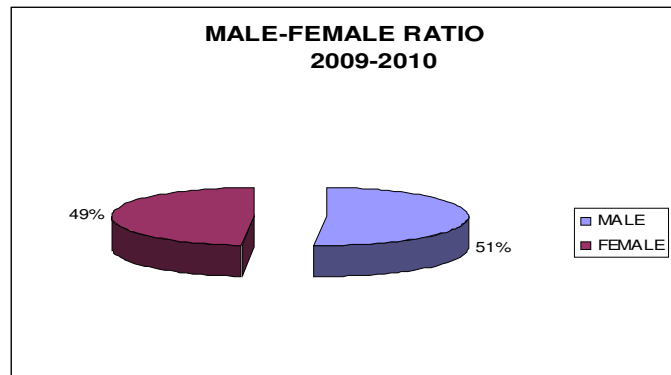
8. No. of full-time Students as on (specify date) 30th June 2010: 2681

(a) Male: 1376 ----- 51 %

(b) Female: 1305 ----- 49%

MALE-FEMALE RATIO:

| Total Number of Students | | |
|--------------------------|-------|-------|
| Men | Women | Total |
| 1376 | 1305 | 2681 |



| Number of Scheduled Caste Students | Number of Scheduled Tribe Students | Number of Other Backward Caste (Non-creamy Layer) Students | Number of Students from Minority Communities | Number of General Category Students | Total Number of Students | | |
|------------------------------------|------------------------------------|--|--|-------------------------------------|--------------------------|-------|-------|
| | | | | | Men | Women | Total |
| 202 | 17 | 14 | 81 | 2303 | 1376 | 1305 | 2681 |

9. (a) Whether the College is located in Minority Concentrated Areas: NO
(Mention the name of the district with regard to the list reverse)

(b) Whether the College is Catering to at least 20% of students from minority communities: NOT APPLICABLE

[Percentage to be given with reference to total number of students from minority communities as reported at 7 (a) above]

10. (a) Whether the College is located in SC/ST Concentrated Areas: NO
(Certificate of Location from Govt. Officer not below the rank of BDO to be furnished): NOT APPLICABLE

(b) If yes, whether the College is Catering to at least 20% of students of SC/ST students separately or together: NOT APPLICABLE

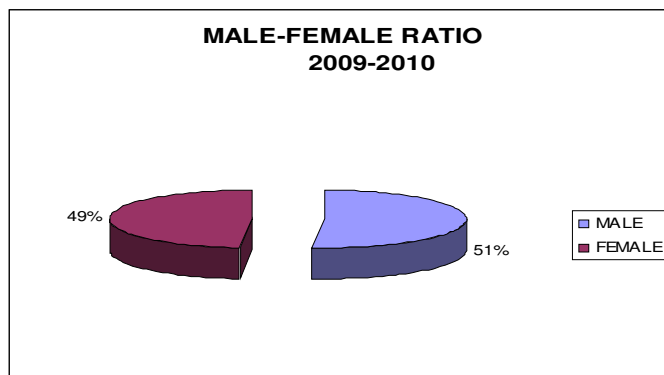
[Percentage to be given with reference to total number of SC and ST students as reported at 7 (b) and 7(c) above]:

(c) Whether the College is located in Border Area(Certificate of location from Govt. Officer not below the rank of BDO to be furnished):NOT APPLICABLE

11. Whether the College is catering to at least 50% of girls students: YES
[Percentage to be given with reference to total number of female students as reported at 8 (b) above]:

MALE-FEMALE RATIO:

| Total Number of Students | | |
|--------------------------|-------|-------|
| Men | Women | Total |
| 1376 | 1305 | 2681 |



12. Write YES,if the College does not fall under the categories at 9, 10, 11: The College does not fall under the categories of 9 and 10, but falls under the category 11 (Catering to almost 50% of girls students). Also Please refer to Detailed Project Report, Page No. for detail

THE SUMMARY OF THE EQUIPMENTS/TEACHING AIDS SOUGHT WITH BUDGET (according to the proforma given) AND THE DETAILED PROJECT REPORT(DPR) WITH JUSTIFICATIONS FOR THE REQUIREMENTS IS ATTACHED WITH THIS PROFORMA.

Date _____

Signature _____

Principal: (Dr Milan Kumar Pal)

Seal:

SUMMARY OF ITEMS SOUGHT WITH BUDGET
NAME OF EQUIPMENTS/TEACHING AIDS, THEIR ESTIMATED COSTS AND
THE AMOUNT SOUGHT.

| S L N O. | NAME OF EQUIPMENTS/TEACHING AIDS | ESTIMATED | AMOUNT | REMARKS |
|-------------------|--|------------------|-----------------------|--|
| | | COSTS. | SOUGHT | |
| | | Rs. | Rs. | |
| 1 | Laboratory Equipments and Teaching Aids for the department of BOTANY | Rs. 5,10,000/- | Rs. 4,00,000/- | Please Refer to DPR Page No. For detail of items and their justifications for the requirements. |
| 2 | Laboratory Equipments for the department of CHEMISTRY | Rs. 4, 15,000/- | Rs. 4,00,000/- | Please Refer to DPR Page No. For detail of items and their justifications for the requirements. |
| 3 | Laboratory Equipments and Teaching Aids for the department of PHYSICS | Rs. 5, 31, 500/- | Rs. 4,00,000/- | Please Refer to DPR Page No. For detail of items and their justifications for the requirements.. |
| 4 | Laboratory Equipments for the department of PHYSIOLOGY | Rs. 4, 41, 200/- | Rs. 4,00,000/- | Please Refer to DPR Page No. For detail of items and their justifications for the requirements. |
| 5 | Laboratory Equipments and Teaching Aids for the department of ZOOLOGY | Rs. 4,02,000/- | Rs. 4,00,000/- | Please Refer to DPR Page No. For detail of items and their justifications for the requirements. |
| 6 | Computers, Software & Teaching Aids for a Central Computing Laboratory For Students of Mathematics Science, Commerce Humanities Subjects | Rs. 7, 87,000/- | Rs. 5, 00,000/- | Please Refer to DPR Page No. For detail of items and their justifications for the requirements. |
| | TOTAL | | Rs.25,00,000/- | |

Estimated Costs of EQUIPMENTS/TEACHING AIDS sought is: Rs. (Rupees

Additional Grant Sought for EQUIPMENTS/TEACHING AIDS is: Rs. 25,00,000/-

(Rupees TWENTY FIVE LAKHS Only)

Though was no sub-ceiling against Equipments in the XI Plan but the aggregate amount was not been exhausted in the Proposal placed while eliciting the demands for requirement for Laboratory equipments of the laboratory based subjects since the exhaustion of the Ceiling Amount of Rs.19.00 Lakhs against items under the Basic Developmental grant for our college, here would have meant that for the remaining items under the Section would not have been allocated. As no alternative mode of financing is possible for these items this was decided against, as they are not of any lesser importance to the College.

Date _____

Signature _____

Principal: (Dr Milan Kumar Pal)

Seal:

Detailed Project Report (DPR)

**Justifications, Estimated costs and Amount Sought
for**

TEACHING AND LEARNING AIDS

**Under the scheme for Additional Developmental Assistance from
the**

University Grants Commission

By

**RAJA PEARY MOHAN COLLEGE,
UTTARPARA
HOOGHLY, WEST BENGAL**

**Justifications for the Amount Sought for
TEACHING AND LEARNING AIDS**

**Under the scheme for Additional Developmental
Assistance from the
University Grants Commission**

Established on 20th June 1887, Raja Peary Mohan College is a Philanthropic Institution, established by Babu Joy Krishna Mukherjee, the then Zamindar and Social reformist of Uttarpara in the district of Hooghly in West Bengal. The Institution, Initially Known as Uttarpara College, was later moved forward by his able son Raja Peary Mohan Mukherjee, after whom the college was later renamed. It is a Multi-Faculty College with science Arts and Commerce Faculty, affiliated under the University of Calcutta. It has been accredited B++ by NAAC in 2005 and the Internal Quality Assurance Cell of the college is making all sorts of necessary preparation for the Re-accreditation process. The Letter of Intent(LOI) has already been sent to NAAC and IQAC will soon submit the Re-accreditation Assessment Report (RAR).

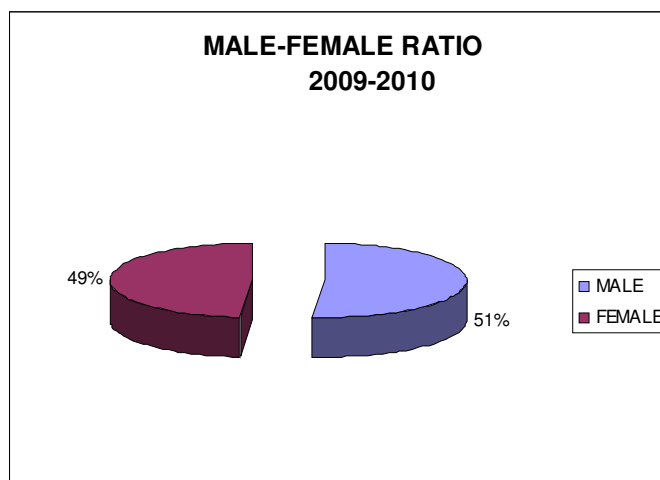
Situated at the junction of three districts of West Bengal— Howrah, North 24 Parganas (Minority Concentrated backward district) and Hooghly (Educationally Backward District) Raja Peary Mohan College caters to different section of students from different social and economic background. Moreover the institution caters to almost 50% girls students every year. Majority of the students come from hinter lands and many of them are first generation learners. The poor economic background of many students and the schools from which they come did not gave them the opportunity to study in a modern, advanced, effective and appropriate methods of teaching and learning equipments or teaching aids required.

Students Profile of the College: Till 30th June 2010—Academic Session 2009-2010

| Number of Scheduled Caste Students | Number of Scheduled Tribe Students | Number of Other Backward Caste (Non-creamy Layer) Students | Number of Students from Minority Communities | Number of General Category Students | Total Number of Students | | |
|------------------------------------|------------------------------------|--|--|-------------------------------------|--------------------------|-------|-------|
| | | | | | Men | Women | Total |
| 202 | 17 | 14 | 81 | 2303 | 1376 | 1305 | 2681 |

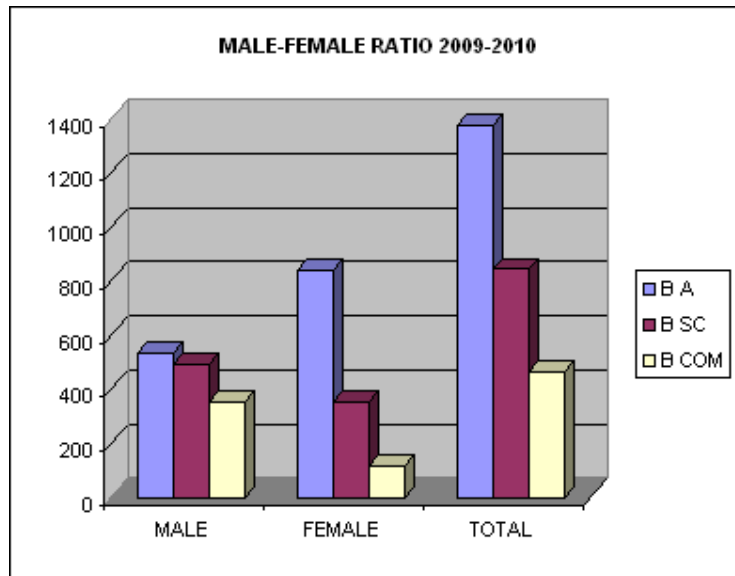
MALE-FEMALE RATIO:

| Total Number of Students | | |
|--------------------------|-------|-------|
| Men | Women | Total |
| 1376 | 1305 | 2681 |



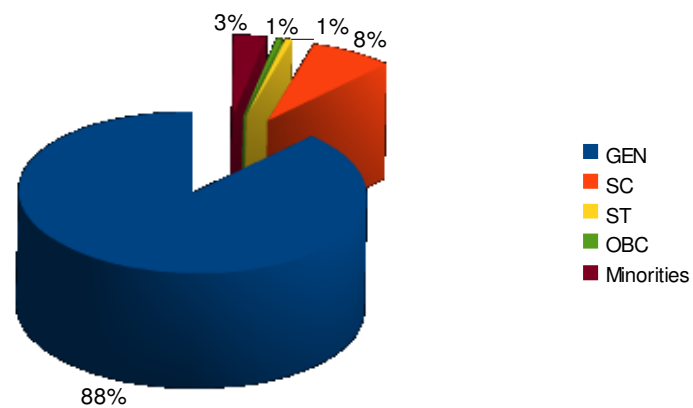
| SUBJECT | MALE | FEMALE | TOTAL |
|---------|------|--------|-------|
| B A | 535 | 839 | 1374 |

| | | | |
|--------------|-------------|-------------|-------------|
| B SC | 491 | 351 | 842 |
| B COM | 350 | 115 | 465 |
| TOTAL | 1376 | 1305 | 2681 |



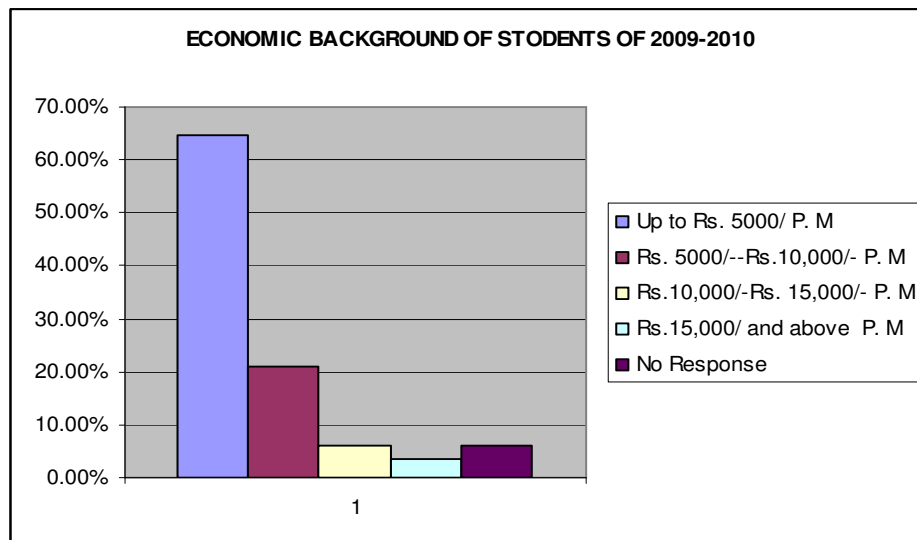
SOCIAL BACKGROUND:

| Number of Scheduled Caste Students | Number of Scheduled Tribe Students | Number of Other Backward Caste (Non-creamy Layer) Students | Number of Students from Minority Communities | Number of General Category Students |
|------------------------------------|------------------------------------|--|--|-------------------------------------|
| 202 | 17 | 14 | 81 | 2303 |



ECONOMIC BCKGROUND:

Economically Backward: At present according to the government of West Bengal Available data of 2005 & 2006 there are about 22% people who live below the poverty line in the Hooghly District where Raja Peary Mohan College is located. Many students who are enrolled in this college come from a background where the family income is below Rs 5000 per month. The data, which are gathered, is from the information that the students give in the admission form during the time of their admission. But we do not have any data regarding students who hold BPL Card. Every year the college authority receives about 300 to 350 applications from the admitted students to waive their college tuition fees whose family income is below Rs 2000/- to Rs 3000/- per month. They even earn themselves by working at nightshift or giving tuitions to other small children. The college authority after verifying the applications with the help of students union and teaching and non-teaching staff waive about 70-100 (Ist, IInd & IIIrd year) students tuition fees of the Students of the B A,, B Sc and B.COM Stream on merit-cum-means basis from their own limited internal resources.



The main objective and goal of the college is to students to give them the exposure to a modern, well-equipped and appropriate teaching and learning facilities in the under graduate level so that they can build up their carrier on a solid academic base. Moreover the University of Calcutta has introduced a completely new syllabus for the under graduate studies for all subjects from this academic year i.e. 2010-2011. For this the college needs assistance from UGC to:

1. The Proposal principally covers the equipments for the laboratory based subjects taught in our college at the under graduate level whose pressing needs could not be addressed in the XI plan proposals (ref no.- -- dated) with respect to our demands, eliciting the requirements, placed in 2009, due to the ceiling mechanism designed by you. To Develop the Laboratory facilities of the five existing Laboratory based Science departments---Physics, Chemistry, Botany , Physiology and Zoology for proper arrangements of instruments required the practical classes and also visual teaching aids to make teaching and learning more effective . Moreover new equipments are required for new syllabus introduced from the Academic year 2010- 11 for the Honours and General course. Moreover, though there was no sub-ceiling against Equipments the aggregate amount was not been exhausted in the Proposal placed while eliciting the demands for requirement for Laboratory equipments of the laboratory based subjects since the exhaustion of the Ceiling Amount of Rs.19.00 Lakhs against items under the Basic Developmental grant for our college, here would have meant that for the remaining items under the Section would not have been allocated. As no alternative mode of financing is possible for these items this was decided against, as they are not of any lesser importance to the College.

2. Assistance is also required for the development of the ICT Facilities for the Computer laboratory based subjects like Mathematics and Commerce according to the new introduced syllabus from 2010-2011.
3. Computers, software & visual teaching aids for setting up a CENTAL COMPUTING LABORATORY for all so that they have a knowledge of basic computer operations, internet browsing so as to make teaching and learning more effective in today's ICT based education and make prepared to face their future carrier.
4. Reprographic Facility for the Library is required so the students can photocopy rare and single copy books and journals present in the library of the college.
5. The College has already started the process of the library automation and has installed LAN. All the departments ,Library and the Office is now connected by LAN through a High End Server for smooth dissemination of information and also for internet facilities. Very soon the INBLIBNET connection in the Library and subscription of e Journals will also be an integral part of the institution which will definitely help both the students and teachers and improve the academic practices of the institution. But for smooth operation of this LAN system some Server Based Anti-Virus software and some Operating Software are required. For this the college need the help of UGC as they are costly and is not possible for the college to meet up the finance single handedly.

Justification for the Requirements of Laboratory and Teaching Aids Equipments for Laboratory based subjects

- New equipments are required for new syllabus introduced from the Academic year 2010- 11 for the Honours and General course.
- The proposal principally covers the equipments for the laboratory based subjects taught in our college at the under graduate level whose pressing needs could not be addressed in the XI plan proposals (ref no.--- dated) with respect to our demands, eliciting the requirements, placed in 2009, due to the ceiling mechanism designed by you. Though there has been no sub-ceiling against Equipments the aggregate amount was not been exhausted in the Proposal placed while eliciting the demands for requirement for Laboratory equipments of the laboratory based subjects since the exhaustion of the Ceiling Amount of Rs.19.00 Lakhs against items under the Basic Developmental grant for our college, here would have meant that for the remaining items under the Section would not have been allocated. As no alternative mode of financing is possible for these items this was decided against, as they are not of any lesser importance to the College.
- Escalation prices of equipments make it different for the college to purchase or replace equipments from its own funds.

*** Detail Justifications & break- up of the names and estimated cost of all requirements Follows according to the needs of the departments.**

**Requirements of Laboratory and Teaching Aids Equipments for the
Department of Botany**

Type of Grant Sought: Laboratory and Teaching Aids required for the Department of Botany and their estimated cost.

Justifications for the Requirements:

- New equipments are required for new syllabus introduced from the Academic year 2010- 11 for the Honours and General course.
- Escalation prices of equipments make it different for the college to purchase or replace equipments from its own funds.

Requirement of Equipments for the Department of Botany & Detail breakup of the names & estimated cost of all the requirements

| Sl No. | Name of Items | Quantity | Total Price Rs. | Justifications for the requirements |
|--------|---|----------|------------------------|--|
| 1 | High speed cooling centrifuge with angle head and voltage stabilizer | 1 | 1,60,000/- | DNA, Protein, Enzyme extraction and assay included in the continuing and revised syllabi. |
| 2 | UV-VIS Spectrophotometer | 1 | 1,20,000/- | DNA, Protein, Enzyme extraction and assay included in the continuing and revised syllabi. |
| 3 | Binocular projection Microscope with Trinocular Observation Head, Camera Adaptor and Digital SLR Camera with LCD Projector and Screen | 1 | 1,80,000/- | Cell Biological, Anatomical and Physiological Practical & As a modern audio-visual teaching aid needed for showing biological and cellular models. |
| 4 | Compound Optical Microscope with oil immersion lens, mechanical stage and Light attachment | 5 | 50,000/- | For microbiology practical, Karyotyping, Micro-anatomy etc. |
| | TOTAL | | Rs. 5, 10,000/- | |

Estimated Costs of EQUIPMENTS/TEACHING AIDS sought is: Rs. 5,10,000/- (Rupees Five Lakhs and Ten Thousand only)

Additional Grant Sought for EQUIPMENTS/TEACHING AIDS is: Rs. 4,00,000/- (Rupees Four Lakhs only)

Requirements of Laboratory and Teaching Aids Equipments for the Department of Chemistry

Type of Grant Sought: Laboratory and Teaching Aids required for the Department of Chemistry and their estimated cost.

Justifications for the Requirements:

- New equipments are required for new syllabus introduced from the Academic year 2010- 11 for the Honours and General course.
- Escalation prices of equipments make it different for the college to purchase or replace equipments from its own funds.

Requirement of Equipments for the Department of Chemistry & Detail breakup of the names & estimated cost of all the requirements

| SI No. | Name of Items | Quantity | Total Price Rs. | Justifications for the requirements |
|--------|---|----------|--------------------|--|
| 1 | Electronic Balance (Mettler) | 1 | 85,000/- | Required for Practical Honours and General Courses |
| 2 | Potentiometer | 1 | 13,000/- | Required for Practical Honours Courses |
| 3 | Conductivitymeter | 2 | 30,000/- | Required for Practical Honours Courses |
| 4 | pH Meter | 1 | 15,000/- | Required for Practical Honours Courses |
| 5 | Laser printer and scanner | 1 | 6,000/- | Required for Practical Honours Courses |
| 6 | UV-VIS spectrophotometer with temperature control | 1 | 1,40,000/- | Required for Practical Honours Courses |
| 7 | Rotary evaporator | 1 | 70,000/- | Required for Practical Honours and General Courses |
| 8 | Water Bath | 1 | 3,000/- | Required for Practical Honours Courses |

| | | | | |
|----|--------------------|---|----------------|--|
| 9 | Vaccum Pump | 1 | 12,000/- | Required for Practical Honours & General |
| 10 | Centrifuge Machine | 1 | 5,000/- | Required for Practical Honours and General |
| 11 | Water Cooler | 1 | 10,000/- | Required for Practical Honours Courses |
| 12 | Polarimeter | 1 | 25,000/- | Required for Practical Honours and General |
| 13 | Dryer | 1 | 1,000/- | Required for Practical Honours and General |
| | Total | | Rs. 4,15,000/- | |

Estimated Costs of EQUIPMENTS/TEACHING AIDS sought is: Rs. 4, 15,000/- (Rupees Four Lakhs and Fifteen Thousand Only)

Additional Grant Sought for EQUIPMENTS/TEACHING AIDS is: Rs. 4,00,000/- (Rupees Four Lakhs and three Thousand only)

Requirements of Laboratory and Teaching Aids Equipments for the

Department of Physics

Type of Grant Sought: Laboratory and Teaching Aids required for the Department of Physics and their estimated cost.

Justifications for the Requirements:

- New equipments are required for new syllabus introduced from the Academic year 2010- 11 for the Honours and General course.
- Escalation prices of equipments make it different for the college to purchase or replace equipments from its own funds.

Requirement of Equipments for the Department of Physics & Detail breakup of the names & estimated cost of all the requirements

| Sl No. | Name of Items | Quantity | Total Price Rs. | Justifications for the requirements |
|--------|---------------------------------|----------|-----------------|--|
| 1 | Experiment on Laser | 1 | 23,000/- | Required for Practical Honours and General Courses Required |
| 2 | Sodium Vapour Lamp | 4 | 14,800/- | |
| 3 | Digital Multimeter | 4 | 10,000/- | |
| 4 | Digital stopwatch | 5 | 5,000/- | |
| 5 | Magnetometer (Vibration) | 2 | 4,000/- | |
| 6 | Balance (K Roy) | 2 | 6,400/- | |
| 7 | Millivoltmeter (ACS) | 3 | 17,100/- | |
| 8 | Polarimeter (INCO) | 1 | 7,000/- | |
| 9 | Biprism | 1 | 35,000/- | |
| 10 | Scanner | 1 | 6,000/- | |
| 11 | Travelling microscope (INCO) | 2 | 24,000/- | |
| 12 | Solenoid (for B-H experiment) | 1 | 2,000/- | |
| 13 | Adjustable Slit (For D1 AND D2) | 1 | 1500/- | |

| | | | | |
|----|---|----|----------|--|
| 14 | Polarid (Inco) | 1 | 6000/- | |
| 15 | LCR Circuit | 1 | 3,200/- | |
| 16 | Grating | 1 | 2,500/- | |
| 17 | Band Gap Four probe method | 1 | 17,000/- | Required for Practical Honours Courses(New Syllabus) |
| 18 | Spectrometer (INCO) | 2 | 50,000/- | Required for Practical Honours and General Courses |
| 19 | Specific heat (Callender and Barnes) method | 1 | 16,000/- | Required for Practical Honours Courses(New Syllabus) |
| 20 | Thermal Conductivity (Leesmethod) (INCO) | 1 | 12,000/- | Required for Practical Honours and General Courses |
| 21 | Newton's ring | 1 | 7,000/- | Required for Practical Honours and General Courses |
| 22 | Meter Bridge | 2 | 4,000/- | Required for Practical Honours Courses(New Syllabus) |
| 23 | Poteutiometer | 2 | 4,000/- | Required for Practical Honours Courses(New Syllabus) |
| 24 | Temperature Controller | 1 | 6,000/- | Required for Practical Honours and General Courses |
| 25 | P. O. Box | 4 | 20,000/- | |
| 26 | Regulated power supply (2v, 5v) | 10 | 15,000/- | |
| 27 | Regulated power supply | 1 | 5,000/- | |
| 28 | Micro ammeter | 5 | 3,000/- | |
| 29 | Digital balance | 1 | 20,000/- | |
| 30 | Platinum Resistance (INCO) | 1 | 7,000/- | |
| 31 | Tuning fork | 1 | 2,000/- | |
| 32 | Ballistic galvanometer | 2 | 4,000/- | |
| 33 | Pohl's Commutator | 3 | 6,000/- | |
| 34 | Educational software | | 40,000/- | |
| 35 | Document Camera | 1 | 42,000/- | |

| | | | |
|----|---|---|---|
| 36 | Anderson Coil | 1 | 4,500/- |
| 37 | Double slit | 1 | 500/- |
| 38 | Mutual Coil | 1 | 4000/- |
| 39 | Helium Source, Hg-Source | 2 | 10,000/- |
| 40 | Computer, Printer and other accessories | 1 | Required for Practical Honours and General Courses 65,000/- |
| | Total | | Rs. 5,31,500/- |

Estimated Costs of EQUIPMENTS/TEACHING AIDS sought)is: Rs. 5,31,500/-Rupees Five Lakhs, thirty one Thousand and five hundred only)

Additional Grant Sought for EQUIPMENTS/TEACHING AIDS is: Rs. 4,00,000/-(Rupees Four Lakhs only)

Requirements of Laboratory and Teaching Aids Equipments for the
Department of Physiology

Type of Grant Sought: Laboratory and Teaching Aids required for the Department of Physiology and their estimated cost.

Justifications for the Requirements:

- New equipments are required for new syllabus introduced from the Academic year 2010- 11 for the Honours and General course.
- Escalation prices of equipments make it different for the college to purchase or replace equipments from its own funds.

Requirement of Equipments for the Department of Physiology & Detail breakup of the names & estimated cost of all the requirements

| Sl No. | Name of Items | Quantity | Total Price Rs. | Justifications for the requirements |
|--------|---|----------|-----------------|--|
| 1 | Distilled Water Plant | 1 | 32,000/- | Required for Biochemistry Practical for both Honours and General Courses (New Syllabus) |
| 2 | Stereo zoom Binocular with camera & drawing attachments (Olympus) with LCD projector and Screen | 1 | 1, 00,000/- | Required for Histology Practical for Honours Courses and also as visual teaching aid(New Syllabus) |
| 3 | Anthropometric measurement set with caliper | 1 | 10,000/- | Required for Experiments with Human Beings(New Syllabus) |
| 4 | Electronic Balance | 1 | 15,000/- | Required for Biochemistry Practical for both Honours and General Courses(New Syllabus) |
| 5 | Compound Microscope(Olympus) | 6 | 72,000/- | Required for Histology Practical for Honours Courses |
| 6 | Oil Immersion Microscope | 1 | 20,000/- | Required for Biochemistry Practical for Honours Courses(New Syllabus) |
| 7 | Over Head Projector | 1 | 12,000/- | Required for Theory classes as visual teaching aid |
| 8 | Spectrophotometer | 1 | 45,000/- | Required for Practical Honours Courses |
| 9 | Incubator (Digital) | 1 | 15,000/- | Required for Practical Honours |

| | | | Courses(New Syllabus) |
|-------------------------------------|----|-------------------------|---|
| 10 Hot air oven (Digital) | 1 | 10,000/- | Required for Practical Honours Courses(New Syllabus) |
| 11 Water bath | 1 | 5,000/- | Required for Practical Honours Courses(New Syllabus) |
| 12 Ergograph | 1 | 1,000/- | Required for Practical Honours Courses(New Syllabus) |
| 13 Permanent Slide | 50 | 5000/- | Required for Histology Practical for Honours Courses |
| 14 Splygmomamometer and Stethoscope | 2 | 3000/- | Required for Practical Honours Courses |
| 15 Stopwatch | 2 | 3000/- | Required for Practical Honours Courses |
| 16 Kymograph (Inco) | 6 | 72,000/- | Required for Practical Honours Courses |
| 17 Electric Stirrer | 1 | 1,200/- | Required for Biochemistry Practical for both Honours and General Courses (New Syllabus) |
| 18 Induction Coil (INCO) | 4 | 20, 000/- | Required for Practical Honours Courses |
| TOTAL | | Rs. 4, 41, 200/- | |

Estimated Costs of EQUIPMENTS/TEACHING AIDS sought is:

Rs. Rs. 4, 41, 200/- (Rupees Four Lakhs Forty One Thousand and Two hundred only)

Additional Grant Sought for EQUIPMENTS/TEACHING AIDS is: Rs. 4,00,000/- (Rupees Four Lakhs only)

Requirements of Laboratory and Teaching Aids Equipments for the

Department of Zoology

Type of Grant Sought: Laboratory and Teaching Aids required for the Department of Zoology and their estimated cost.

Justifications for the Requirements:

- New equipments are required for new syllabus introduced from the Academic year 2010- 11 for the Honours and General course.
- Escalation prices of equipments make it different for the college to purchase or replace equipments from its own funds.

Requirement of Equipments for the Department of Zoology & Detail breakup of the names & estimated cost of all the requirements

| Sl No . | Name of Items | Quantity | Total Price Rs. | Justifications for the requirements |
|---------|--|----------|-----------------|--|
| 1 | DNA Gel apparatus with power pack | 1 | 60,000/- | Required for Practical Honours Courses(New Syllabus) For carrying out DNA analysis after extraction of DNA from Goat liver cells |
| 2 | Spectrophotometer | 1 | 1,00,000/- | Required for Practical Honours and General Courses New Syllabus) for quantification of DNA, RNA and protein |
| 3 | Stereo Zoom Binocular with drawing and camera attachments (Olympus) with LCD projector with screen | 1 | 1, 00,000/- | Required for projection of samples under microscope to a screen through projector for Practical for Honours Courses and also as visual teaching aid (New Syllabus) |
| 4 | Microtome | 1 | 12,000/- | Required for Practical Honours Courses & General (New Syllabus) for preparation of histological slides |
| 5 | Knife (German make) | 1 | 4,000/- | Required for Practical Honours Courses & General (New Syllabus) for preparation of histological slides |
| 6 | Cold centrifuge | 1 | 1,00,000/- | Required for Practical Honours Courses & General (New Syllabus) for cold centrifugate for isolation of DNA, RNA, protein, etc. |

| | | | | |
|---|---------------------|---|-------------------------|--|
| 7 | Incubator (Digital) | 1 | 6,000/- | Required for Practical Honours Courses(New Syllabus) |
| 8 | Refrigerator | 1 | 20,000/- | Required for Chemical and specimen storage. |
| | Total | | Rs. 4, 02, 000/- | |

Estimated Costs of EQUIPMENTS/TEACHING AIDS sought is: **Rs. 4, 02, 000/-**-(Rupees Four Lakhs and Two Thousand Only)

Additional Grant Sought for EQUIPMENTS/TEACHING AIDS is: **Rs. 4,00,000/-**-(Rupees Four Lakhs only)

**Justification for the Requirements of Computers,
Software and Teaching Aids
for Setting up a Modern
Central Computing Laboratory
For
Mathematics, Commerce Departments
(Computer Laboratory based subjects)

And
Students' Arts FACULTY

&

Reprographic Facility for the Central Library**

- Computers, software & visual teaching aids for setting up a **CENTAL COMPUTING LABORATORY** for all so that they have a knowledge of basic computer operations, internet browsing so as to make teaching and learning more effective in today's ICT based education and make prepared to face their future carrier.
- **Computers and Software are required for teaching and learning** for the **new syllabus** introduced from the Academic year 2010- 11 for the Honours and General course in **Mathematics and Commerce**.
- **Reprographic Facility** for the Central Library

- Escalation prices of equipments make it different for the college to purchase or replace equipments from its own funds.

*** Detail Justifications & break- up of the names and estimated cost of all requirements according to the needs of the departments.**

**Resources required for Setting up a Modern
Central Computing Laboratory
For all Students**

Type of Grant Sought: Computer, Software & Visual Teaching Aids required for for Setting up a Modern Central Computing Laboratory For all Students

Requirement of Computer, Software & Visual Teaching Aid & their estimated costs

Detail breakup of the names & estimated cost of all the requirements

| Sl. No. | Item | Quantity | Total Cost (approx.) in Rs. |
|---------|---|----------|--------------------------------|
| 1. | Desktop PC with UPS | 10 | 3,50,000 /- |
| 2. | Interactive white board (smart board) | 1 | 1,25,000 /- |
| 3. | DLP projector | 2 | 1,00,000 /- |
| 4. | Audio system | 1 | 1,00,000 /- |
| 5. | Original Software license (server version) e.g. MS Word, antivirus etc. | 1 | 1,00,000 /- |
| 6 | Over Head Slide Projector with Screen | 2 | 12,000/- |
| | Total | | Rs. 7, 87, 000/- |

Estimated Costs of EQUIPMENTS/TEACHING AIDS sought is: **Rs. 7, 87, 000/-**(Rupees Seven Lakhs and Eighty Seven Thousand Only)

Additional Grant Sought for EQUIPMENTS/TEACHING AIDS is: **Rs. 5,00,000/-**(Rupees Five Lakh s only)

Justification for the Items Required:

For item (1): Desktop computers are required to improve computation facility in the departmental lab of Mathematics and Commerce where under curriculum exposure to computer education is of high priority. Also presently the central computer lab, used by

students of various departments, is not having enough computers. So to enhance the computing facility the college urgently requires those computers.

For items (2), (3) & (4): In modern day education teaching with the help of audio-visual medium is very popular among students. So it is becoming a necessity to build a modern day classroom with multimedia facility.

For item (5): It is required to improve and enhance the local area network (LAN) already present in the college.

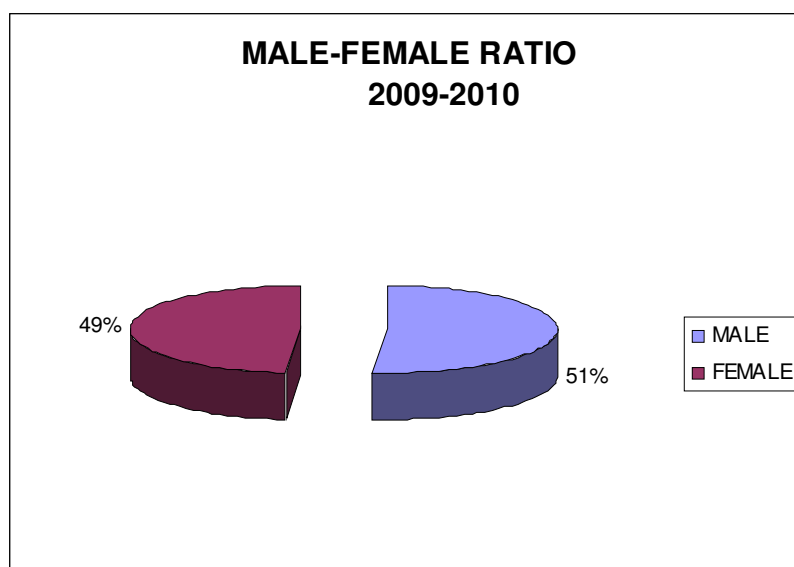
Justification for the Requirements

1. Computers, software & visual teaching aids for **setting up a CENTAL COMPUTING LABORATORY** for all Students of the College so that they can have a knowledge of basic computer operations, internet browsing so as to make teaching and learning more effective in today's ICT based education and make prepared to face their future carrier.

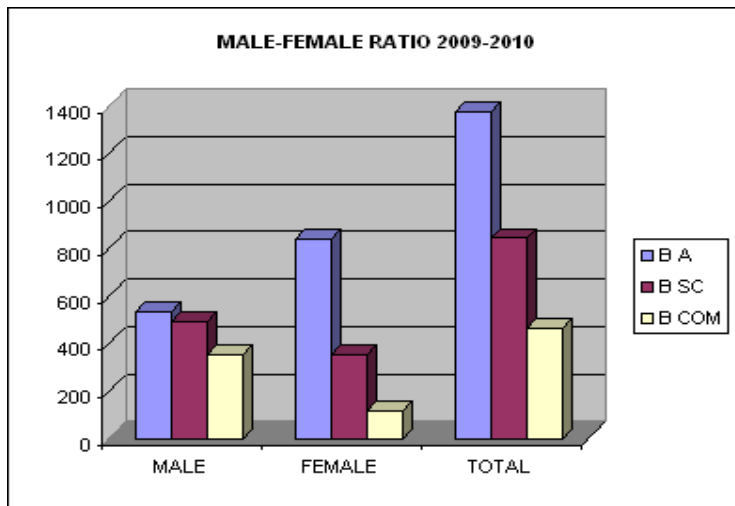
2. Moreover most of the Students Come from a very **poor social and economic background and to get basic ICT knowledge with money from private institute becomes impossible** for them. If a common computer laboratory is set up then these students will be immensely befitted.

MALE-FEMALE RATIO:

| Total Number of Students | | |
|--------------------------|-------|-------|
| Men | Women | Total |
| 1376 | 1305 | 2681 |

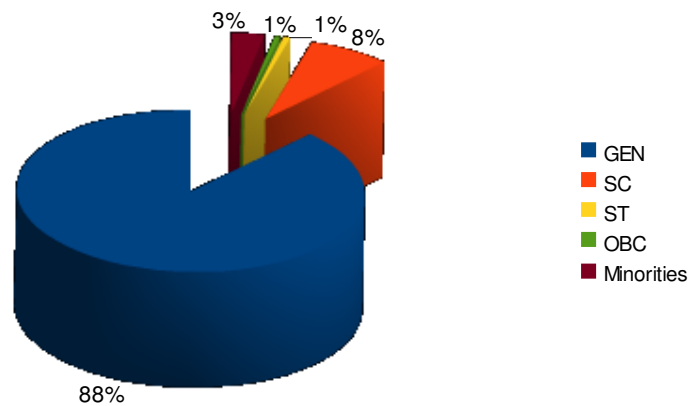


| SUBJECT | MALE | FEMALE | TOTAL |
|---------|------|--------|-------|
| B A | 535 | 839 | 1374 |
| B SC | 491 | 351 | 842 |
| B COM | 350 | 115 | 465 |
| TOTAL | 1376 | 1305 | 2681 |



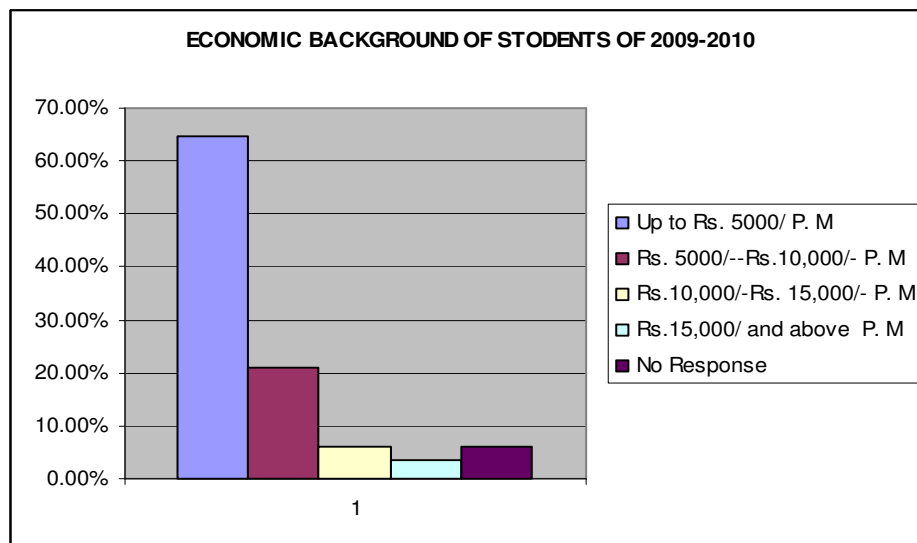
SOCIAL BACKGROUND:

| Number of Scheduled Caste Students | Number of Scheduled Tribe Students | Number of Other Backward Caste (Non-creamy Layer) Students | Number of Students from Minority Communities | Number of General Category Students |
|------------------------------------|------------------------------------|--|--|-------------------------------------|
| 202 | 17 | 14 | 81 | 2303 |



ECONOMIC BCKGROUND:

Economically Backward: At present according to the government of West Bengal Available data of 2005 & 2006 there are about 22% people who live below the poverty line in the Hooghly District where Raja Peary Mohan College is located. Many students who are enrolled in this college come from a background where the family income is below Rs 5000 per month. The data, which are gathered, is from the information that the students give in the admission form during the time of their admission. But we do not have any data regarding students who hold BPL Card. Every year the college authority receives about 300 to 350 applications from the admitted students to waive their college tuition fees whose family income is below Rs 2000/- to Rs 3000/- per month. They even earn themselves by working at nightshift or giving tuitions to other small children. The college authority after verifying the applications with the help of students union and teaching and non-teaching staff waive about 70-100 (Ist, IInd & IIIrd year) students tuition fees of the Students of the B A,, B Sc and B.COM Stream on merit-cum-means basis from their own limited internal resources.



Date _____

Signature _____

Principal: (Dr Milan Kumar Pal)

Seal:

**Expenditure Pattern & Performance Statistics of the Institution of the Developmental Assistance Financed By the
University Grants Commission (UGC) during the XI Plan Period**

Demands Elicited by:

Interface Meeting held on 9th April 2009 at the Eastern Regional office of UGC in form of presentation spread in Four Volumes in the applicable Proforma of UGC of approximately 300 pages.

Funds Allocated/Sanctioned and Received in the form of UGC Ref Letter No. Ref No.FWC2-113/07-08(ERO) Dated 26th November 2009

| Funds For | Allocated | Sanctioned and Received | Remarks |
|---|---|---|--|
| A. Basic Development Assistance | 18.25 Lakhs Ref No.FWC2-113/07-08(ERO) dt.26 th November 2009 | Rs 1, 38, 720/0 as Ist Installment Ref No.FWC2-113/07-08(ERO) dt.18 th September 2007 | UC Submitted Ref No.RPMC/ERO(UGC)UCXIPLAN/200/2008 dt. 4/12/08 |
| | | Rs. 1,38,720/- as 2 nd Installment Ref No.FWC2-113/07-08(ERO) dt.20 th November 2008 | UC Submitted Ref No.RPMC/ERO(UGC)UCXIPLAN/215/2009 dt. 1/4/2009 |
| | | Rs 6, 10,338/- as 3 rd Installment Ref No.FWC2-113/07-08(ERO) dt.12 th February 2009 | Utilized and UC under processing |
| | | Total: 8.87 Lakhs (Rs. 8, 87, 778/-) | |
| B. Merged Schemes | | | |
| 1. Non Recurring | 23.75 Lakhs | 18.75 Lakhs Ref No.FWC2-113/07-08(ERO) dt.20 th November 2009 2.50 Lakhs | Utilized and UC under processing |
| 2. Recurring | 12.50 Lakhs | Ref No.FWC2-113/07-08(ERO) dt.26 th November 2009 | Utilization in Process |
| 3. Building | 20 Lakhs | ----- | Due Diligence under Progress |
| Total | 56.25 Lakhs Ref No.FWC2-113/07-08(ERO) dt.26 th November 2009 | 21.25 Lakhs | ----- |
| Total Basic Development + Merged Schemes (A+B) | 18.25 Lakhs + 56. 25 Lakhs | 8.87 Lakhs + 21.25 Lakhs | ----- |
| Grand Total | 74.50 Lakhs | 30.12 Lakhs | 34.38 (Due) |

Grant A: Basic Development Grant

| SL | Financial Year | Item | Nature of Grant* | Expenditure Allocated by UGC | Amount released/sanctioned by UGC & utilized by the college | Utilization of Fund out of total allocation Released till date (%) | Remarks on Status** |
|-----|-------------------------------------|---|-------------------------|------------------------------|--|--|--|
| A 1 | 2007-2008 2008-2009 2009-2010 | Books and Journals | Basic Development grant | 4 lakhs | Rs: 1, 38,720/ Rs: 4,626/ Rs. 1, 50,000/- Total: Rs: 2, 93,346/- | 73.33 | UC Submitted UC Submitted Utilized & UC under Processing |
| A2 | 2008-2009 2009-2010 | Laboratory Equipments for 5 Science Laboratory based subjects | Basic Development grant | 5 Lakhs | Rs: 1, 38,720/ Rs. 1, 25,000/- Total: Rs. 2, 59, 094/- | 51.82 | UC Submitted Utilized & UC under Processing |
| A3 | 2009-2010 | Maintenance of Equipment | Basic Development grant | 2 Lakhs | Rs. 60,338/- | 30.17 | Utilized & UC under Processing |
| A 4 | | Construction/ Extension/ Renovation of Building | Basic Development grant | 2 Lakhs | ----- | ----- | Due Diligence under Process. |
| A 5 | 2009-2010 | Improvement of facilities in existing premises | Basic Development grant | 1 Lakhs | Rs. 1, 00,00/- | 100 | Utilized & UC under Processing |
| A 6 | | Enhancement of initiative for competence building | Basic Development grant | 0.50 lakhs | ----- | ----- | ----- |
| A 7 | 2009-2010 | Examination reform | Basic Development grant | 0.75 Lakhs | Rs. 75,000/- | 100 | Utilized & UC under Processing |
| A 8 | 2009-2010 | Educational innovation | Basic Development grant | 2 Lakhs | Rs. 1, 00,00/- | 100 | Utilized & UC under Processing |

| | | | | | | | |
|-----|--------------|------------|-------------------------|--------------------|----------------------|---------------|------|
| A 9 | | Field Work | Basic Development grant | 1 Lakhs | --- | --- | ---- |
| | Total | | | 18.25 Lakhs | Rs.8,88,778/- | 49.00% | |

*Basic Development/Merged Schemes/Recurring/Non0Recurring/Building

** Utilized and UC Submitted/Utilized & UC under Processing/Utilization in the Process/Due Diligence under Process.

B Merged Schemes:

| SL | Financial Year | Item | Nature of Grant* | Expenditure Allocated by UGC | Amount released/sanctioned by UGC | Utilized by the college till date | Utilization of Fund out of total allocation Released till date % | Remarks on Status** |
|-----|----------------|---------------|------------------|------------------------------|-----------------------------------|-----------------------------------|--|--|
| B 1 | 2009-2010 | Non-Recurring | Merged Schemes | 23.75 Lakhs | 18.75 Lakhs | 11.87 Lakhs | 59.46 | Utilization is in process for some schemes & UC is under Processing for Utilized amount of the other schemes |
| B 2 | 2009-2010 | Recurring | Merged Schemes | 12.50 Lakhs | 2.50 Lakhs | 0.50 Lakhs | 22.22 | Utilization is in process |
| B 3 | 2009-2010 | Building | Merged Schemes | 20 Lakhs | --- | ---- | ----- | Due Diligence under Process. |
| | TOTAL | | | 56.25 Lakhs | 21.25 Lakhs | 11.37 Lakhs | 50.00% | ----- |

*Basic Development/Merged Schemes/Recurring/Non0Recurring/Building

** Utilized and UC Submitted/Utilized & UC under Processing/Utilization in the Process/Due Diligence under Process.

Grand Total:

| Total Grant | Allocated | Released till Date | Due with UGC |
|--|---------------------------|--------------------------|--------------------------|
| Total Grant Basic Development + Merged Schemes (A+B) | 18.25 Lakhs + 56.25 Lakhs | 8.87 Lakhs + 21.25 Lakhs | 9.37 Lakhs + 34.38 Lakhs |
| Grand Total | 74.50 Lakhs | 30.12 Lakhs | 43.75 Lakhs |

(Dr Milan Kumar Pal), Principal, Raja Peary Mohan College
Uttarpara, Hooghly,