

# List of M.O.U's during the year 2006

S.No	Reg. No.	Date of M.O.U's	Particulars
1	4884	20.01.2006	M.O.U. between Hindustan Petroleum Corpora Ltd, Mumbai (HPCL) and G.B.P.U.A.&T. Pant regarding Mass cultivation of JATROPA
2.	4885	31.01.2006	M.O.U. between G.B. Pant Univ. of Ag. & Tech Pantnagar and Armaco Consultant Pr Ltd, Mumbai (ACPL) for collaborative Venture.
3.	4895	13.02.2006	M.O.U. between The University of Manito Canada & G.B. Pant Univ. of Ag. & Tech Pantnagar.
4	4907	25.02.2006	M.O.U. between Uttaranchal Paryaj Sansad Vikas Evam Nirman Nigam (UAPNN) an G.B. Pant Univ. of Ag. & Tech. Pantnagar regarding rewireing of 189 quarters of diff categories.
5	4923	13.03.2006	M.O.U. between IOWA State University of Science & Technology, Ames Iowa U.S.A. and G.B. Pant Univ. of Ag. & Tech. Pantnagar. to join in a strategic allia to undertake a series of cooperative activities of common interest and mutual benefit.
6.	4924	17.04.2006	M.O.U. between G.B. Pant Univ. of Ag. & Tech. Pantnagar and Ernst & Young Pvt. Ltd, Kolkata regarding Vaccine Tech.
7.	4927		M.O.U. between Agricultural & Processed Food Products Export <sup>DOV</sup> Authority (APEDA) and Tier II Partners.



8	4937	02.05.2006	M.O.U between G.B. Pant Univ. of Ag. & Tech. Pantnagar & Engineering Projects (INDIA) & New Delhi for construction of vaccine Production Centre, Biotechnology Institute include Township & other facilities at Patwara dangar (Nainital)
9	4938	08.05.2006	M.O.U. between G.B. Pant Univ. of Ag. & Tech. Pantnagar and The University of New England, Australia for the purpose of furthering cooperation through both educational and academic exchange
10	4957	13.06.2006	विमान पत्तन के विस्तारीकरण हेतु की गई भूमि की संयुक्त पैमाइस, निशान देही तथा कब्जा हस्तान्तरण की मूल प्रति:
11	4960	02.06.2006	M.O.U. between G.B. Pant Univ. of Ag. Tech. Pantnagar and Uttar Pradesh Rajkiya Nirman Nigam Ltd. for to construct - Administrative Block building of Krishi Vigyan Kendra, Kashipur.
12	4961	26.07.2006	M.O.U. between G.B. Pant Univ. of Ag. & Tech. Pantnagar and Bharat Herbals & Organics Pvt. Ltd. Dehradun for cultivation of Jatropha
13	4962	29.07.2006	M.O.U. between YES BANK Ltd. Mumbai & College of Agribusiness Management G.B. Pant Univ. of Ag. & Tech. Pantnagar
14	5014	25.09.2006	M.O.U. between Hindustan Petroleum Corporation Ltd. Mumbai & G.B.P.U.A.&T. Pantnagar for cultivation of 'JATROPHA' by the University.
15	5031	25.09.2006	M.O.U. between Uttar Pradesh Rajkiya Nirman Nigam Ltd. & G.B.P.U.A.&T. Pantnagar for Construction of International Hostel at Pantnagar.



16	5639	26-10-2006	आपसी सहमति का द्वापत्र विश्वविद्यालय एवं सोसाय फर हारमोनाइजिंग एथीकल्वर पीपल एण्ड एन्वायर्नमेन्ट (। हल्द्वारी, पो. कलालघाटी, पौड़ी गढ़वाल के मध्य केचुआ पालन परियोजना
17	5070	28-10-2006	M.O.U. between Himalayan Institute Hospital Trust (HIHT) as model agency & G.B.U.A&T, Pantnagar for cooperating in the Village Resource Center (VRC) programme in Uttarakhand.
18	5075	<u>20-12-2006</u> 07.01-2007	Memorandum of understanding between G.B.P.W.A&T, Pantnagar & Life Science Cornell University Ithaca, New York, U.S.A. in order to facilitate international academic exchange to develop academic and scientific relationship and in support of collaborative research activities.

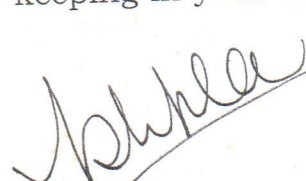


DEPARTMENT OF GENETICS & PLANT BREEDING  
COLLEGE OF AGRICULTURE

No. CA/GPB/.....1233  
Dated: 25.1.2006

Comptroller

I am enclosing herewith the original MOU with folder done on 20.1.2006 between HPCL Mumbai & Pantnagar for keeping in your kind custody.



(A. Shukla)

Assoc. Professor, GPB  
&  
Coordinator, Jatropha

CC: Director Research  
Director Extension  
PS to VC for his kind information

श्री. टी. वी. सिंह  
मुख्य निदेशक  
एच. पी. सी.  
20.1.06



1



Bombay Mercantile Co-operative bank  
Ltd., Kemp's Corner Branch,  
Om Chambers August Kranti Marg,  
Near Godrej Chowk, Mumbai-400 036.

D-5/STP(V)/C.R. 1056/0105/1704-07/05

AUTHORIZED SIGNATORY  
KEMP'S CORNER BRANCH.



### Name of Collaborative Venture:

Propagation, cultivation, extraction and purification of artemisinin crystals  
from *Artemisia annua*

### Preamble

#### Collaborative venture under Public & Private Sector

The "GBPUA&T" and "ACPL" are convinced on reviewing the demand driven market value of artemisinin from *Artemisia annua* crop, that the plan for setting up an industrial unit for extraction & purification of artemisinin is economically viable & of utmost importance. Prior to setting up of industrial scale plant, "ACPL" will develop the extraction & purification plant of pilot scale at "GBPUA&T", based on procedure standardized by "GBPUA&T". The whole exercise from propagation & cultivation to extraction & purification of artemisinin will be under the collaborative mode.

It is realized that "GBPUA&T" has immense technical backup and strong links with the growers of medicinal and aromatic plants over the years for the various on going projects in the areas of Garhwal and Kumaon division for the last five decades. Brief Profile of "ACPL" is given elsewhere in this MOU.

Starting with *Artemisia annua*, the collaborative mode project will later on take up extraction & purification of industrially important crystals from the plants of high altitudes of Uttaranchal viz., Kuth, Kutki etc. This collaborative project will create industrial demand and simultaneously will change the economic scenario of growers of these plants and will make tremendous impact in improving financial health of the state.



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*[Handwritten signatures]*



### Purpose of the Collaborative Venture

The purpose of the partnership venture is to launch a pilot scale plant for extraction & purification of artemisinin from *Artemisia annua* at "GBPUA&T" and later on scaled plant (industry) in Uttaranchal. The Scientific merit of this venture will take appropriate account of existing studies, originality and innovation in the scientific approaches and ideas, capacity building, strengthening and benefit sharing of both "GBPUA&T" scientists and "ACPL".

The project will be funded by "ACPL" and the funds will be provided to "GBPUA&T" for any compensation & benefits to engage the personnel & technical staff, field contingencies, lab contingencies, equipments traveling allowances (TA) and petrol & oil lubricant (POL), hiring vehicle, honoraria to concerned scientific staff, communication, travel and accommodation (if any). 15% of the total cost of the project will be the share of "GBPUA&T" as institutional charges (funds from 'ACPL'). Estimated cost of the project as per Annexure-I

### Memorandum of Understanding

The Memorandum of Understanding (MOU) is signed on the 31<sup>st</sup> day of Jan. 2006 BETWEEN G.B. Pant University of Agriculture & Technology, Pantnagar UA, INDIA (represented by Dr. Basant Ram, Director Experiment Stations) hence forth called "GBPUA&T" and Armaco Consultant Private Limited, A/6, Venus, Navroji Vakil Street, Nana Chowk, Grant Road, Mumbai, INDIA, (represented by Mr. Arvind Mathur, Director) henceforth called "ACPL".

Both the parties agree to carry out this collaborative venture on terms and conditions of the MOU to propagate, cultivate, extract and purify artemisinin from *Artemisia annua* and for launching of pilot scale plant for the extraction and purification of artemisinin, based on the procedures developed by "GBPUA&T" at Medicinal Research and Development Centre (MRDC).

Both the parties further agree to carry out this collaborative venture with in the time frame of 1.5 years starting from Jan 2006. The program of the project will be evaluated on a quarterly basis. An evaluation meeting will be validly constituted if there is a quorum of three fourths of the Members. A Member may request the Chairperson to convene a meeting of the Committee by giving at least 4 weeks' notice in writing.

The project infrastructure in terms of equipments and permanent structures for pilot scale plant, created by "ACPL" will be the property of "GBPUA&T". "ACPL" prefers hiring of available equipment from "GBPUA&T" and charge "ACPL" a hire fee that takes into account purchase, operation and maintenance costs and the useful life of the equipment.

### Brief Profile of Armaco Consultant Pvt. Ltd. "ACPL"

"ACPL" is technically supported by the Director Mr. Arvind Mathur having rich experience since 1984 in the field of high quality process engineering services to the chemical industry. The management of the company has strong technology background and hands-on experience with the chemical process industry. This has contributed to providing successful solutions in the process related assignments to a wide range of industries in India & abroad.

The company has core competence in the field of process engineering by conducting niche jobs in process & utility audits, design & method correction, quality evaluation & upgrading of products and plant scale up.



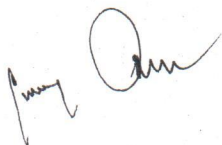
In recent years "ACPL" has focused on the brown field projects to improve performance in existing process industries. This has contributed to harnessing the hidden wealth in existing plants by providing the required boost to the operating profits. The service offering has been broadened to include development of basic engineering package, detailed engineering, project management, supply of specialized equipment and training.

"ACPL" expertise covers a wide range of sectors. In most cases "ACPL's" vast cross functional generic experience in various unit operations, is proven to be more valuable expertise than the knowledge restricted to a particular industry sector. Each scheme is therefore designed to develop and implement changes appropriate to the needs of the clients.

"ACPL" has a spacious functional office set up in South Mumbai, India, near the Central Business District. The office is well connected by air routes, road and railway network. The office is equipped with a good library of technical literature.

### Definitions

- A) **"Agreement"** shall mean this agreement BETWEEN "GBPUA&T" and "ACPL".
- B) **"Authorized Representative"** shall mean a person having the legal authority to enter into this agreement and ensure that his/her institution shall abide by its terms.
- C) **"Effective Date"** shall mean the date that the Agreement is signed by the parties. If the parties sign the Agreement on different dates, the Effective Date shall be the later date of such dates.
- D) **"Parties"** shall mean "GBPUA&T" and "ACPL" entering in to this agreement.
- E) **"Termination Date"** shall mean the date designated by the terminating party as the official last day of operation of the 'Strategies for propagation, cultivation, extraction and purification of artemisinin crystals from *Artemisia annua*'.





### Implementation Milestones for execution of the Project

Sl. No.	Activities	Dec 05	Jan 06	Feb 06	Mar 06	Apr 06	May 06	Jun 06	Jul 06	Aug 06	Sep 06	Oct 06	Nov 06	Dec 06	Jan 07	Feb 07	Mar 07	Apr 07	May 07	Jun 07	Jul 07
1	Submission of project proposal	_____																			
2	Signing of MOU & detailed project implementation schedule		_____																		
3	Collection of elite seed material		_____																		
4	Selection for Contract services		_____																		
5	Site selection & preparation		_____																		
6	Nursery sowing		_____																		
7	Designing experiment on management practices & their implementation		_____																		

*[Handwritten signature]*

Sl. No.	Activities	Dec 05	Jan 06	Feb 06	Mar 06	Apr 06	May 06	Jun 06	Jul 06	Aug 06	Sep 06	Oct 06	Nov 06	Dec 06	Jan 07	Feb 07	Mar 07	Apr 07	May 07	Jun 07	Jul 07
8	Transplanting of experiments																				
9	Supply of equipments, chemicals & glassware																				
10	Intercultural operation																				
11	Observation & sampling																				
12	Extraction of artemisinin at various stages																				
13	Purification																				
14	Crop harvesting																				
15	Designing of pilot scale plant for extraction & purification																				
16	Launching of extraction & purification plant at "GBPUA & T"																				
17	Submission of final report																				

*Handwritten signature and initials*



### Scope of the Agreement

This Agreement sets forth the terms and conditions for collaboration of Armaco Consultant Private Limited.

### Collaborative Venture - Scope of Activities

#### **"GBPUA&T" Responsibilities**

- Optimization of crop management practices for various genetic materials to get maximum productivity of artemisinin.
- Extraction of artemisinin at experimental scale.
- Purification protocols of extract in order to obtain artemisinin crystals.

#### **"ACPL" Responsibilities**

- Designing & implementation of pilot scale plant for extraction & purification to be erected at Medicinal Research and Development Centre (MRDC) "GBPUA&T" on free of cost based on laboratory techniques developed at "GBPUA&T".
- Supply of elite planting material/ seed material.
- Supply of equipments required to complete the pilot plant project

### Proposed Area for Activity

1. Field experiments for standardization, propagation and cultivation strategies for obtaining optimum productivity of artemisinin will be conducted at Medicinal Research and Development Centre (MRDC). Requirement of land for conducting the experiments will be approximately 1000m<sup>2</sup>.
2. The extraction and purification process will be conducted at Biochemistry lab of College of Basic Sciences & Humanities.
3. The pilot scale plant for extraction & purification of artemisinin will be established at MRDC, "GBPUA&T".

### Term and Termination:

In case the production unit remains defunct for more than 18 months due to default or ceases to function by mutual consent, the fixed assets will be returned to "GBPUA&T" without any cost.

### Ownership:

"GBPUA&T" shall have all the rights, on the infrastructure created for the project and entire movable and immovable properties shall remain with "GBPUA&T".



### **Collaboration:**

The collaborative activity will be managed by a committee designated as screening Committee consisting of representatives of both the parties. The Management Committee will be headed by DES with the following composition:

- |  |               |
|--|---------------|
| 1. Director Experiment Station                     | - Chairperson |
| 2. Dr. Sunita T. Pandey, Assoc. Prof. Agronomy,    | - Member      |
| 3. Dr. A. K. Gaur, Assoc. Prof. Biochemistry, CBSH | - Member      |
| 4. Mr. Arvind Mathur, Director, "ACPL"             | - Member      |
| 5. Mr. Rajan Paradkar, General Manager, "ACPL"     | - Member      |
| 6. Comptroller GBPUA&T                             | -Member       |

The Committee has the following responsibilities:

- Appointing a Program Coordinator. The Program Coordinator shall report to the Committee on the performance and progress of the work as and when required by the Committee, but at least once in a quarter.
- Approval of annual budgets, prioritize the agenda and day to-day management of the collaborative venture.
- Efforts for research grants to collaborative venture, guided by the results of independent review and evaluation.
- Establish IPR Principles in an appropriate manner.

### **Budget and Disbursement**

The functions of the Program Co-ordinator would be:



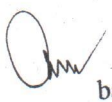
- To maintain an adequate set of books to record the financial transactions of the collaborative venture activity and make available information from such books to any party to this Agreement on request.
- To disburse the funds of the collaborative venture activity in accordance with the decisions of the Committee.
- To stipulate in such budget when and how it requires payment of the amounts provided for in such budget.
- No act in the implementation of the Collaborative Venture activity shall be undertaken unless and until the Program Co-ordinator certifies that funds are available in accordance with such budget for the payment of any expenses incurred by such act.

### **The Start of propagation, cultivation operation & infrastructure development:**

"ACPL" will start the implementation of the project by providing collected elite seed and plant materials & further activities will be conducted jointly by "GBPUA&T" & "ACPL" as per this MOU.

### **Value Creation:**

The sharing of benefits on account of value addition will be carried out on equity basis between "GBPUA&T" and "ACPL".





## **General Provisions:**

### **A. Force Majeure:**

Except for the obligation to pay monetary dues and owing, neither party shall be liable for any delay or failure in performance due to events outside the defaulting party's reasonable control including without limitation, acts of God, earthquake, labor disputes, shortage of supplies, riots, war, fire, epidemics or delays of common carriers or other circumstances beyond its reasonable control. The obligations and rights of excused party shall be extended on a day to day basis for the time period equal to the period, of the excusable delay.

### **B. Resources:**

All labor issues, engagement terms and remuneration of all employees engaged in this project will be the responsibility of "ACPL" based on mutually agreed terms conditions.

### **C. Intellectual property ownership:**

The information generated in the project will be the joint property of "GBPUA&T" & "ACPL". In case of any publication of information from the results of the project confidentiality will be maintained keeping the Company's interests.

### **D. Waiver:**

No waiver of any right or remedy on one occasion by either party shall constitute a subsequent waiver of such right or remedy on any other occasion.

### **E. Assignment:**

This agreement is not assignable by "ACPL", in whole or in part. Any such attempted assignment will be null and void.

### **F. Withdrawal of Member**

A member may cease to be a member of the Collaborative Venture by giving one months' notice in writing to the Project Implementation Committee.

### **G. Relationship**




This Agreement does create a collaborative relationship between the parties. Neither "ACPL" nor its employees shall be deemed to be a legal representative, agent, or employees of the "GBPUA&T". Either party has neither the right nor the authority to, and shall not assure or create any obligations of any nature on behalf of the party, or bind the other party in any interest.

### **H. Modification of Agreement:**

This Agreement may only be modified by a written document executed by "GBPUA&T" & "ACPL". Notwithstanding any provision to the contrary in this Agreement, any resolution in writing signed by all Members to this Agreement shall constitute a decision of the Committee. This Agreement may be amended by a three fourths majority of the Members at a validly constituted Committee meeting.

### **I. Superceding of Previous Communications and Agreements:**

This Agreement is a complete Agreement between the parties concerning the subject matter of this Agreement and replaces any prior Program related oral or written communications between the parties. Previous Agreements or communications not concerning the subject matter of this agreement are not amended or affected in any way by this agreement.



#### **J. Arbitration:**


Any dispute arising during the project "Strategies for propagation, cultivation extract and purification of artemisinin crystal from *Artemisia annua*" would be resolved by the Vice Chancellor as a sole arbitrator. The decision of the Vice Chancellor would be final and binding upon both, the "GBPUA&T" & "ACPL". No suit will lie against the decision of sole arbitrator in any court of law. The Arbitration proceedings shall be conducted expeditiously and with due regard to the expenses that may be incurred by any party. The Committee shall have first attempt to resolve such dispute at two consecutive meetings prior to referring such matter accordingly.

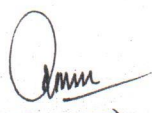
#### **K. Miscellaneous:**

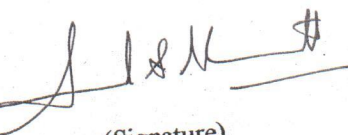
- Each Member enters into this agreement as a Member of an unincorporated Collaborative Venture.
- The Members agree that this Agreement is not intended to create a partnership, agency or trust between them.
- The Members are not entitled to transfer or assign their membership of the Joint Venture without the written approval of the Committee.
- The Members to this agreement agree and undertake that they shall conduct their relations with each other arising from this agreement in a spirit of good faith, and they shall not cause the Collaborative Venture Program, or any part thereof, to be delayed or suspended as a result of any dispute save for good and proper reasons arising out of this agreement.

In witness whereof the Parties hereto have executed this Agreement by their legal representatives as shown below:

Effective Date: - 31/1/2006

  
(Signature)  
**Comptroller**  
GBPUA&T

  
(Signature)  
**Dr. Basant Ram,**  
Director Experiment Stations  
Nominee of Vice - Chancellor  
G.B.Pant University of Agriculture  
& Technology ("GBPUA&T")

  
(Signature)  
**Arvind Mathur**  
Director  
Armaco Consultant Pvt. Ltd  
("ACPL")




**Annexure-I**



**MOU between AP<sup>P</sup>CL and GBPUA&T**

Propagation, cultivation, extraction and purification of artemisinin crystals  
from *Artemisia annua*

**ESTIMATED COST OF THE PROJECT**

1. Field contingencies & contract services:
2. Lab Contingencies:
3. Equipments:
4. Honoraria to concerned scientists
5. Institutional charges (15%)

 **TOTAL COST: Rs. 12 Lakhs (Rupees Twelve Lakhs only)**



**Notes & Order**

No.VC/PA/ 228

Dated Feb.15, 2006

I am enclosing a copy of the MOU signed between The University of Manitoba, Canada and our University on the 13<sup>th</sup> of February 2006, for your information and further necessary action as per the agreement contained in the MOU.



(P.L. Gautam)  
Vice-Chancellor

**All Deans**

Copy to: Comptroller along with the MOU in original for safe Custody of the MOU

नियंत्रक कार्यालय  
242/1  
17/2/06  
ले.मं. (भारत) / वरिष्ठ  
क. सुराष्टी (ले.)  
अथ  
निम्नलिखित  
17-2-06



**This MEMORANDUM OF UNDERSTANDING**

**Dated the 13<sup>th</sup> day of February, 2006**

**BETWEEN:**

**Govind Ballabh Pant University of Agriculture and Technology,  
Pantnagar, India**

**- and -**

**THE UNIVERSITY OF MANITOBA,  
Winnipeg, Manitoba, Canada**

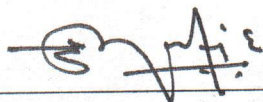
**WHEREAS:**

- A. The Vice Chancellor of Govind Ballabh Pant University of Agriculture and Technology and the President of the University of Manitoba, for the purpose of furthering cooperation through both educational and academic exchanges, hereby affirm their intent to promote such exchanges as will be of mutual benefit for their respective institutions. Educational and academic exchanges are considered here to include but not be limited to:
1. Development of mutually beneficial academic programmes and courses;
  2. Exchange of academic staff for purposes of teaching and research;
  3. Reciprocal assistance for visiting academic staff and students;
  4. Coordination of such activities as joint research, lectures and training;
  5. Exchange of documentation and research materials in fields of mutual interest provided that, to the best knowledge of the respective institutions, there is no prohibition at law or otherwise against the exchange; and,
  6. Exchange of students for study and research;
- B. Details of the implementation of any particular student exchange or faculty-related activity resulting from this Memorandum of Understanding shall be negotiated between the two (2) institutions as such specific case may arise and will be outlined in a Supplementary Student Exchange Agreement or Faculty Exchange Agreement between the institutions. Supplementary Agreements are subject always to availability of sufficient funds to the respective institutions.



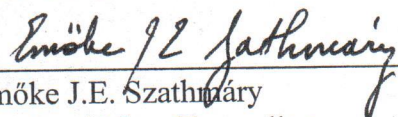
- C. This Memorandum of Understanding reflects the respective institutions' commitments to both educational and academic exchanges as of the date of the Memorandum of Understanding. This Memorandum of Understanding may be amended or terminated at any time by either party provided that notice of termination or amendment is provided by the notifying party to the other party within thirty (30) days of the date on which the termination or the amendment is intended to become effective. Any amendment or termination shall not have effect on any arrangement in place at the time that the notice is provided, where the arrangement arises from any Supplementary Agreements resulting from this Memorandum of Understanding.

IN WITNESS WHEREOF the parties hereto have executed the **MEMORANDUM OF UNDERSTANDING** as of the date first written above.



Witness  
Dr. Digvir S. Jayas  
Associate Vice-President (Research)

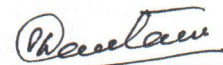
The University of Manitoba

Per:   
Dr. Emőke J.E. Szathmáry  
President and Vice Chancellor  
University of Manitoba  
Winnipeg, Manitoba, Canada



Witness  
Dr. K.N. SHUKLA  
Dean Technology  
Pantnagar

Govind Ballabh Pant University of  
Agriculture and Technology

Per:   
Dr. Prem Lal Gautam  
Vice Chancellor  
Govind Ballabh Pant  
University of Agriculture and Technology,  
Pantnagar, India



4907

भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

रु. 100



सत्यमेव जयते

ONE  
HUNDRED RUPEESभारत INDIA  
INDIA NON JUDICIAL

उत्तरांचल.UTTARANCHAL

442378

## Memorandum of Understanding

The memorandum of understanding is made at G.B. Pant Agriculture & Technology University, Pant Nagar on this 2<sup>nd</sup> February 2006 between G.B. Pant College (hereinafter called "the Client" which expression shall unless repugnant to the context thereof include successor-in-office and assigns) of the part and "Uttaranchal Peyjal Sansadhan Vikas Evam Nirman Nigam" (Hereinafter called the UAPNN which expression shall unless repugnant to the context thereof include its assigns) of the other part.

WHEREAS at the proposal of the "Client", the UAPNN has agreed to execute Rewiring of 189 quarters of different categories at G.B. Pant University of agriculture & Technology, Pantnagar, Uttaranchal. (hereinafter called the "Project") as per G.O. No. 3/234(2)/XIII-II/2004 dated 07 February, 2006.

1. It is understood that ceiling cost of the Project will remain 22.90 Lacs as sanctioned vide G.O. No. 33/234(2)/XIII-II/2004 dated 07 February, 2006 subject that flow of funds is maintained by client as per clause 3 of the memorandum of understanding. In case there is revision of cost due to reasons mentioned below the detailed Project Report will be submitted by UAPNN to the university for

उत्तरांचल विश्वविद्यालय  
वि. ए. प्रौद्योगिक विभाग  
45 (उद्यमसिद्ध नगर)


Project Manager  
E/M Unit, Constt. Wing  
Uttaranchal Paval Nigam



sanction from Government. Due to site conditions excessive requirement of reworking works shall be executed as per P.W.D. Specification.

2. It is understood that UAPNN shall start actual work only after the "client" has (1) communicated in writing to UAPNN its Administrative and financial sanction of the preliminary estimates based on the estimate approved by the government and (3) within THIRTY(30) days the issue of letter of Indent, by the client deposited with UAPNN sufficient advance being not less than 50 % of the estimated cost. The UAPNN shall start the work within 30 days with effect from the last date of the three dates as above.
3. It is understood that at the time of allotment of works, flow of funds be mutually decided in accordance with the expected/ desired progress of work (by the client) as per Annexure VI.
4. **Drawings/Designs/Detail Project Report**  
The entire work will be executed according to the bill of quantity (attached drawings) (Annexure- VII ) and list of houses as per category (Annexure - VIII ) These drawing may be updated, amended by mutual consent of CLIENT and UAPNN.
5. **Centage Charges**  
It is understood that the construction work will be taken up by the UAPNN as deposit work on the basis of Actual Cost of Labours, Materials, Equipments and all other inputs as defined in Annexure-I, which will form the part of this Memorandum of understanding. The 12.5% (as amended) of the Actual cost will be charged as "Centage Charges" in accordance with Uttaranchal Government.
6. **Project Cost:**  
It is understood that the entire work shall complete within stipulated time if not completed due to following reasons:-

सत्य  
द्वितीय  
को. ब. पन्त कृषि एवं प्रौद्योगिक विप्लव विद्यालय  
पन्तनगर - 263145 (ऊधमसिंह नगर)

  
Project Manager  
E/M Unit, Constt. Wing  
Uttaranchal Payjal Nigam  
Dehradun



- a. Due to non-availability of funds.
- b. Due to non-availability of site.

The estimate shall be revised as per P.W.D. specifications and satisfaction of client and revised sanction shall be obtained from the government. If the Final Actual cost is less than the Revised Estimated cost, only the Final Actual Cost will be charged. The total present estimated cost of the Project as approved by the Government is Rs. 22.90 Lacs.

#### 7. Time of Completion

- (a) It is understood that the UAPNN shall take up the work in accordance with the priorities indicated in writing by a Joint Perk showing the activities of client (completion date 25/8/06) and the UAPNN, which will be updated according to the constraints of either party from time to time.
- (b) The UAPNN execute and completely finish the project within stipulated time from the date of receipt of 50% amount of the estimated cost as advance subject to cash flow as per clause-3, above, unless prevented by any Labour Strikes, Fire accident, Earthquake, Mob-violence, attack from the air or any other major disturbance (force measure) or any other reasons beyond the control of the UAPNN. In the case of any such event, the UAPNN will obtain written permission from the client for extension of time and completely finish the project within the extended time

The UAPNN shall also be entitled to get the compensation for losses/ extra expenditure, if any, incurred due to the damages on account of causes mentioned above, if such cause(s) were not beyond the control of UAPNN. The decision of the Managing Director of UAPNN & Vice Chancellor of G.B. Pant Agriculture & Technology University Pant Nagar, jointly as to whether the causes were not beyond the control of the UAPNN as to the amount of compensation for losses/ extra expenditure shall be binding on the client.

*Handwritten signature*  
प्रिन्सिपल निदेशक  
जी. बी. पन्त कृषि एवं प्रौद्योगिक विश्वविद्यालय  
पन्तनगर - 201 305 (उधमसिंह नगर)

*Handwritten signature*  
Project Manager  
E/M Unit, Constt. Wing  
Uttaranchal Payal Nigam  
Dehradun



#### **Insurance:**

In case, the client desires, the UAPNN SHALL MAKE insurance of property against damages, accidents, fire, riots or any act of "GOD" and the charges incurred for this purpose will be included in the "Actual Cost of the Project"

#### **9. Accounts:**

The Periodical Accounts of the UAPNN are being audited by the Statutory Auditors (Chartered Accountants). The UAPNN shall submit to the client such periodical audited accounts of the unit, relating to the work as and when audited in the format enclosed hereto as Annexure III. The final accounts shall be submitted in format enclosed hereto as Annexure IV. The client shall also have an access to the books of accounts of UAPNN, in case, if the client deems it necessary.

#### **10. Inspection of work and Quality Controls:**

It is understood that the client or any person authorized by it/him not below the ranks of Assistant Director, work and plants may inspect the "Construction work" at any time and from time to time to satisfy itself/ himself that the work are being executed by the UAPNN as per drawing and specifications as provided in the Preliminary Estimate. If any defects or variation made without the written request of the client are found during the inspection, they will have to be rectified by the UAPNN at its own cost on written notice by the client within 30 (Thirty) days from its receipt.

#### **11. Compensation for Damage:**

It is understood that the UAPNN shall remain liable to and shall indemnify the client, in respect of losses, damages or compensation arising out of any accident or injury, sustained by the client or by any workman in the employment of the UAPNN while in or upon the said work or the same arising out of any act: default or negligence, error in judgment on the part of UAPNN, its employees or agents,

*amr*  
प्रति निदेशक  
डॉ. क. पन्त कुवि एवं प्रौद्योगिक विद्यालय  
सन्तनगर - 263145 (जबलपुर नगर)

*[Signature]*  
Project Manager  
E/M Unit, Constt. Wing  
Uttaranchal Payal Nigam  
Dehradun



## 12. Settlement of Disputes:

In witness whereof the parties hereto have set their hands through their authorized representatives on this deed and affixed their seals on date, months and year first above written.

**For and on behalf of UAPNN**

~~PROJECT MANAGER~~

(In the presence of)

1.

Ashwinish  
A. H. Pany  
over

1.

~~Hay~~  
A.R.E.  
Elmhit Wehrden.

2.

Slack  
(A.A. Khan)  
Dy. DWPI(B)



## ANNEXURE-VI

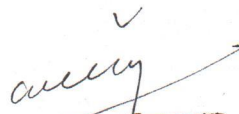
### FLOW OF FUNDS

1. Mobilization amount will be 50% of sanctioned amount.
2. Next 40% amount will be released after utilisation of 40% of sanctioned amount.
3. Balance 10% amount will be released after utilisation of 80% of the sanctioned amount.

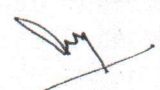
For and on behalf of

G.B.Pant Univ. of Agri. & Technology

Pantnagar

  
**COMPTROLLER**  
डॉ. व. पन्त कृषि एवं प्रौद्योगिक विश्वविद्यालय  
पन्तनगर - 263145 (ऊधमसिंह नगर)

For and on behalf of UAPNN

  
**PROJECT MANAGER**  
Project Manager  
E/M Unit, Constt. Wing  
Uttaranchal Payjal Nigam  
Dehradun



कृषि एवं विपणन अनुभाग-2

विषय: विश्वविद्यालय मुख्य परिसर 189 आवासों की रिवाइरिंग हेतु प्राथमिक आंकलन रु० 22.90 लाख की प्रशासनिक एवं वित्तीय स्वीकृति के सम्बन्ध में।

देहरादून: दिनांक: 7 फरवरी, 2006

उपरोक्त विषयक वित्त नियंत्रक के पत्र संख्या विनि/बजट/2006/191 दिनांक 9.1.2006 के संदर्भ में मुझे यह कहने का निदेश हुआ है कि श्री राज्यपाल महोदय विश्वविद्यालय मुख्य परिसर के 189 आवासों की विद्युत रिवाइरिंग हेतु पेयजल संसाधन विकास एवं निर्माण निगम, उत्तरांचल द्वारा प्रस्तुत प्राथमिक आंकलन के सम्प्रेष रु० 22.90 लाख की वित्तीय/प्रशासनिक स्वीकृति के साथ साथ वित्तीय वर्ष 2005-06 में उक्त कार्य के लिए रु० 22,90,000.00 (रु० बाईस लाख नब्बे हजार मात्र) व्यय हेतु निम्न शर्तों के अधीन आपके निवर्तन पर रखे जाने की सहर्ष स्वीकृति प्रदान करते हैं।

- आंगणन में उल्लिखित दरों का विश्लेषण विभाग के अधीक्षण अभियन्ता द्वारा स्वीकृत/अनुमोदित दरें जो शिड्यूल आफ रेट में स्वीकृत नहीं हैं अथवा बाजार भाव से ली गई हों, की स्वीकृति नियमानुसार अधीक्षण अभियन्ता का अनुमोदन आवश्यक होगा।
- कार्य कराने से पूर्व विस्तृत आंगणन/मानत्रित गठित कर नियमानुसार सक्षम प्राधिकारी से प्राविधिक स्वीकृति प्राप्त करनी होगी, बिना प्राविधिक स्वीकृति के कार्य को प्रारम्भ न किया जाय।
- कार्य पर उतना ही व्यय किया जाय जितना कि स्वीकृत नार्म है, स्वीकृति नार्म से अधिक व्यय कदापि न किया जाय।
- एक मुश्त प्राविधान को कार्य करने से पूर्व विस्तृत आंगणन गठित कर नियमानुसार समक्ष प्राधिकारी से स्वीकृति प्राप्त करना आवश्यक होगा।
- कार्य कराने से पूर्व समस्त औपचारिकताएं तकनीकी दृष्टि को मध्य नजर रखते हुए एवं लोक निर्माण विभाग द्वारा प्रचलित दरों/विशिष्टियों के अनुरूप ही कार्य को सम्पादित करना सुनिश्चित करें।
- कार्य कराने से पूर्व स्थल का भली-भाँति निरीक्षण उच्च अधिकारियों के साथ आवश्यक करा लें। निरीक्षण के पश्चात स्थल आवश्यकतानुसार निर्देशों तथा निरीक्षण टिप्पणी के अनुरूप कार्य किया जायें।
- आंगणन में जिन मदों हेतु जो राशि स्वीकृति की गयी है, उसी मद पर व्यय किया जाए, एक मद का दूसरी मद में व्यय कदापि न किया जाय।
- निर्माण सामग्री को प्रयाग में लाने से पूर्व सामग्री का किसी प्रयोगशाला से टैस्टिंग करा ली जाय तथा उपर्युक्त पायी जाने वाली सामग्री को ही प्रयोग में लाया जाय।

2- उपरोक्त धनराशि का देयक पंतनगर विश्वविद्यालय द्वारा बनाया जायेगा तथा कुलपति व वित्त नियंत्रक के द्वारा संयुक्त रूप से हस्ताक्षरित होगा एवं जिलाधिकारी, उधमसिंहनगर द्वारा प्रतिहस्ताक्षरित किया जायेगा।

3- उक्त कार्य पर होने वाला व्यय चालू वित्तीय वर्ष 2005-06 में अनुदान संख्या 17 के अधीन लेखाशीर्षक 2415 - कृषि अनुसंधान - 00 - आयोजनागत - 80 - सामान्य - 120 - अन्य संस्थाओं को सहायता - 05 - पंतनगर विश्वविद्यालय में वाह्य शोध केन्द्रों का निर्माण - 20 सहायक अनुदान/अंशदान/राज सहायता के अन्तर्गत सुसंगत इकाईयों के नामे डाला जायेगा।

VA  
Direct (Conf-2005) 216/2  
cc. P.C.



आंगणन मूलकन न सलन कर प्राषत ह।

यह आदेश वित्त विभाग के असासकीय संख्या 331/वित्त (व्यय नियंत्रण) अनुभाग-4/2005 दिनांक 12/05/2005 में प्राप्त उनकी सहमति से जारी किये जा रहे हैं।

संलग्न - व्योपरी।

भवदीय,

(बी0आर0टम्टा)  
संयुक्त सचिव

संख्या 33/234(2)/XIII-II/2005 दिनांकित

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :-

1. महालेखाकार, उत्तरांचल, देहरादून।
2. आयुक्त कुमौयू मण्डल, नैनीताल।
3. जिलाधिकारी उधमसिंहनगर।
4. कोषाधिकारी, उधमसिंहनगर।
5. वित्त नियंत्रक, पंतनगर विश्वविद्यालय।
6. परियोजना प्रबन्धक, निर्माण शाखा (वि0/या0) उत्तरांचल पेयजल निगम, देहरादून।
7. वित्त व्यय नियंत्रण अनुभाग-4/नियोजन अनुभाग।
8. बजट, राजकोषीय नियोजन व संसाधन निदेशालय, सचिवालय देहरादून।
9. गार्ड फाईल।

आज्ञा रो,

(बी0आर0टम्टा)  
संयुक्त सचिव

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## Preliminary Estimate for Rewiring of 189 Quarters of Category I, II, III &amp; IV

## FORM - 'J'

Sl. No.	Description of Item	Amount (Rs. In Lacs)	
1	Cost of Work	21.67	21.45
	Sub Total	21.67	21.45
2	Less @ 5% departmental rebate given by Uttaranchal Peyjal Nigam	(-) 1.08	1.07
	Sub Total	20.59	20.38
3	Add Departmental Centage 12.5%	2.57	2.55
	Total	23.16	22.93

Prepared by

Praveen Kumar Rai  
(Praveen Kumar Rai)  
Resident Engineer

Recommended by

(M.C.Joshi)  
Project Manager

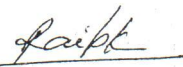
Construction Wing (E/M) Uttaranchal Peyjal Nigam, Dehradun


Sy Rs 22.90  
22.90



Brief Review of Estimated Cost of Rewiring of 189 quarters of Category I, II, III, IV & V

		(in Rs.)	
1 Cost of Rewiring of 9 Nos. of I category quarters	=	270000.00	2.70 lac
2 Cost of Rewiring of 15 Nos. of II category quarters	=	350000.00	3.50 "
3 Cost of Rewiring of 25 Nos. of III category quarters	=	304000.00	3.03 "
4 Cost of Rewiring of 40 Nos. of IV category quarters	=	470000.00	4.70 "
5 Cost of Rewiring of 100 Nos. of V category quarters	=	690000.00	7.10 "
Sub-Total	=	2084000.00	21.03 lac
Contingency 4%	=	83360.00	0.42 "
TOTAL	Rs.	2167360.00	21.45 lac
Say	Rs.	21.67 lac	

  
(Praveen Kumar Rai)  
Resident Engineer

  
(M.C. Joshi)  
Project Manager



# ESTIMATE OF REWIRING OF 9 QUARTERS OF CATEGORY (I)

S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Wiring point for light with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type switch & ceiling/rose/angle/botton holder on 3mm thick phenolic laminated backelite sheet etc. complete in all respects as directed.	121(C)	EACH	34 No.	215.00	7310.00
2	Wiring point for 2-way light with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, 2-way 2 no. piano type switch & ceiling/rose/angle/botton holder on 3mm thick phenolic laminated backelite sheet etc. complete in all respects as directed.	122(C)	EACH	3 No.	277.00	831.00
3	Wiring point for fan/fresh air fan(light duty exhaust fan) with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type switch & ceiling/rose/angle/botton holder on 3mm thick phenolic laminated backelite sheet etc. complete in all respects as directed.	123(C)	EACH	9 No.	286.00	2574.00
4	Wiring point for plug with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type bell switch & socket etc. complete in all respects as directed.	124 (C)	EACH	11 No.	120.00	1320.00
5	Wiring point for call bell with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type bell switch & ceiling/rose/angle/botton holder on 3mm thick phenolic laminated backelite sheet etc. complete in all respects as directed.	125 (C)	EACH	1 No.	191.00	191.00



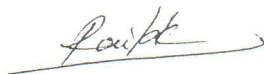
S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
6	Supply and wiring of sub-main with 2 no. 6 sq.mm FR PVC insulated 1100volt grade multistrand single core copper conductor in 25mm dia heavy duty (2mm thick) PVC conduit with 1 no. 4sqmm FR PVC insulated multistand copper conductor cable as earth continuity wire drawn in conduit.	212 (C)	MTR	80 M	83.00	6640.00
7	Supply and wiring of sub-main with 2 no. 10 sq.mm FR PVC insulated 1100volt grade multistrand single core copper conductor in 25mm dia heavy duty (2mm thick) PVC conduit with 1 no. 6sqmm FR PVC insulated multistand copper conductor cable as earth continuity wire drawn in conduit.	213 (C)	RM	20 RM	119.00	2380.00
8	Supply & fixing of batton/angle batton/holder complete in all respects	405	EACH	25 No.	24.00	600.00
9	S/F of water tight bulk head fitting complete with holder ribbed glass rubber gasket GI guard etc. complete in all respects	407	EACH	7 No.	88.00	616.00
10	S/B of earth electrode for lighting conductor of 600mm x 600mm x 6mm GI plate vertically for earthing with its top at least 3M below ground level complete with 20mm GI pipe for watering funnel 30sq.cm CI frame with hinged cover masonry housing alternate layers of charcoal/coke and salt at least 150mm thick all around etc. complete in all respects	706	EACH	1 No.	2136.00	2136.00
11	S/L of 25mm x 3mm GI strip from earth electrode directly in ground or required complete in all respects	716	RM	15 RM	42.00	630.00
12	S/F of testing joint of GI strip 32mm x 6mm and 150mm long with GI bolt & nut etc. complete in all respects	719	EACH	5 No.	27.00	135.00
13	S/F of call bell of approved make on polished MDFEG board including making connection etc. complete in all respects.	1101	EACH	1 No.	104.00	104.00



S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	S/F of square GI earth connecting strip complete with holes for earth leads and clamping screw as directed complete in all respects	1113				
	(C) Suitable for 4 nos. earth leads		EACH	12 No.	31.00	372.00
	(F) Suitable for 10 nos. earth leads		EACH	2 No.	65.00	130.00
15	S/F of crimping solders, copper, tin electrode lugs, electroplate lugs of Dowell/ISMAIL make, suitable for 1.5sq.mm to 6sq.mm cable including taping with insulated tape complete in all respects	1129	EACH	8 No.	9.00	72.00
16	S/F of power plug with 15amp/240V flush type switch & pin 15amp/250V flush plug type socket in suitable MS box of 175mm x 100mm x 75mm size with bakelite sheet cover 3mm thick fixed brass machine screw and cup washer.	1139	EACH	4 No.	209.00	836.00
17	S/F of electronic type energy meter 5amp to 10amp	UPCL rate list 20	EACH	1 No.	1125.00	1125.00
18	S/F surface/flush mounting 12-way SPN distribution board without MCB complete in all respects and directed at site	1025	EACH	1 No.	577.00	577.00
19	S/F of 6/10/16/20/25/32amp MCB (10KA)	1002	EACH	8 No.	120.00	960.00
20	S/F of 40amp DP MCB (10K amp) isolator	1010	EACH	1 No.	424.00	424.00
TOTAL						29963.00

The Cost of re-wiring of 1 No. of quarter = Rs.29963.00

So the cost of wiring of 9 No. of quarters = Rs.29963.00 x 9 = Rs.269667.00  
Say Rs.270000.00



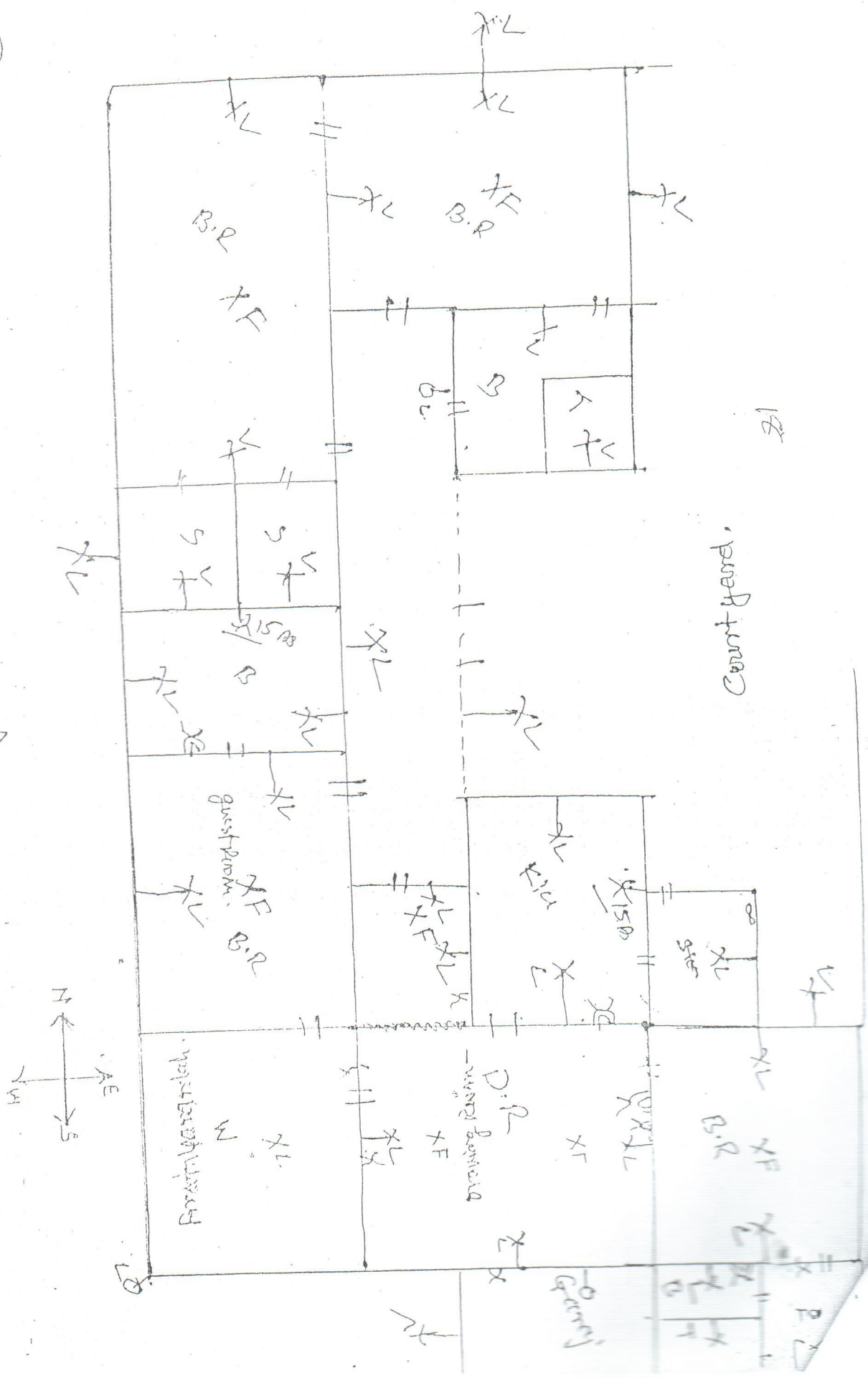
(Praveen Kumar Rai)  
Resident Engineer

(M.C.Joshi)  
Project Manager



46  
7

Electrical Drawing of B.N. V. 1353





# Detail measurement of Q.N. V/1353

Similar for other BRM clumps (Q.N. 1354, 1355, 1356, 1357, 1358, 1359, 1360 & 1361)

Sl. No.	Detail	121A LP	405 Hinder	405 BLH	1139 PDISA	124A PDISA	45346 Tula	123A F.P.	127A COP.F.P.	122A TLD	365 BDBB	367 BDBB	1129 LUT	1129 P.D.I.	1129 P.D.I.
1-	2m grass	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
2-	2m road & grass	IND	—	IND	—	—	—	—	—	—	—	—	—	—	—
3-	Bed of grass in toilet	IND	IND	—	—	—	—	—	—	—	—	—	—	—	—
4-	" " " " " " " "	IND	IND	—	IND	IND	—	IND	—	—	—	—	—	—	—
5-	2m Servant Room	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
6-	2m Port Unwashed	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
7-	2m Port A First Unwashed	IND	—	IND	—	IND	—	—	—	—	—	—	—	—	—
8-	2m Drawing Room	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
9-	2m Kitchen	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
10-	2m Kitchen Store	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
11-	2m Store Room	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
12-	2m Court Yard	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
13-	Guest Room	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
14-	Combined Room & Toilet	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
15-	2m Bed Room	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
16-	2m Store R/O 1	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
17-	2m Store R/O 2	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
18-	2m Bed Room	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
19-	2m Toilet	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
20-	2m Port Unwashed	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
21-	2m Bed Room	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
22-	2m out side of building	IND	IND	—	—	IND	—	—	—	—	—	—	—	—	—
23-	Total	24m	25m	7m	1m	11m	2m	8m	1m	8m	1m	2m	2m	2m	2m



# ESTIMATE OF REWIRING OF 15 QUARTERS OF CATEGORY (II)

S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Wiring point for light with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type switch & ceiling/rose/angle/batton holder on 3mm thick phenolic laminated b	121(C)	EACH	20 No.	215.00	4300.00
2	Wiring point for 2-way light with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, 2-way 2 no. piano type switch & ceiling/rose/angle/batton holder on 3mm th	122(C)	EACH	3 No.	277.00	831.00
3	Wiring point for fan/fresh air fan(light duty exhaust fan) with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type switch & ceiling/rose/angle/batto	123(C)	EACH	7 No.	286.00	2002.00
4	Wiring point for plug with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type bell switch & socket etc. complete in all respects as directed.	124 (C)	EACH	8 No.	120.00	960.00
5	Wiring point for call bell with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type bell switch & ceiling/rose/angle/batton holder on 3mm thick pheno	125 (C)	EACH	1 No.	191.00	191.00



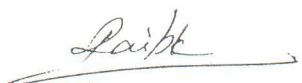
S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	Supply and wiring of sub-main with 2 no. 10 sq.mm FR PVC insulated 1100volt grade multistrand single core copper conductor in 25mm dia heavy duty (2mm thick) PVC coduit with 1 no. 4sqmm FR PVC insulated multistand copper conductor cable as earth continuity	212 (C)	MTR	60 M	83.00	4980.00
7	Supply and wiring of sub-main with 2 no. 10 sq.mm FR PVC insulated 1100volt grade multistrand single core copper conductor in 25mm dia heavy duty (2mm thick) PVC coduit with 1 no. 6sqmm FR PVC insulated multistand copper conductor cable as earth continuit	213 (C)	RM	20 RM	119.00	2380.00
8	Supply & fixing of batton/angle batton/holder complete in all respects	405	EACH	18 No.	24.00	432.00
9	S/F of water tight bulk head fitting complete with holder ribbed glass rubber gasket GI guard etc. complete in all respects	407	EACH	3 No.	88.00	264.00
10	S/B of earth electrode for lighting conductor of 600mm x 600mm x 6mm GI plate vertically for earthing with its top at least 3M below ground level complete with 20mm GI pipe for watering funnel 30sq.cm CI frame with hinged cover masonary housing alternate	706	EACH	1 No.	2136.00	2136.00
11	S/L of 25mm x 3mm GI strip from earth electrode directly in ground or required complete in all respects	716	RM	15 RM	42.00	630.00
12	S/F of testing joint of GI strip 32mm x 6mm and 150mm long with GI bolt & nut etc. complete in all respects	719	EACH	8 No.	27.00	216.00
13	S/F of call bell of approved make on polished MDFEG board including making connection etc. complete in all respects.	1101	EACH	1 No.	104.00	104.00



S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	S/F of square GI earth connecting strip complete with holes for earth leads and clamping screw as directed complete in all respects	1113				
	(B) Suitable for 3 nos. earth leads		EACH	8 No.	22.00	176.00
	(C) Suitable for 4 nos. earth leads		EACH	4 No.	31.00	124.00
	(E) Suitable for 10 nos. earth leads		EACH	1 No.	65.00	65.00
14	S/F of crimping solders, copper, tin electrode lugs, electroplate lugs of Dowell/ISMAIL make suitable for 1.5sq.mm to 6sq.mm cable including taping with insulated tape complete in all respects	1129	EACH	3 No.	9.00	27.00
15	S/F of power plug with 15amp/240V flush type switch & pin 15amp/250V flush plug type socket in suitable MS box of 175mm x 100mm x 75mm size with bakelite sheet cover 3mm thick fixed brass machine screw and cup washer	1139	EACH	2 No.	209.00	418.00
16	S/F of electronic type energy meter 5amp to 10amp	By UPCL rate list 2005	EACH	1 No.	1125.00	1125.00
17	S/F surface/flush mounting 12-way SPN distribution board without MCB complete in all respects and directed at site	1025	EACH	1 No.	577.00	577.00
18	S/F of 6/10/16/20/25/32amp MCB (10KA)	1002	EACH	8 No.	120.00	960.00
19	S/F of 40amp DP MCB (10K amp) isolator	1010	EACH	1 No.	424.00	424.00
TOTAL						23322.00

The Cost of re-wiring of 1 No. of quarter = Rs.23322.00

So the cost of wiring of 15 No. of quarters = Rs.23322.00 x 15 = Rs.349830.00  
Say Rs.350000.00



(Praveen Kumar Rai)  
Resident Engineer

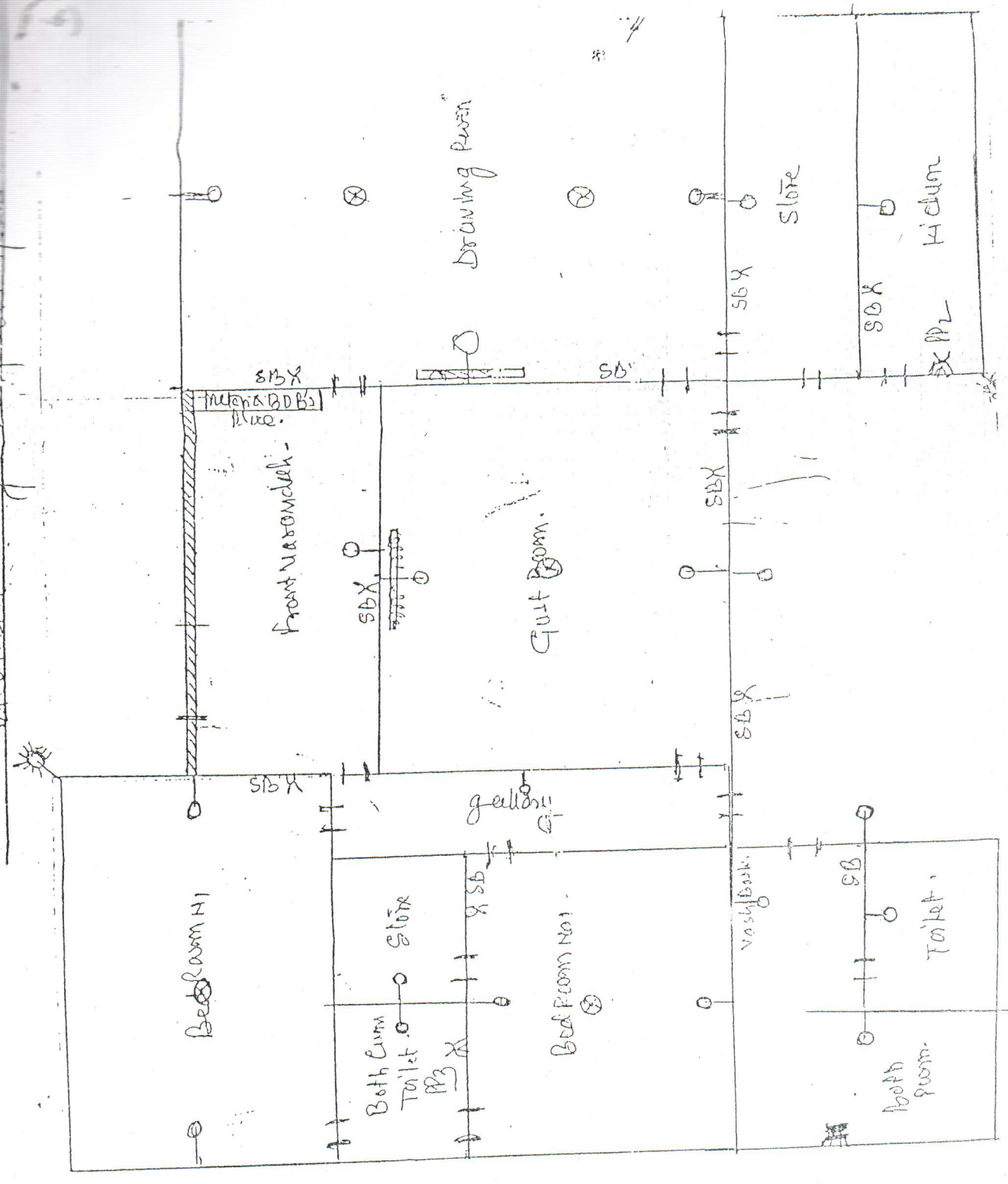
(M.C.Joshi)  
Project Manager



Electricity line and a pump/boiler

12

10/11/61



[illegible]



# ESTIMATE OF REWIRING OF 25 QUARTERS OF CATEGORY (III)

S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Wiring point for light with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type switch & ceiling/rose/angle/batton holder on 3mm thick phenolic laminated b	121(C)	EACH	12 No.	215.00	2580.00
2	Wiring point for 2-way light with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, 2-way 2 no. piano type switch & ceiling/rose/angle/batton holder on 3mm th.	122(C)	EACH	1 No.	277.00	277.00
3	Wiring point for fan/fresh air fan(light duty exhaust fan) with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type switch & ceiling/rose/angle/batto	123(C)	EACH	3 No.	286.00	858.00
4	Wiring point for plug with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type bell switch & socket etc. complete in all respects as directed.	124 (C)	EACH	6 No.	120.00	720.00

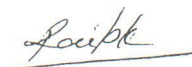
S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
5	Supply and wiring of sub-main with 2 no. 6 sq.mm FR PVC insulated 1100volt grade multistrand single core copper conductor in 25mm dia heavy duty (2mm thick) PVC coduit with 1 no. 4sqmm FR PVC insulated multistand copper conductor cable as earth continuity	212 (C)	MTR	15 M	83.00	1245.00
6	Supply & fixing of batton/angle batton/holder complete in all respects	405	EACH	11 No.	24.00	264.00
7	S/F of water tight bulk head fitting complete with holder ribbed glass rubber gasket GI guard etc. complete in all respects	407	EACH	2 No.	88.00	176.00
8	S/B of earth electrode for lighting conductor of 600mm x 600mm x 6mm GI plate vertically for earthing with its top at least 3M below ground level complete with 20mm GI pipe for watering funnel 30sq.cm CI frame with hinged cover masonry housing alternate	706	EACH	1 No.	2136.00	2136.00
9	S/L of 25mm x 3mm GI strip from earth electrode directly in ground or required complete in all respects	716	RM	15 RM	42.00	630.00
10	S/F of square GI earth connecting strip complete with holes for earth leads and clamping screw as directed complete in all respects	1113				
	( A ) Suitable for 2 nos. earth leads		EACH	2 No.	16.00	32.00
	( B ) Suitable for 3 nos. earth leads		EACH	3 No.	22.00	66.00
	( D ) Suitable for 6 nos. earth leads		EACH	1 No.	42.00	42.00

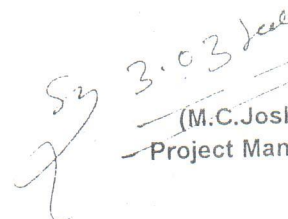


S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
11	S/F of crimping solders, copper, tin electrode lugs, electroplate lugs of Dowell/ISMAIL make suitable for 1.5sq.mm to 6sq.mm cable including taping with insulated tape complete in all respects	1129	EACH	3 No.	9.00	27.00
12	S/F of electronic type energy meter 5amp to 10amp	By UPCL rate list 2005	EACH	1 No.	1125.00	1125.00
13	S/F surface/flush mounting 12-way SPN distribution board without MCB complete in all respects and directed at site	1025	EACH	1 No.	577.00	577.00
14	S/F of 6/10/16/20/25/32amp MCB (10KA)	1002	EACH	8 No.	120.00	960.00
15	S/F of 40amp DP MCB (10K amp) isolator	1010	EACH	1 No.	424.00	424.00
TOTAL						12139.00

The Cost of re-wiring of 1 No. of quarter = Rs.12139.00

So the cost of wiring of 25 No. of quarters = Rs.12139.00 x 25 = Rs.303475.00  
Say Rs.304000.00

  
(Praveen Kumar Rai)  
Resident Engineer

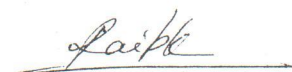
 3.03.2008  
(M.C. Joshi)  
Project Manager

S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
11	S/F of crimping solders, copper, tin electrode lugs, electroplate lugs of Dowell/ISMAIL make suitable for 1.5sq.mm to 6sq.mm cable including taping with insulated tape complete in all respects	1129	EACH	3 No.	9.00	27.00
12	S/F of electronic type energy meter 5amp to 10amp	By UPCL rate list 2005	EACH	1 No.	1125.00	1125.00
13	S/F surface/flush mounting 12-way SPN distribution board without MCB complete in all respects and directed at site	1025	EACH	1 No.	577.00	577.00
14	S/F of 6/10/16/20/25/32amp MCB (10KA)	1002	EACH	8 No.	120.00	960.00
15	S/F of 40amp DP MCB (10K amp) isolator	1010	EACH	1 No.	424.00	424.00

TOTAL 12139.00

The Cost of re-wiring of 1 No. of quarter = Rs.12139.00

So the cost of wiring of 25 No. of quarters = Rs.12139.00 x 25 = Rs.303475.00  
Say Rs.304000.00



(Praveen Kumar Rai)  
Resident Engineer

(M.C.Joshi)  
Project Manager



# Optical measurement of Electrical

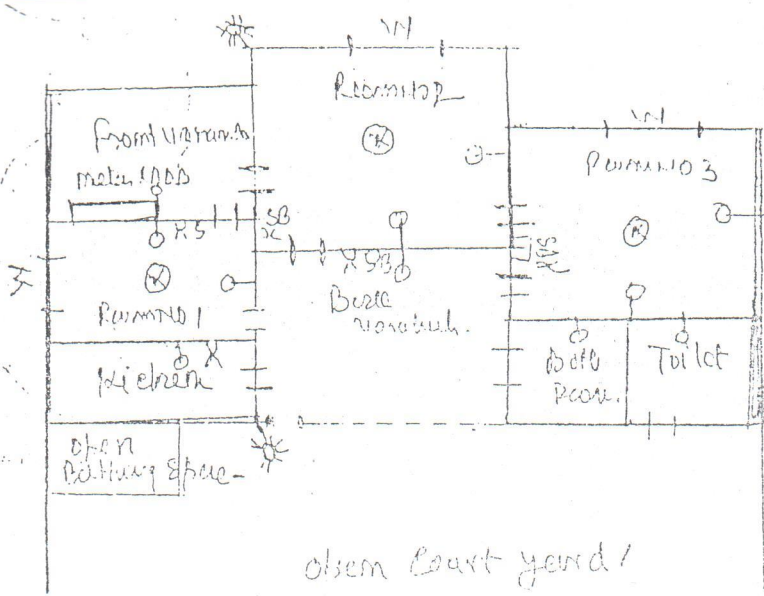
19

Detail	121A LP	127A TLP	125A f.p.	124A PPSA	212A Submain 612	363 BDD Wavy	405 Aughuda	407 BTH	Eastway	714 only 2nd	714 2nd	714 3rd	714 4th
in front of quarter	1 NO	1 NO	—	—	15-00th	1 NO	—	1 NO	1 NO	15-00th	—	—	—
in front of corridor	—	1 NO	—	1 NO	—	1 NO	1 NO	—	—	—	—	—	—
in Room NO 1	2 NO	—	1 NO	1 NO	—	—	2 NO	—	—	—	—	—	—
in Room NO 2	2 NO	—	1 NO	1 NO	—	—	2 NO	—	—	—	—	—	—
in Room NO 3	2 NO	—	1 NO	1 NO	—	—	2 NO	—	—	—	—	—	—
in back verandah	1 NO	—	—	1 NO	—	—	1 NO	—	—	—	—	—	—
in kitchen	1 NO	—	—	1 NO	—	—	1 NO	—	—	—	—	—	—
in bath room	1 NO	—	—	—	—	—	1 NO	—	—	—	—	—	—
in Toilet	1 NO	—	—	—	—	—	—	1 NO	—	—	—	—	—
in courtyard	1 NO	—	—	—	—	—	—	—	—	—	—	—	—
	12 NO	1 NO	3 NO	6 NO	15-00th	1 NO	11 NO	2 NO	1 NO	15-00th	2 NO	3 NO	1 NO

21

Electrical lay out cat III rd 3 Room Type Quarters

Q.N. IV / 867 3 Room Portals



Same as cat  
IV / 868.



# ESTIMATE OF REWIRING OF 40 QUARTERS OF CATEGORY (IV)

S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Wiring point for light with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type switch & ceiling/rose/angle/batton holder on 3mm thick phenolic laminated b	121(C)	EACH	11 No.	215.00	2365.00
2	Wiring point for 2-way light with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, 2-way 2 no. piano type switch & ceiling/rose/angle/batton holder on 3mm th	122(C)	EACH	1 No.	277.00	277.00
3	Wiring point for fan/fresh air fan(light duty exhaust fan) with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type switch & ceiling/rose/angle/batto	123(C)	EACH	2 No.	286.00	572.00
4	Wiring point for plug with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type bell switch & socket etc. complete in all respects as directed.	124 (C)	EACH	4 No.	120.00	480.00

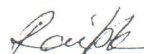
S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
5	Supply and wiring of sub-main with 2 no. 6 sq.mm FR PVC insulated 1100volt grade multistrand single core copper conductor in 25mm dia heavy duty (2mm thick) PVC coduit with 1 no. 4sqmm FR PVC insulated multistrand copper conductor cable as earth continuity	212 (C)	MTR	20 M	83.00	1660.00
6	Supply & fixing of batton/angle batton/holder complete in all respects	405	EACH	10 No.	24.00	240.00
7	S/F of water tight bulk head fitting complete with holder ribbed glass rubber gasket GI guard etc. complete in all respects	407	EACH	2 No.	88.00	176.00
8	S/B of earth electrode for lighting conductor of 600mm x 600mm x 6mm GI plate vertically for earthing with its top at least 3M below ground level complete with 20mm GI pipe for watering funnel 30sq.cm CI frame with hinged cover masonry housing alternate	706	EACH	1 No.	2136.00	2136.00
9	S/L of 25mm x 3mm GI strip from earth electrode directly in ground or required complete in all respects	716	RM	15 RM	42.00	630.00
10	S/F of square GI earth connecting strip complete with holes for earth leads and clamping screw as directed complete in all respects	1113				
	( B ) Suitable for 3 nos. earth leads		EACH	3 No.	22.00	66.00
	( D ) Suitable for 6 nos. earth leads		EACH	1 No.	42.00	42.00



S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
11	S/F of crimping solders, copper, tin electrode lugs, electroplate lugs of Dowell/SMAIL make suitable for 1.5sq.mm to 6sq.mm cable including taping with insulated tape complete in all respects	1129	EACH	3 No.	9.00	27.00
12	S/F of electronic type energy meter. 5amp to 10amp	By UPCL rate list 2005	EACH	1 No.	1125.00	1125.00
13	S/F surface/flush mounting 12-way SPN distribution board without MCB complete in all respects and directed at site	1025	EACH	1 No.	577.00	577.00
14	S/F of 6/10/16/20/25/32amp MCB (10KA)	1002	EACH	8 No.	120.00	960.00
15	S/F of 40amp DP MCB.(10K amp) isolator	1010	EACH	1 No.	424.00	424.00
TOTAL						11757.00

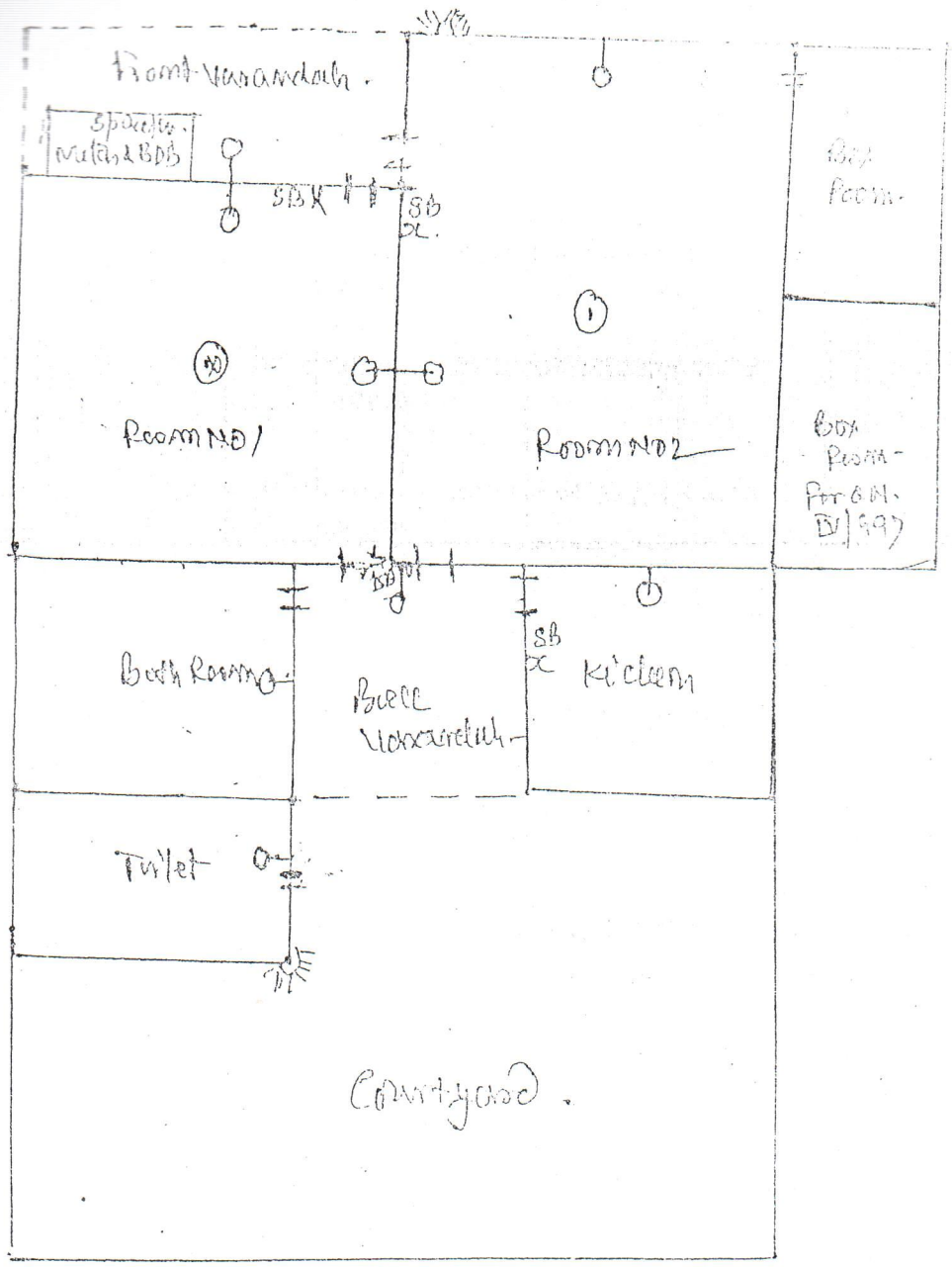
The Cost of re-wiring of 40 No. of quarter = Rs.11757.00

So the cost of wiring of 40 No. of quarters = Rs.11757.00 x 40 = Rs.470280.00  
Say Rs.470000.00

  
(Praveen Kumar Rai)  
Resident Engineer

(M.C.Joshi)  
Project Manager

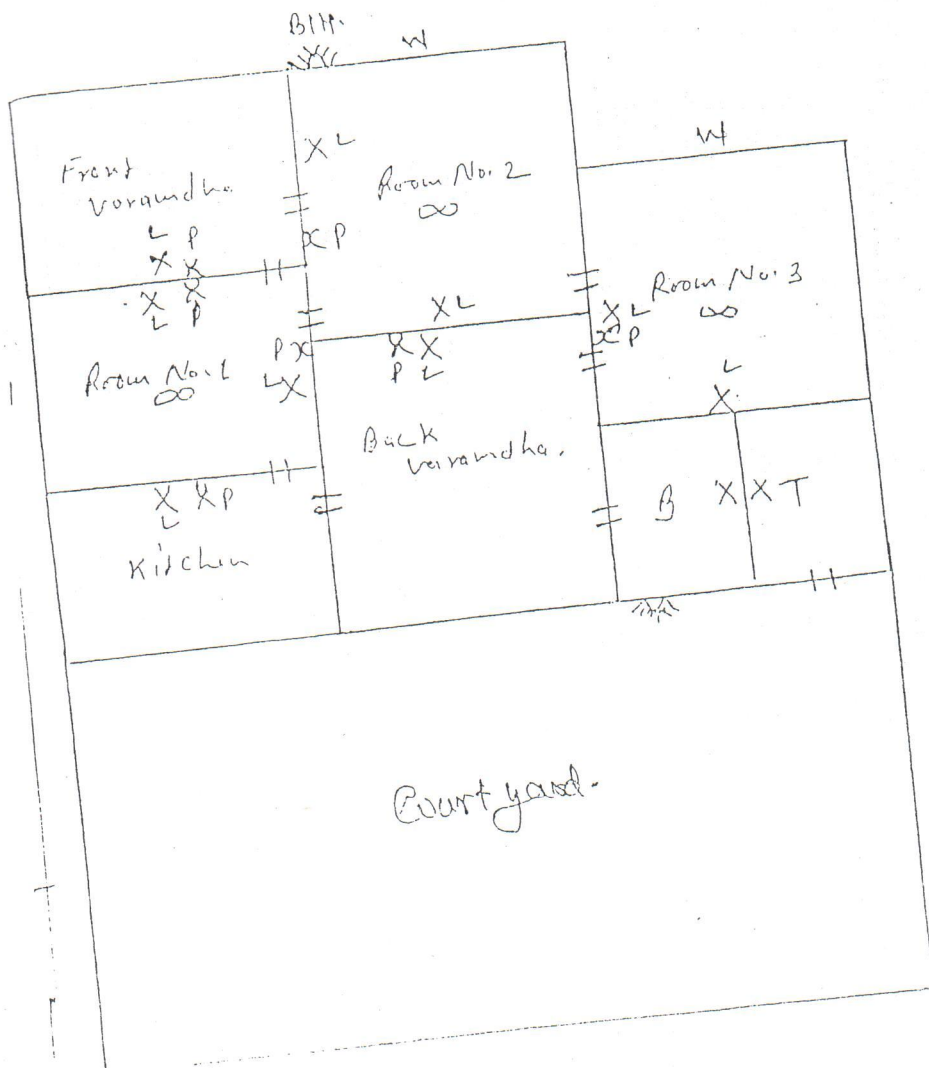
Electrical drawing of A.N. IV / 996.





Electrical Drawing of ANNEX 1020.

20



details of measurement

S.No	Detail	L.P.	D/H	D/H	T.L.P.	B.B.B 3 way	D/M	F.P.	P.P.O.A	Grand	
										B	L
1-	2m front of quater	1ND	1ND	—	—	—	—	—	—	—	—
2-	2m front verandah	—	—	1ND	1ND	1ND	1ND	—	—	—	10
3-	2m Room No 1	2ND	—	2ND	—	—	—	1ND	1ND	10	—
4-	2m Room No 2	2ND	—	2ND	—	—	—	1ND	1ND	10	—
5-	2m Back verandah	1ND	—	1ND	—	—	—	—	1ND	—	—
6-	2m kitchen	1ND	—	1ND	—	—	—	—	—	—	—
7-	2m store	1ND	—	1ND	—	—	—	—	—	—	—
8-	2m Bath room	1ND	—	1ND	—	—	—	—	—	—	—
9-	2m Toilet	1ND	—	1ND	—	—	—	—	—	—	—
10-	2m Court yard	1ND	1ND	—	—	—	—	—	—	—	—
		11ND	2ND	10ND	1ND	1ND	1ND	2ND	4ND	30	10



# ESTIMATE OF REWIRING OF 100 QUARTERS OF CATEGORY (V)

S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Wiring point for light with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor in heavy gauge rigid steel conduit pipe on surface with 8 SWG copper earth continuity wire, piano type switch etc. complete in all respects	121	EACH	1 No.	217.00	217.00
2	Wiring point for light with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type switch & ceiling/rose/angle/batton holder on 3mm thick phenolic laminated b	121(C)	EACH	4 No.	215.00	860.00
3	Wiring point for fan/fresh air fan(light duty exhaust fan) with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type switch & ceiling/rose/angle/batto	123(C)	EACH	1 No.	286.00	286.00
4	Wiring point for plug with 1.5 sq.mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe on surface with 14 SWG copper earth continuity wire, piano type bell switch & socket etc. complete in all respects as directed.	124 (C)	EACH	2 No.	120.00	240.00
5	Supply and wiring of sub-main with 2 no. 6 sq.mm FR PVC insulated 1100volt grade multistrand single core copper conductor in 25mm dia heavy duty (2mm thick) PVC coduit with 1 no. 4sqmm FR PVC insulated multistand copper conductor cable as earth continuity	212 (C)	MTR	30 M	83.00	2490.00
6	Supply & fixing of batton/angle batton/holder complete in all respects	405	EACH	5 No.	24.00	120.00



S.No.	Description of Items	PWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
7	S/B of earth electrode for lighting conductor of 600mm x 600mm x 6mm GI plate vertically for earthing with its top at least 3M below ground level complete with 20mm GI pipe for watering funnel 30sq.cm CI frame with hinged cover masonry housing alternate	706	EACH	1 No.	2136.00	2136.00
8	S/L of 25mm x 3mm GI strip from earth electrode directly in ground or required complete in all respects	716	RM	10 RM	42.00	420.00
9	S/F of electronic type energy meter 5amp to 10amp	By UPCL rate list	EACH	1 No.	1125.00	1125.00
10	S/F surface/flush mounting 4-way SPN distribution board without MCB complete in all respects and directed at site	1022	EACH	1 No.	387.00	387.00
11	S/F of 40amp DP MCB (10K amp) isolator	1010	EACH	1 No.	424.00	424.00
TOTAL						8488.00

The Cost of re-wiring of 100 No. of quarter = Rs.8488.00

So the cost of wiring of 100 No. of quarters = Rs.8488.00 x 100 = Rs.848800.00

**Remarks:** One earthing shall be provided for one block of 4 quarters so amount of 75 nos. of earthing will be reduced = 75 x 2136 = Rs. 160200.00

So, the cost of wiring of 100 nos. of quarters = Rs.848800.00 - Rs.160200.00 = Rs.688600.00

Say Rs.690000.00

*Praveen*  
(Praveen Kumar Rai)  
Resident Engineer

(M.C.Joshi)  
Project Manager



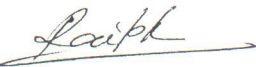
	Description of Items	FWD Schedule No.	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
7	SS of earth electrode for lighting conductor of 500mm x 600mm x 6mm GI plate vertically for earthing with its top at least 3M below ground level complete with 20mm GI pipe for watering funnel 30sq.cm CI frame with hinged cover masonry housing alternate	706	EACH	1 No.	2136.00	2136.00
8	S/L of 25mm x 3mm GI strip from earth electrode directly in ground or required complete in all respects	716	RM	10 RM	42.00	420.00
9	S/F of electronic type energy meter 5amp to 10amp	By UPCL rate list	EACH	1 No.	1125.00	1125.00
10	S/F surface/flush mounting 4-way SPN distribution board without MCB complete in all respects and directed at site	1022	EACH	1 No.	387.00	387.00
11	S/F of 40amp DP MCB (10K amp) isolator	1010	EACH	1 No.	424.00	424.00
<b>TOTAL</b>						<b>8488.00</b>

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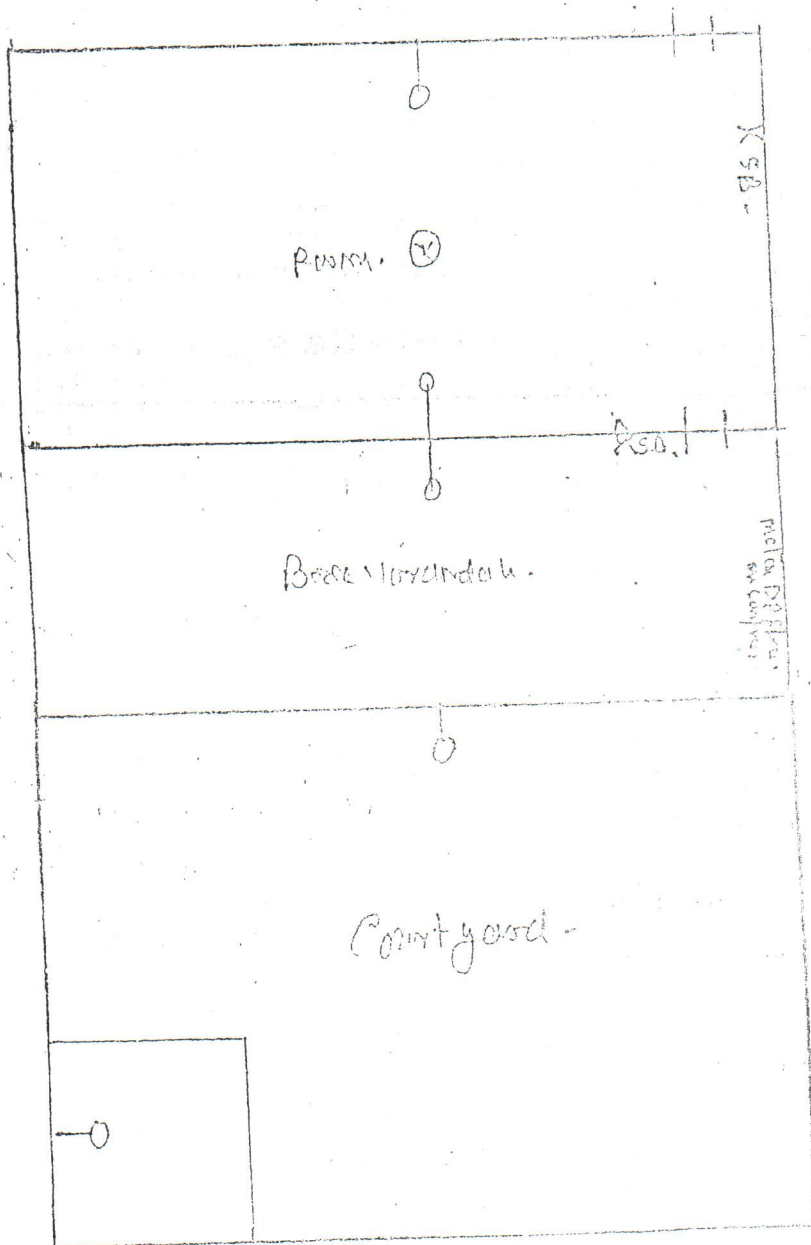
So, the cost of wiring of 100 nos. of quarters = Rs.848800.00 - Rs.160200.00 = Rs.688600.00  
Say Rs.690000.00

  
(Praveen Kumar Rai)  
Resident Engineer

(M.C.Joshi)  
Project Manager

Electric Layout of Party quarters -  
for G.N. 797.

(5)





# Detail measurement of current block

35

Details	121A L.P	131 L.P	1105 L.P	123A F.D	124A P.D	3.4 D.P 11A	Exting		
2m ROOM	2	—	2	1	1	—	—		
2m Brice	1	—	1	—	1	1110	—		
1m corded	1	—	1	—	—	—	—		
2m corded	1	—	1	—	—	—	—		
2m Inlet	—	1110	1	—	—	—	—		
	4110	1110	4110	1110	2110	1110	—		
5 Brumstator	2410	6110	3010	6110	12110	6110	1110		
5 1m 1000	16810	112110	16810	4210	8410	4210	7110		
5 1m 1000			91010						

# LIST OF HOUSES WHERE REWIRING WORK IS TO BE TAKEN UP

Category	House Nos.	Total Nos. of Houses.
Cat. I	V/1353 to 1361	9 Nos.
Cat. II	I/226, II/412, 546 to 551, 554 V/1312, 1319-1320, 1322, 1374 G, 1374 B	15 Nos.
Cat. III	IV/1013, 1014, 1020, 1021, 1022, 10232 IV/1170 to 1173 IV/1025, 1090, 1091, 1024 IV/875, 876, 960, 948, 685A III/658, 659 IV/1081, 955, 939 1074	25 Nos.
Cat. IV	1006, 1119, 923A, 923B 999, 1005, 1008, 1014, 850/11 927, 919 to 922 1128A, 1128 B 928 to 931 923 to 925 933 to 937 939A to 939L	40 Nos.
Cat. V	1027 to 1073 1174 to 1178 1179 to 1183 1203 to 1226 1229 to 1234 827 to 833 845 to 850	100 Nos.

*Signature*

G. A. Khan

Dy. D. K. P. R. S.

*Signature*

28/12/16

*Signature*

Project Manager  
E/M Unit, Constt. Wing  
Uttaranchal Payjal Nigam  
Dehradun

*Signature*

A.R.E.  
E/M Unit Dehradun

Uttaranchal Payjal Nigam  
Dehradun

श्री. व.  
गलतमर 7-16



Office of the Vice-Chancellor

No.VC/PA/२९८

Dated 10<sup>th</sup> April 2006

**All Deans/ Directors/Registrar**

I am enclosing a copy of the Memorandum of Understanding signed between this University and Iowa State University of Science and Technology, Ames, Iowa, USA, for your information and record.

  
(P.L.Gautam)  
Vice-Chancellor

Encl: copy of MOU

✓ Copy to Comptroller along with the Original MOU for record

निबंधक कार्यालय  
पत्र सं०: ५९  
दिनांक: १२/५/०६

Burda

Comp  
12/4

# INTERNATIONAL MEMORANDUM OF UNDERSTANDING

between

**G.B. Pant University of Agriculture and Technology, Pantnagar, Uttaranchal Pradesh,  
India**

and

**Iowa State University of Science and Technology, Ames, Iowa, USA**

## **I. Preamble**

This International Memorandum of Understanding (MOU) constitutes an agreement between G.B. Pant University of Agriculture and Technology, Pantnagar, Uttaranchal Pradesh, India, and the Iowa State University of Science and Technology, USA, to join in a strategic alliance to undertake a series of cooperative activities of common interest and mutual benefit.

In accordance with the objective to promote further cooperation between India and the United States of America, G.B. Pant University of Agriculture and Technology, Pantnagar, Uttaranchal Pradesh, India, and the Iowa State University hereby jointly enter into a bilateral linkage, focusing on the development of their institutions' programs, particularly those in research, teaching and extension. They will jointly develop and implement activities to improve their capacities to serve their respective clientele in India and the United States of America. This linkage is developed based upon the institutions' commonality of interests and their belief that a linkage between them would strengthen their joint and individual capacities.

## **II. Objectives**

The objectives of this linkage are to develop long-term activities. Where financially feasible and consistent with the policies of G.B. Pant University of Agriculture and Technology, India and the Board of Regents of the State of Iowa, and all other governing legislation, the parties agree to pursue mutual interest in the following types of activities:

Long-term and short-term exchanges of faculty and staff: Sabbaticals, faculty improvement leaves, visiting professorships, research collaboration, and other activities in areas of mutual interest and expertise are contemplated.

Programs relating to research, teaching, and /or outreach: These programs may encompass any discipline to the extent that suitable counterparts exist.

Encouragement of applications from students to study at the partner institution at the undergraduate and/or graduate level: Students who meet regular admissions requirements of the host institution may be admitted to academic programs. The



term(s) of attendance, costs, and course of study will be determined individually for each student in accordance with standard admissions procedures for international students.

### **III. Program Management**

Each activity will be jointly planned, implemented, and evaluated, and will be described in a plan of work which will include programmatic and budget details. Activities undertaken will permit publication, dissemination, and sharing by the two institutions of all the facts resulting from the activities. Exchange and dissemination of information will include both the exchange of working papers on joint research and the identification of materials for publication. No prohibition of publication will be imposed by either institution.

This MOU does not obligate either institution to provide funding or direct support for future collaborative activities. However, either institution, or both, may choose to provide support on a case-by-case basis. It is further understood that both institutions will jointly and separately seek funding from third parties to support activities to be carried out under this MOU. Implementation of specific collaborative programs will depend upon the availability of funds. The G.B. Pant University of Agriculture and Technology, Pantnagar, Uttaranchal Pradesh, India and the Iowa State University, Ames, Iowa, USA will assist one another with applications to funding sources for financial support of this cooperation and exchange.

Each institution has designated an individual to serve as a point of contact. These officials are identified below:

**For G.B. Pant University of  
Agriculture and Technology,  
Pantnagar, Uttaranchal Pradesh,  
India**

Dr. K. K. Singh, Professor, College  
of Technology, G.B. Pant Univ. Ag.  
& Technology, Pantnagar,  
Uttaranchal Pradesh, India  
E-mail: singhkeke@yahoo.com

**For Iowa State University  
Ames, Iowa 50011, USA**

Dr. Ramesh Kanwar, Professor and Chair,  
Department of Agricultural and Biosystems  
Engineering, Iowa State University  
Ames, IA 50011, USA  
E-mail: rskanwar@iastate.edu

The representatives mentioned above will be responsible for monitoring program activities in the framework of this MOU, promoting achievement of the objectives of the agreement and reporting to their respective institutions the advances made.

This Memorandum will be in effect for five years, commencing on the date of the last signature affixed to this document. At the end of this period, each institution will review the types and extent of collaborative activities undertaken and determine whether or not the MOU should be renewed. The Memorandum can be amended, with the approval of both parties, by means of



exchange of letters through the authorized officials at each institution. Either party may initiate the exchange of letters.

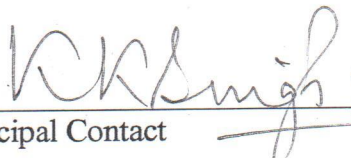
The Memorandum may be terminated by either party by giving written notice of the intent to terminate the MOU. Such termination shall not affect the execution and conclusion of specific activities in effect under terms of this MOU, nor publication and dissemination of results of research in progress. Insofar as possible, such notice will be given three months in advance of the desired termination date.

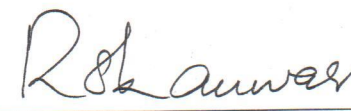
This Memorandum constitutes the entire agreement between parties. All prior discussions, agreements, and understandings, whether verbal or in writing, are merged in this MOU. For conditions of the affiliation not covered by this MOU or for problems that arise while the MOU is in effect, both parties agree to refrain from unilateral action and to consult and negotiate agreeable decisions. This Memorandum is designed to facilitate and develop a genuine and mutually beneficial process of cooperation and exchange and is not a contract creating legal or financial relationships between the parties. The parties do not discriminate on the basis of age, marital status, race, gender, ethnicity, religion, or disability.


**IN WITNESS THEREOF:** The G.B. Pant University of Agriculture and Technology, Pantnagar, Uttaranchal Pradesh, India and Iowa State University, Ames, Iowa, USA have executed this International Memorandum of Understanding as of the last date affixed below.

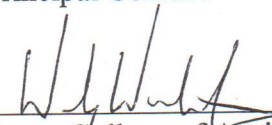
**G.B. Pant University of Agriculture  
and Technology, Pantnagar  
Uttaranchal Pradesh, India**

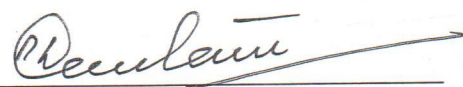
**Iowa State University  
Ames, Iowa 50011, USA**

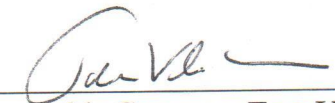
  
Principal Contact

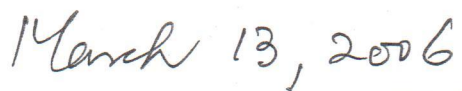
  
Principal Contact

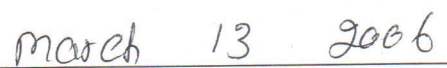
  
Dean, College of Technology

  
Dean, College of Agriculture

  
Vice Chancellor P.L. Gautam, GBUA&T

  
Honorable Governor Tom Vilsack for  
Iowa State University President Gregory L.  
Geoffroy

  
Date

  
Date



1924



उत्तरांचल UTTARANCHAL

649587

This Agreement made at Pantnagar, Uttaranchal on this the 17th day of April, Two Thousand and Six.

BETWEEN

G.B. Pant University of Agriculture & Technology (hereinafter referred to as "GBPUA&T", which expression unless it be repugnant to the context or meaning thereof shall mean and include its successors and assigns) having its office at Pantnagar, Udham Singh Nagar, Uttaranchal - 263145, forming the FIRST PART and hereinafter referred to as the "Client"

AND

Ernst & Young Pvt. Ltd., (hereinafter referred to as "E&Y", which expression unless it be repugnant to the context or meaning thereof shall mean and include its successors and assigns) having its Registered Office at Block C, III Floor, 22 Camac Street, Kolkata - 700 017

Forming SECOND PART and hereinafter referred to as the "Consultant"

WHEREAS

Noting the fact that the State Vaccine Institute (SVI) at Patwadangar, which was established in 1903 and is spread across 103 acres, discontinued production of vaccines owing to technology obsolescence in 2003; the Government of Uttaranchal has desired that the SVI be developed as a biotech hub, in line with its broader vision to position Patwadangar as a satellite knowledge township.

For this purpose:

- A. The Government has taken a decision to transfer the SVI to the Biotechnology Department of GBPUA&T for this initiative. Pursuant to the survey of the site, GBPUA&T has proposed to modernize the vaccine manufacturing facility to

*[Handwritten signature]*



focus on pilot scale production to meet local demand, to set up a Biotechnology Institute to focus on vaccine research and to tie up with a leading private vaccine manufacturer to establish a full-scale vaccine production facility on the SVI campus.

- B. The Consultant has submitted an Expression of Interest (EOI) in response to a public tender and has been awarded the mandate to develop the concept of Patwadangar as a knowledge township with the biotechnology hub as the nucleus, based on its technical credentials.
- C. The Consultant has agreed to carry out the Services as defined in the Scope of Work (enclosed as Annexure-1) on mutually agreed terms & conditions listed hereinafter.

**NOW THEREFORE, THIS AGREEMENT WITNESSETH AS FOLLOWS:**

**Definitions, Language, Address of the Parties and Notified Person:**

**Definitions**

Unless the context otherwise requires, the terms as listed below, wherever used in this Contract, will have the following meaning:-

- "Client" means G.B. Pant University of Agriculture & Technology
- "Consultant refers to Ernst & Young Pvt. Ltd.
- "Contract" means this Contract between G.B. Pant University of Agriculture & Technology and the Consultant
- "Contract price" means the price to be paid for the performance of the Services.
- "Contract period" means the period during which the Contract is valid and has not expired.
- "Party" means G.B. Pant University of Agriculture & Technology or the Consultant, as the case may be, and Parties means both of them.
- "Project" means the project for which G.B. Pant University of Agriculture & Technology has engaged the professional services of the Consultant and of which the Services form a part.
- "Services" means the work to be performed by the Consultant pursuant to the Contract for the purpose of the works (as described in Annexure-1)
- "Third Party" means any person or entity other than the GBPUA&T, State Government, the Central Government and Consultant.

**1. Laws Governing Contract**

This Contract, its meaning and interpretation, and the relation between the Parties, shall be governed by Indian law.

**2. Language**



This Contract has been executed in English language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of the Contract.

**3. Address**

The addresses are:

**For Client**

**Mr. S.C. Pandey**

Comptroller

G.B. Pant University Of Agriculture & Technology

Pantnagar,

Udhamsingh Nagar,

Uttaranchal - 263145,

Phone: 05944-233327

Fax: 05944-233473

**For Consultant**

**Mr. Vishal Goel**

AVP, Transaction Advisory Services

*Ernst & Young Pvt. Ltd.*

205, Ashoka Bhoopal Chambers,

Sardar Patel Road

Secunderabad - 500 003

Andhra Pradesh

Phone: 040 - 27898850

Fax: 040 - 27898851

**4. Notices**

Any notices, request to be made or consent required to permission to be given pursuant to the Contract shall be in writing and shall be deemed to have been served or made when delivered in person to an Authorized Representative of the Party to whom the communication is addressed and acknowledgement obtained, or when sent by registered mail, Under Certificate of Posting, Courier, telex, telegram or facsimile to such Party at the addresses specified above. In case of any change in the Authorized Representative or address of either of the Parties, each Party shall notify the same to the other at least one week in advance of such change.

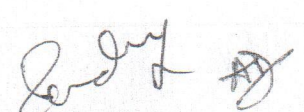
**5. Project Location & Area**

The project area is State Vaccine Institute located at Patwadangar, District Nainital (Uttaranchal) and spread over an area of 103 acres.

**6. Commencement, Completion of the Contract**

**A. Effectiveness of Contract:**

The Contract comes into force & effect from the date of signing of this agreement.





### **B. Completion Schedule, Time of Completion**

The entire project comprising all the components of Services shall be completed in a period of 90 days\*

\*Excluding the Success Fee based milestones.

### **7. Modifications:**

Modification of the terms & conditions of Contract, if any, can only be made by written agreement between the Parties. Terms & Conditions for any increase in Scope of Work (as defined in Annexure 1) over and above those described therein would be negotiated separately and payment and period for the same shall be extra over and above those specified in the Contract.

Either Party can initiate a change in scope of work in the form of a change request document. If the change is requested by the Consultant, the document will detail the implications of the change on the timelines and fees. However, if the change is requested by the Client, the Consultant would thereafter submit an assessment of the change including a report on its feasibility and implications on time and fees. The Client must indicate its acceptance or rejection of the assessment of the Consultant's change request, or own change request, within a period of thirty days. Upon receipt of written approval from the Client, the change in scope of work and time and fees shall be incorporated into this Agreement.

### **8. Termination**

This Agreement shall stand automatically terminated on the completion of the services. The Agreement may be terminated by either party by issuing not less than 30 days written notices to the other Party, with sufficient reasons thereof.

In the event of pre-mature termination of the Contract, the Consultant shall handover all project documents to the Client within 30 days of notice of such termination and the Client shall pay the Consultant for the services (including parts thereof) rendered until the effective date of termination. If for any reason the project gets terminated by the Consultants, they will refund the proportional advanced amount.

### **9. Obligations of the Parties**

#### **A. Performance Standard:**

The Consultant shall perform the services and carry out their obligation hereunder with due diligence, efficiency and economy, in accordance with generally accepted professional techniques and practices used in the management consulting services and with professional engineering and consulting standards recognized by international professional bodies, and shall observe sound management and technical and engineering practices. The Consultant shall always act, in respect of any matter relating to this Contract or to the services, as faithful advisers to Client and shall at all times support and safeguard Client's interests in any dealings with Third Parties. This clause shall be read together with Cause 9 B.



## **B. Acceptance**

The Client shall confirm its acceptance of the deliverable at the end of each milestone achieved by the Consultant, within a period of 14 (fourteen) working days of submission of the deliverable by the Consultant and in accordance with mutually agreed criteria of acceptance. The deliverable shall be deemed to be accepted, in case the Consultant receives no feedback within the stipulated period. In case the Client suggests any modifications to the deliverable submitted by the Consultant, the amended deliverable shall also be deemed accepted in case the Client does not revert with any feedback within the said period of 14 (fourteen) working days.

## **10. Conflict of Interests**

### **Consultant not to Benefit from Commissions, Discounts, etc.:**

The remuneration of the Consultant as payable by Client under this Contract shall constitute sole remuneration in connection with the Contract or the Services, and the Consultant shall not accept for their own benefit any trade commission, discount or similar payment in connection with activities pursuant to this Contract or to the services or in the discharge of their obligations under the Contract, and the Consultant shall use their best efforts to ensure that their personnel shall not receive any such additional remuneration or gift.

## **11. Confidentiality**

Either party ("receiving party"), which receives Confidential Information from the other party ("disclosing party"), and the personnel of such receiving party shall not, either during the term or within two (2) years after the expiration of this Contract, disclose any proprietary or Confidential Information relating to the Services, this Contract or Client's business or operations without the prior written consent of Client. 'Confidential Information' means all information in which a party has rights that is not generally known to the public and which is marked and notified as confidential at the time of disclosure to the receiving party. Notwithstanding the foregoing, Confidential Information does not include information that: (i) is, as of the time of its disclosure, or thereafter becomes, part of the public domain through a source other than the receiving party; (ii) was known to the receiving party as of the time of its disclosure; (iii) is independently developed by the receiving party without reference to the Confidential Information; or (iv) is subsequently learned from a third party not known by the receiving party to be subject to an obligation of confidentiality with respect to the information disclosed. Further, nothing in this Agreement shall limit the ability of a party in possession of the Confidential Information of the other to disclose such Confidential Information, and such party shall have no liability for such disclosure, if such disclosure is: (i) required to be disclosed pursuant to law, regulation, professional regulatory authority, government authority, duly authorized subpoena or court order whereupon the disclosing party will provide notice to the other party prior to such disclosure; (ii) required



to be disclosed to a court or other tribunal in connection with the enforcement of such party's rights under this Agreement; or (iii) is approved for disclosure by the prior written consent of the other party.

## **12. Indemnification**

The Consultant shall keep the Client both during and after the term of the Contract fully indemnified against all losses, damages, injuries, death, expenses, action, proceedings, demands, cost and claim including but not limited to legal fees and expenses suffered by Client, where such losses, damages, injury or death is the direct result of the wrongful action, negligence, or breach of Contract by the Consultant, or the personnel or agents of either of them, including the use or violation of any copyright work or literary property or patented invention, article or appliance

Client agrees to indemnify and hold harmless the Consultant against violation of third party intellectual property rights or any losses or liabilities that may be incurred by the Consultant by virtue of usage of any material or information provided to the Consultant by the Client or its personnel. Further, in no event shall the Consultant be responsible, by taking on this assignment, for any illegal act or omission or violation or non-fulfillment of any legal or regulatory requirement by the Client or its agents or personnel and the Client agrees to indemnify against any such eventuality.

Further, in no event shall either party be liable, whether under contract, tort or otherwise, for any indirect, incidental or consequential damages arising due to the actions of such other party or its personnel.

## **13. Limitation of Liability**

i) The total liability of the consultant shall be limited to the lower of the figures produced by the operation of the following two sections.

### **A. Cap**

Subject to the provisions of the following section the Consultant's liability in respect of breach of contract or breach of duty or fault or negligence or otherwise whatsoever arising out of or in connection with this engagement shall be limited in total to, the total amount of the fees charged by the consultant to you under this engagement to cover claims of any sort whatsoever (including interest and costs) arising out of or in connection with this engagement. This limitation shall have no application to any liability for death or personal injury or any other liability for which exclusion or restriction is prohibited by law or to liability arising as a result of fraud on its part.

### **B. Proportionality**

The Consultant's liability to the client in respect of breach of contract or breach of duty or fault or negligence or otherwise whatsoever arising out



of or in connection with this engagement shall be limited to that proportion of the loss or damage (including interest and costs) suffered by the client, which is ascribed to the consultant by a Court of competent jurisdiction allocating proportionate responsibility to the Consultant having regard to the contribution to the loss and damage in question of any other person. This limitation shall have no application to any liability for death or personal injury, any other liability for which exclusion or restriction is prohibited by law or to liability arising as a result of fraud on its part.

**ii) The time limit for bringing any claims**

Any claim for breach of contract, breach of duty or fault or negligence or otherwise whatsoever arising out of or in connection with this engagement shall be brought against the Consultant within three years of the act or omission alleged to have caused the loss in question, unless otherwise justified for the delay and acceptable to the competent court of law.

**14. Reporting Obligations**

The Consultant shall submit progress reports for approval of the Client in accordance with the agreed timelines and schedule as detailed in the scope of work (Annexure 1). It would be the obligation of the Consultant to submit regular progress reports to the Client till completion/expiration/termination of the Contract.

**15. Documents prepared by the Consultant to be the Property of the Client**

All plans, drawings, specification, designs, reports and other documents submitted by the Consultant shall become and remain the property of the Client, and the Consultant shall, not later than thirty(30) days after the termination or expiration of this Contract, deliver all such documents to the Client, together with a detailed inventory thereof. However, the Consultant may retain a copy of such documents but shall not use them for purposes unrelated to this Contract or considered harmful for the Client, without prior written approval of the Client except for internal audit.

In connection with performing the Services, the Consultant may use certain data, modules, components, designs, utilities, subsets, objects, program listings, tools, models, methodologies, programs, systems, analysis frameworks, leading practices and specifications ('Technical Elements'). Certain Technical Elements are owned or developed by the Consultant prior to, or independently from, its engagement hereunder and are the sole and exclusive property of the Consultant and the Consultant retains all rights thereto, as well as to all modifications, enhancements and derivative works of such Technical Elements created, developed or prepared by the Consultant during the performance of the Services. Certain other Technical Elements consist of third party works and products that the Consultant has acquired the rights to use. In



addition the Consultant retains the right to use its knowledge, experience and know-how, including processes, ideas, concepts, and techniques developed in the course of performing the Services, in providing services to other clients. The Client shall have no rights in the Technical Elements.

The Client understands and agrees that the Consultant is in the business of providing consultancy services and nothing herein shall prevent the Consultant from providing similar services or deliverables to its other clients subject to maintaining strict confidentiality of the Client's confidential information.

The deliverables and the Services (including any related recommendations and advice) being provided under this Agreement are intended solely for the information and use of the Client and may not be disclosed to any other person without the prior written consent of the Consultant. If the deliverables or Services (including any portion, abstract or summary thereof, whether oral or in writing) are disclosed to an unauthorized third party, the Client agrees to indemnify and hold harmless the Consultant, its partners, employees, agents and advisors from and against all claims, causes of action, liabilities, losses, damages, costs, and expenses (including, without limitation, reasonable attorneys' fees) resulting from such disclosure. But in no case, the total compensation will exceed the amount of charges payable by the client under this agreement.

#### 16. Clearances

The Client shall take effective steps for speedy clearances, wherever necessary, based on a strict time bound programme, from the concerned departments of the State and the Central Governments, duly assisted by the Consultant to the extent reasonable.

#### 17. Payments to the Consultant

##### A. Contract Fees & Payment Schedule:

In consideration of the Services performed by the Consultant under this Contract, the Client shall pay INR 59 Lacs (Including Fixed Fee of INR 30 Lacs and Success Fee of INR 29 Lacs) as per the payment schedule indicated below.

S No.	Milestone	Deliverable	(INR Lacs)	
			Payment Schedule	OPE
0	<b>Advance*</b>	On signing of agreement	5	0
1	<b>Milestone 1</b>	<ul style="list-style-type: none"><li>• Case Studies of comparable Global/ Indian facilities</li><li>• Facilitate Site Visits</li></ul>	6	5
2	<b>Milestone 2</b>	<ul style="list-style-type: none"><li>• Integrated Concept &amp; Development Plan (including brief vaccine mkt. study &amp; Location</li></ul>	16	1

*[Handwritten signature]*



		Analysis)		
3	<b>Milestone 3</b>	• Project Cost & Financial Modelling for Vaccine Campus Infrastructure	8	1
4	<b>Milestone 4</b>	• Evaluate Technology Options • Technology Tie Up for pilot scale	14 (Success Fee)	1
5	<b>Milestone 5</b>	• Marketing the Vaccine Cluster to Industry Anchor Tenant	15 (Success Fee)	
	<b>Total Net Fee</b>		<b>59 (including 30 lacs Fixed Fee)</b>	<b>8</b>

The consultancy fee mentioned above does not include any service tax or any other applicable tax (except income tax as may be applicable). The service tax and any other new tax would be charged as applicable at the time of disbursement.

The Client understands and agrees that it shall make all possible and reasonable efforts for timely payment for each milestone on submission of invoice by the Consultant.

The Success Fee shall become due immediately on signing of the tie-up MoU with the respective partners, as applicable.

The above mentioned fee does not include Fee/ Royalties to be paid to the Technology Sourcing Partner (Milestone 4)

Advance amount will be proportionately adjusted over the first three Milestone payments

The cost indicated above includes the agreed upon Out-of-Pocket Expenses (OPE) detailed in Clause 17 B below.

#### **B. Out of Pocket Expenses\***

The Out-of-Pocket Expenses (OPE) related to deliverables as indicated in clause 17A include all related travel (air/train/road), lodging, food, communication and other miscellaneous costs incurred by the engagement team of the Consultant and comprises the following key cost heads:

Sr	Detail	E&Y (INR Lacs)
1	International Facility Tour (2 visits of 3 days for 2 persons)	4
2	Domestic Facility Visit (2 visits for 2 days for 2 persons)	1
3	Client Visit (Maximum 15 visits of 2	3



	day each for 1 person)	
<b>Total</b>		<b>8</b>

The Client would separately reimburse, as per actuals, the Consultant the OPEs for any unscheduled visits beyond mutually agreed upon number as indicated in the tables above.

The total cost (inclusive of travel/lodging/food/communication etc) of the delegates from the Client's side for International/Domestic facility site visits, shall be borne by the Client itself and is not included in the above OPEs.

#### **C. Payment Recipient:**

The Client shall make payment(s) in favour of Ernst & Young Pvt. Ltd. (E&Y) for each milestone in accordance with table indicated in Clause 17A.

#### **E. Tax Deduction at Source:**

Tax Deduction at Source (TDS) shall be recovered from the above consultancy fee at the prescribed rate as applicable at the time of payments and a certificate of deduction would be furnished to Consultant within the time prescribed as per Law.

#### **18. Force Majeure**

**Definition:** For the purposes of this Contract, Force Majeure means an event which is beyond the reasonable control of a Party, and which makes a Party's performance of its obligations hereunder impossible or so impracticable as is reasonable to be considered impossible in the circumstances, and includes, but is not limited to war, riots, civil disorder, earthquake, fire, explosion, storm, flood or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking force majeure to prevent), confiscation or any other action by Government agencies.

#### **Force Majeure shall not include**

- a) Any event which is caused by the negligence or intentional action of a Party or such Party's agents or employees, nor
- b) Any event which a diligent Party could reasonably have been expected to both
  - Take into account by the time of the conclusion of this Contract, and
  - Avoid or overcome in the carrying out of its obligations hereunder
- c) Force Majeure shall not include insufficiency of funds or failure to make any payment required hereunder.



Any delay in performance of this Agreement by either party, which is caused by an event of Force Majeure as defined above, shall be excused and the timelines for the project shall be extended accordingly without any liability to either party whatsoever.

**19. Settlement of Disputes**

**A. Amicable Settlement:**

The Parties shall use their best efforts to settle amicably all the disputes arising out of or in connection with this Contract or the interpretation thereof.

**B. Arbitration:**

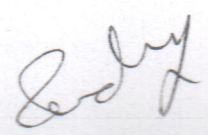
In case the dispute is not so resolved within 45 days, the same shall be referred to Vice-Chancellor G.B. Pant University of Ag & Tech who will be sole arbitrator and his decision will be final.

**20. Other Conditions will include:**

- a) Both Parties will appoint their respective Project Coordinators.
- b) The scope of the assignment for the Consultant shall include the terms of reference as given by Client and enclosed as Annexure-1
- c) The Consultant shall submit the deliverables to the Client for review discussion and approval.
- d) Non-Solicitation: The Client will neither offer to employ nor employ, directly or otherwise, any employee of the Consultant associated for the purpose of, or with the assignment, during the period of this Agreement and two years from the completion of the assignment under this Agreement.
- e) Use of Consultant's name - Except as may be expressly permitted by this Agreement, the Parties shall not use or publicise each other's name, trademark, service mark or logo in connection with the Services, without the prior written consent of the other Party.
- f) Severability - If any part or any provision of this Agreement is or becomes illegal, invalid or unenforceable, that part or provision shall be ineffective to the extent of such invalidity or unenforceability only, without in any way affecting the validity or enforceability of the remaining parts of said provision or the remaining provisions of this Agreement.
- g) Waiver - No waiver by either Party to any provisions of this Agreement shall be binding unless agreed in writing. The failure by either Party to enforce at any time for any period any one or more of the terms or conditions of this Agreement shall not be a waiver of them or of the right at any time subsequently to enforce all terms and conditions to this Agreement.
- h) Agency - This Agreement is not intended to create a relationship such as a partnership, joint venture, agency, or employment relationship. Neither party may act in a manner, which expresses or implies a relationship other than that of independent party nor bind the other party.

- i) Entire Agreement - This Agreement and the annexures attached herewith and forming part of this agreement represents the entire agreement between the Parties and supersedes and cancels all previous negotiations, agreements or commitments (whether written or oral) with respect to the subject matter hereof.
- j) Modification- This Agreement may only be modified by a written document signed by duly authorized representatives of both Parties.
- k) Counterparts - This Agreement shall be executed in triplicate, each of which when delivered is an original but all of which taken together constitute one and the same instrument.

**IN WITNESS WHEREOF**, the Parties hereto have caused this Contract to be signed at Pantnagar in their respective names through their respective authorized signatories as of the day and year first above written.

A handwritten signature in dark ink, appearing to be 'S. Singh', is located in the bottom right corner of the page.A small, stylized handwritten mark or signature is located in the bottom right corner, below the main signature.

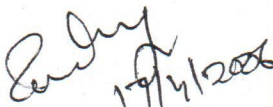


ON BEHALF OF

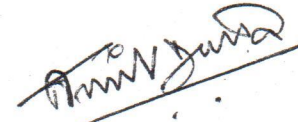
GBPUA&T

Ernst & Young Pvt. Ltd


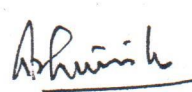
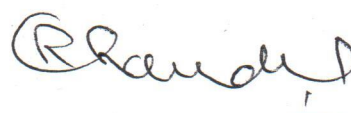
Ernst & Young Pvt. Ltd  
(Authorised Signatory)

  
S.C. Pandey

Jayesh Desai

  
Amit Dutta

Witness:

1.  (V.D.P. Rao) DES nominee.
2.  (A.K. Pandey) Director Works & Plants
3.  (Rajesh Chaudhary) Campus Director, Patwara Nagar

## ANNEXURE – 1

### Scope of Work

#### Milestone 1: Study of Leading Technical Institutes and Manufacturing Facilities in Hilly/ Isolated Regions

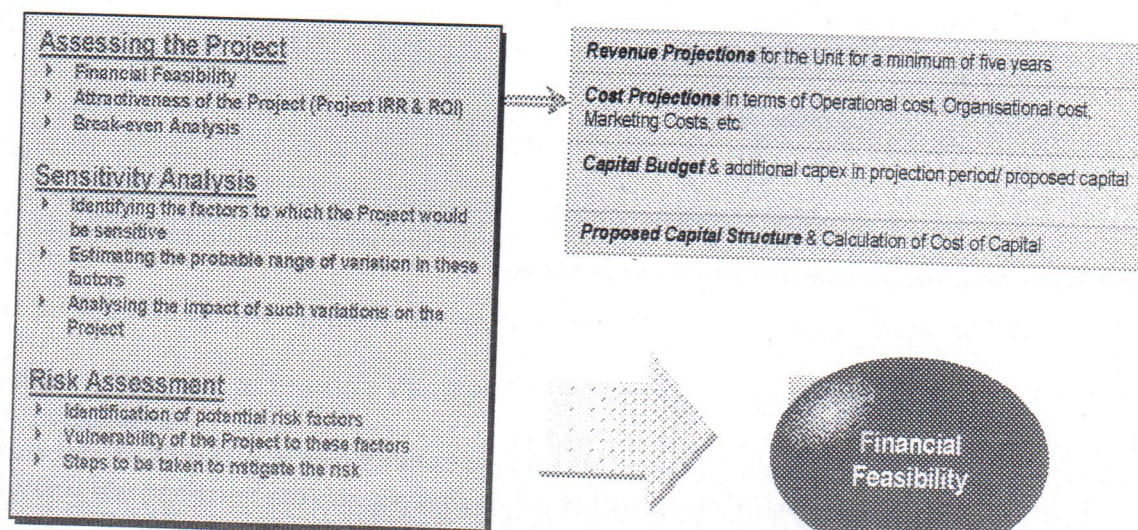
- Identify and prepare case studies on leading technical institutes and manufacturing facilities in hilly and isolated regions (globally and in India)
- Facilitate client team visits to the identified institutes/ facilities for identifying global models, understanding leading practices, benchmarks available, etc.
- Organize team visits to leading cGMP compliant vaccine manufacturing facilities in India to observe the infrastructure/ operational practices.

#### Milestone 2: Integrated Concept and Development Plan

- Develop a concept and development Plan for Patwadangaras a satellite knowledge township with a biotech hub as the nucleus. This would include the following aspects:
  - Suggested land use pattern for SVI/ Configuration of the Hub
  - Feasibility/ Assessment of proposed infrastructure at SVI
  - Market Opportunity Analysis: Brief Vaccine Market Study
  - Strategic Location Analysis of Patwadangar Recommendations on developing Patwadangar as a satellite township to support the biotech hub
  - Role of Key Stakeholders
  - Dependencies and Linkages

#### Milestone 3: Project Cost & Financial Modelling for Campus Infrastructure (including R&D Institute, Pilot Plant & minimal Common infrastructure)

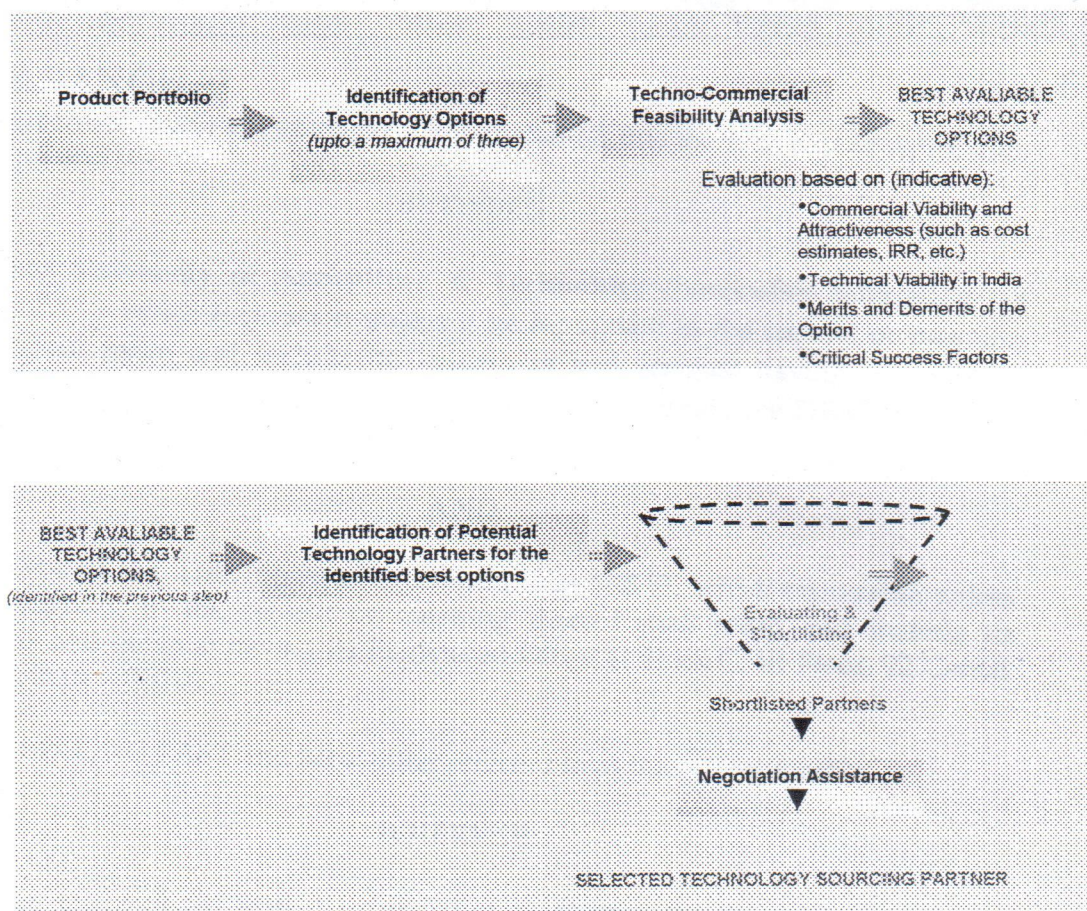
- Develop the financial model and cost and revenue projections for the Vaccine Hub





#### Milestone 4: Assistance in Evaluating Technology Options & Technology Sourcing Partner Search for Pilot Scale Manufacturing by GBPUA&T

- Work along with GBPUA&T to assist in identifying technology options for manufacturing products identified in the previous phase
- Technologies would be evaluated by carrying out a techno-commercial feasibility analysis based on co-defined parameters
- Ernst & Young would rely on GBPUA&T for technical/scientific inputs for this exercise
- Assist GBPUA&T in identifying the partner (s) for sourcing the technology options identified in the previous step
- Assist in negotiating with the identified partners



#### Milestone 5: Marketing the Cluster to an Anchor Tenant (Leading Vaccine Company)

- Marketing the Park to Leading Vaccine Players through focussed discussions & presentations
- Assistance in identifying and shortlisting potential anchor tenants
- Selecting the preferred private partner and in the negotiation process





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कृषि और प्रसंस्कृत खाद्य उत्पाद  
निर्यात विकास प्राधिकरण  
(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार)

Agricultural and Processed Food Products  
Export Development Authority  
(Ministry of Commerce & Industry, Govt. of India)

Adv WTO/UNCTAD/2006  
April 17, 2006  
26044

Dr. V.P. S. Arora,  
Dean,  
College of Agribusiness Management  
G.B. Pant University of Agriculture & Technology  
Pantnagar - 263 145  
Distt. U.S. Nagar  
Uttranchal.

**Sub: GoI-UNCTAD-DFID Project on Strategies and Preparedness for  
Globalisation in India - MoUs for Tier-II Partnership.**

Dear Sir,

Please refer to your letter forwarding two copies of MoUs signed by the authorized signatory on behalf of your organization for Tier II partnership under the GoI-UNCTAD-DFID Project on Strategies and Preparedness for Globalisation in India.

Enclosed please find one copy of MoU duly signed by Chairman, APEDA for your records.

Yours faithfully

A. K. Gupta  
Advisor (WTO)

Encl: as above

PA  
dict.  
20.04

C. A B M. Pantnagar  
Receipt No. CABM/R/ 955-  
Date. 20/4/06



## MEMORANDUM OF UNDERSTANDING

Agricultural & Processed Food Products Export Development Authority (APEDA) an apex body under the Ministry of Commerce & Industry, Government of India, is mandated, inter alia, to promote the export oriented production and development of the products listed in the schedule to the APEDA Act 1986. APEDA works for the improvement of packaging and marketing of the mandated products and arranges training in various aspects of the agri and food processing for promotion and development of the export of these products.

APEDA has entered into an MoU with United National Conference on Trade & Development (UNCTAD) to implement a project, "Strategies and Preparedness for Trade and Globalisation in India" for Agriculture Sector as Tier 1 Partner. The project will address the needs of the agri and food products sector to build up the capacity of various stakeholders through support for implementation of identified Trade Related Capacity Building (TRCB) activities.

The project has two components. The component I of the project focuses on 'upstream' activities (assisting trade negotiators and policy makers), while the component II of the project will facilitate downstream actions, such as building stakeholder capacities for understanding and managing the impact of globalisation on their respective constituencies and equip them to take better informed decisions and formulate their strategies with a greater level of understanding of the issues. As a Tier I partner of Component II of the project, APEDA will be responsible for conducting TRCB in the Agriculture sector in accordance with the principles, guidelines and objectives set forth in this Memorandum of Understanding (MoU) signed with UNCTAD. APEDA in turn will implement the project across the country partnering through various stakeholders of the sector. These partners will be called as Tier-II Partners. In order to take the objectives ahead, APEDA will enter into MoUs with the partners. The objective of this MoU is to provide a framework for a partnership arrangement between APEDA and the concerned stakeholders (Tier II Partner) for ensuring close cooperation and coordination of efforts concerning to dissemination, research, training and consultancy related to international trade.

In accordance with their respective areas of specialization, the APEDA and the Tier II Partner will share and exchange relevant information and documentation on a regular basis; conduct regular consultation at the sector/cluster level to identify and carry out potential joint research projects, besides development of user friendly tools for dissemination to the industry and other stakeholders through seminars/symposia/workshops etc. in the designated textile clusters in the country.

This co-operation between the APEDA and the Tier II Partner is non-exclusive and mutually free of charge.

The funds will be made available for implementing the activities under the project. However, the activities and size of the funds requirement will be decided in consultation with APEDA and UNCTAD.

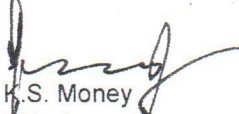
The Parties hereby confirm their commitment to jointly work in accordance with the principles, processes and procedures set forth in this document in order to contribute to the success of the Project.

This MoU shall initially be valid for two years from the date of signing. Both the organizations would review the effect of this co-operation periodically, and if such evaluation is positive, the MoU would be extended on mutually acceptable conditions.

New Delhi

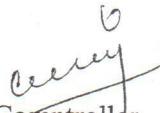
Date


APEDA

  
K.S. Money  
(Chairman)

**K.S. MONEY I.A.S.**  
**CHAIRMAN**  
**AGRICULTURAL AND PROCESSED FOOD PRODUCTS**  
**EXPORT DEVELOPMENT AUTHORITY**  
(Ministry of Commerce & Industry, Govt. of India)  
**NEW DELHI**

Tier II Partner

  
Comptroller

  
Dean, CABM



4937

भारतीय गैर न्यायिक

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TEN  
RUPEES

Rs.10

INDIA NON JUDICIAL

दिल्ली DELHI

POWER OF ATTORNEY

03AA 595289

Be it known to all by this Special Power of Attorney as follows:

WHEREAS Engineering Projects (India) Limited, is a Company registered in India under the Companies Act, 1956, (hereinafter referred to as "EPI") having its Registered and Corporate Office at Core 3, SCOPE Complex, 7, Institutional Area, Lodhi Road, New Delhi - 110 003.

NOW, THEREFORE, in exercise of the powers sub-delegated by the Board of Directors of EPI to the Chairman-cum-Managing Director in their meeting held on March 30, 1976 read with the resolution passed by circulation amongst the Directors on the Board of Directors of EPI on July 17, 1979 and ratified in the Board Meeting held on July 27, 1979, I, Saleem Hamid, S/o Late Shri A M Abdul Hamid, Chairman-cum-Managing Director, EPI hereby authorize Shri Rais Ahmad, General Manager for signing MOU as required for the following works to be submitted to G.B. Pant University of Agriculture & Technology, Pantnagar - 263145, Distt. - U.S. Nagar, Uttaranchal.

"Construction of Vaccine Production Centre, Biotechnology Institute, including Township & other facilities at Patwadangar".

Issued and executed on the 18<sup>th</sup> April, 2006.

In witness whereof, I have signed this deed which shall be of full force and effect and binding on me.

Witness :

जी०डी० मूरजानी/G.D. MOORJANI  
कार्यकारी निदेशक (वित्त) एवं कंपनी सचिव  
Executive Director (Finance) & Company Secretary  
इंजीनियरिंग प्रोजेक्ट्स (इंडिया) लि०  
Engineering Projects (India) Ltd.  
(भारत सरकार का उद्यम/A Govt. of India Enterprise)  
कोर-3, स्कोप कॉम्प्लेक्स, 7, लोधी रोड,  
Core-3, SCOPE Complex, 7, Lodhi Road,  
दिल्ली 110 003

सलीम हमीद  
SALEEM HAMID  
अध्यक्ष-सह-प्रबंध निदेशक  
Chairman-Cum-Managing Director  
इंजीनियरिंग प्रोजेक्ट्स (इंडिया) लि०  
ENGINEERING PROJECTS (INDIA) LTD.  
कोर-3, स्कोप कॉम्प्लेक्स, 7, लोधी रोड, नई दिल्ली-110 003  
Core-3, SCOPE Complex, 7, Lodhi Road, New Delhi-110 003





उत्तरांचल UTTARANCHAL

576169

MEMORANDUM OF UNDERSTANDING

The MEMORANDUM OF UNDERSTANDING (MOU) entered on this 2nd day of May 2006 BETWEEN the G. B. PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, PANT NAGAR-263145 DISTT. UDHAM SINGH NAGAR (UTTARANCHAL) hereinafter referred to as "THE UNIVERSITY" which expression shall unless repugnant to the context or meaning, thereof be deemed to mean and include its successor and permitted assignees of the first part and **ENGINEERING PROJECTS (INDIA) LTD., CORE-3, SCOPE COMPLEX, 7 INSTITUTIONAL AREA, LODHI ROAD, NEW DELHI - 110 003** hereinafter referred to as "EPI" which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successor and permitted assignees of the second part,

**WITNESSETH:**

**WHEREAS** the University is intending to award the work of **Construction of Vaccine Production Centre, Biotechnology Institute include Township & other facilities at Patwadangar (Nainital)** hereinafter referred as the "Project".

**AND WHEREAS**, EPI, a Government of India Enterprise, under Ministry of Heavy Industries and Public Enterprises has all the resources and capabilities in taking up this project as Project Manager, as per the requirements of the University.

Contd....2

  
COMPTROLLER  
G. B. Pant Univ. of Agric. & Tech.  
PANTNAGAR-263145 (U. S. Nagar)





**NOW THEREFORE**, it has been agreed between the Parties as under :

1. EPI shall be the Construction Agency for the construction of civil infrastructure i.e. roads, drainage, street lighting, buildings and allied works at Patwadandar.

The Estimated cost of the said work is approximately Rs. 3935.30 Lacs (Excluding EPI's agency charges)

- 1.1 The scope of work shall consist of development of 25-30 acres of land and construction of the following :

- Training Complex & Hostels
- Animal House
- Institute Building & Vaccine Production Unit
- Library
- Residences
- Contract services
- Bulk services
- In addition, about 30 acres of land shall be developed for Private Vaccine Production Units.

Immediately work is to be started on Training Complex & Training Hostel, Animal House with Store, Institute Building ( 2 blocks comprising of R&D Labs./Administration & Pilot Plant Vaccine Production Unit) ,Residences & Bulk Services .

Sequence of Construction, Schedule of Completion and Fund Flow shall be mutually discussed and agreed.

- 1.2 Architect appointed by LDA shall provide coordinates for the Institute and Industrial Plots for Private Vaccine Production Units.

2. The services to be provided by EPI shall be as under:-

- i) Arrange to get detailed survey done of site and preparation of detailed design / drawing.
- ii) Preparation of detailed Cost Estimates for the works (sequence wise).
- iii) Getting the approval of Cost Estimates from Govt. of Uttaranchal.
- iv) Inviting, finalizing and award of tenders for the entire work.
- v) Getting the works executed through construction agency(s) including inspection of work to ensure the quality and timely completion thereof.

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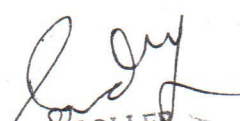
  
CONTROLLER  
G. B. Pant Univ. of Agric. & Tech.  
PANTNAGAR-263145 (U. S. Nagar)





- vi) To assist University in obtaining clearances from various government departments concerning to construction of buildings and township.
3. EPI shall take up this work on "Deposit Basis". EPI shall be paid Agency charges @ 12.5% of the actual cost of the work. The actual cost of the work incurred plus agency charges on the same shall be charged to the project and saving on the estimated cost shall be deposited in the account of the University.
  4. The University shall release an amount of Rs. Eighty lacs to EPI as initial deposit within 15 days of signing of this MOU. The university shall also provide priority of work, required for the project to EPI. EPI shall incur expenditure from the deposit for the execution of work and EPI shall submit periodic expenditure and progress of the work to the University. The initial deposit shall be recouped by the University upon submission of expenditure statement and work progress by EPI.
  5. EPI shall finalise the design & civil infrastructure in consultation with the University.
  6. EPI shall handover the buildings in phases after their completion and inspection by the University to ensure quality of construction and material used. Officer of University not below the rank of Dy. DWP will inspect the work from time to time and EPI shall take corrective measures / suggestions, if any.
  7. The defect liability period shall be, one year from the date of handing over of the buildings/ allied works to the University according to rules applicable to other construction agencies of Uttaranchal. The Construction Agency shall ensure the defects to be rectified within 30 days of receipt of written notice from the University.
  8. EPI will submit to the University periodic reports indicating physical progress, financial progress, etc.
  9. Every dispute, difference or question shall be referred to the sole Arbitration of Vice Chancellor of G. B. Pant University of Agriculture and Technology, Pant Nagar. The decision of Arbitrator shall be final and shall be binding on the parties. The disputes shall be settled in accordance with the provisions of the Arbitration & Reconciliation Act, 1996.
  10. EPI shall appoint a Nodal Officer at Patwadangar who shall co-ordinate the various activities of coordination and monitoring of the project. Similarly Director Works & Plants shall be the Nodal Officer for the University.

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 CONTROLLER  
 G. B. Pant Univ. of Agric. & Tech.  
 PANT NAGAR-263145 (U. S. Nagar)




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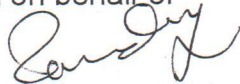
11. EPI shall ensure to complete work / works within sanctioned estimated amount. For reasons beyond control, if cost of works increases, EPI shall submit revised estimate to State Government through University Nodal Officer and after sanction of revised estimate the increase in cost will be admissible to EPI.

EPI shall ensure to complete the work within stipulated period and shall not be entitled for any revision in estimates for work done after date of completion. This is applicable only if the delay is solely attributable to EPI.


12. EPI shall ensure the compliance of general conditions of contract to be followed by the contractors as per G. P. W. 9 (Revised) Annexure 'A'.

Signed at PANTNAGAR on this day as mentioned above.

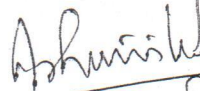
For and on behalf of

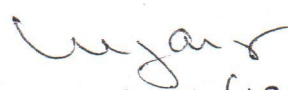
  
G. B. Pant University of Agriculture  
and Technology  
PANTNAGAR-263145 (U. S. Nagar)

For and on behalf of

  
Engineering Projects (India) Ltd.  
RAIS AHMAD  
General Manager  
Engineering Projects (India) Ltd.  
(A Govt. of India Enterprise)  
Core-3, Scope Complex,  
7, Lodhi Road, New Delhi-110003.

Witnessed by

  
Ashish  
Adv. Pandey  
DWT.

  
G. K. Gang  
Adv. Bhatnagar



# **THIS MEMORANDUM OF UNDERSTANDING**

**Dated the 8<sup>th</sup> Day of May, 2006**

**Between**

**Govind Ballabh Pant University of Agriculture and Technology,  
Pantnagar, India**

**And**

**The University of New England  
Australia**

**This MEMORANDUM OF UNDERSTANDING**

**Dated the 8<sup>th</sup> Day of May, 2006**

**Between**

**Govind Ballabh Pant University of Agriculture and Technology,  
Pantnagar, India**

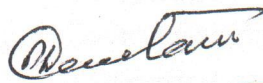
**And**

**The University of New England  
Australia**

Whereas:

- A. The Vice-Chancellor of Govind Ballabh Pant University of Agriculture and Technology and the Pro Vice-Chancellor of the University of New England, for the purpose of Furthering cooperation through both educational and academic exchanges, hereby affirm their intent to promote such exchanges as will be of mutual benefit for their respective institutions. Educational and academic exchanges are considered here to include but not be limited to:
1. Development of mutually beneficial academic programmes and courses;
  2. Exchange of academic staff for purposes of teaching and research;
  3. Reciprocal assistance for visiting academic staff and students;
  4. Coordination of such activities as joint research, lectures and training;
  5. Exchange of documentation and research materials in fields of mutual interest provided that, to the best knowledge of the respective institutions, there is no prohibition at law or otherwise against the exchange; and,
  6. Exchange of students for study and research;
- B. Details of the implementation of any particular student exchange or faculty-related activity resulting from this Memorandum of Understanding shall be negotiated between the two (2) institutions as such specific case may arise and will be outlined in a Supplementary Student Exchange Agreement or Faculty Exchange Agreement between the institutions. Supplementary Agreements are subject always to availability of sufficient funds to the respective institutions.

Initials

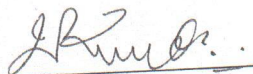




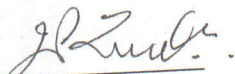
- C. This Memorandum of Understanding reflects the respective institutions' commitments to both educational and academic exchanges as of the date of the Memorandum of Understanding. This Memorandum of Understanding may be amended or terminated at any time by either party provided that notice of termination or amendment is provided by the notifying party to the other party within thirty (30) days of the date on which the termination or the amendment is intended to become effective. Any amendment or termination shall not have effect on any arrangement in place at the time that the notice is provided, where the arrangement arises from any Supplementary Agreements resulting from this Memorandum of Understanding.

IN WITNESS WHEREOF the parties hereto have executed the MEMORANDUM OF UNDERSTANDING as of the date first written above.

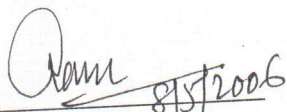
Witnesses



Dr. J.P. Tewari,  
Registrar,  
Govind Ballabh Pant University of  
Agriculture and Technology,  
Pantnagar, India




Dr. J.P. Tewari,  
Dean,  
Post Graduate Studies,  
Govind Ballabh Pant University of  
Agriculture and Technology,  
Pantnagar, India

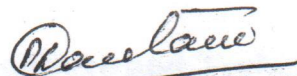


Dr. Basant Ram,  
Director of Experiment Station  
Govind Ballabh Pant University of  
Agriculture and Technology,  
Pantnagar, India

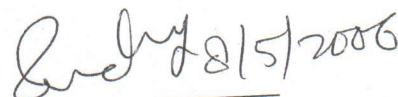
Signatories



Dr. Robin Pollard  
Pro. Vice-Chancellor,  
University of New England,  
Australia



Dr. P.L. Gautam  
Vice-Chancellor,  
Govind Ballabh Pant University of  
Agriculture and Technology,  
Pantnagar, India



Shri S.C. Pandey  
Comptroller,  
Govind Ballabh Pant University of  
Agriculture and Technology,  
Pantnagar, India

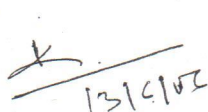
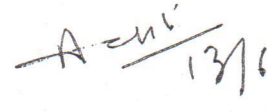
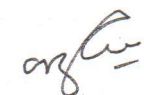


संयुक्त पैमाईश निशानदेही चिन्हीकरण कब्जा हस्तांतरण

आज दिनांक 13.06.2006 को पंतनगर हवाई-अड्डा विस्तारीकरण में निम्न विभागों के निम्न अधिकारी/कर्मचारियों के मौके में पैमाईश कर निशानदेही कर, हवाई-अड्डा अधिकारि/कर्मचारियों को अवगत कराया गया है :

1. राजस्व विभाग के अधिकारी/कर्मचारी :
  1. श्री अनिल सिंह गर्ब्याल, तहसीलदार किच्छा
  2. श्री हर सिंह रजवार, नायब तहसीलदार
  3. श्री रोहित राणा, पटवारी क्षेत्र फूलबाग
  4. श्री गरीब सिंह, हल्का पटवारी
2. भारतीय विमानपत्तन प्राधिकरण के अधिकारी/कर्मचारी :
  1. श्री ए.के. गुप्ता, सहायक महाप्रबंधक (भूमि प्रबंधन)
  2. श्री के.सी. मृधा, प्रबंधक (ए.टी.सी.)
3. वन विभाग के अधिकारी/कर्मचारी :
  1. श्री राघे श्याम, वन दरोगा
4. पंतनगर विश्वविद्यालय के अधिकारी/कर्मचारी :
  1. श्री एस.सी. पाण्डे, नियंत्रक (विश्वविद्यालय)
  2. श्री ए.के. पाण्डे, निदेशक (निर्माण एवं संयंत्र)
  3. डा. ए.क्यू. खान, अवर निदेशक (बीज उत्पादन केन्द्र)
  4. डा. पी.आर. राजपूत, संयुक्त निदेशक (कृषि वानिकी)
  5. डा. सुभाष चन्द्रा, मुख्य महाप्रबंधक (फार्म)
  6. डा. ए.के. कर्नाटका, परिसम्पत्ति अधिकारी (विश्वविद्यालय)
  7. डा. बी. यादव, संयुक्त निदेशक (बीज उत्पादन केन्द्र)
  8. श्री क्यू.ए. खान, परिसम्पत्ति अधिकारी (फार्म)
  9. श्री मुरारी लाल, अवर अभियंता (फार्म)

उपरोक्त सभी अधिकारी/कर्मचारी मौके में उपस्थित हुए हैं। सभी अधिकारी/कर्मचारियों के सम्मुख मौका पैमाईश कर मौके में चारों ओर से निशान देही कर दी गई है। भारतीय विमानपत्तन प्राधिकरण के अधिकारी/कर्मचारियों को मौके में ही बता दिया, दिखा दिया गया है।



विमानपत्तन के विस्तारीकरण के लिए खसरा नं. व रकबा निम्न प्रकार है :  
तराई स्टेट फार्म

खसरा नं.	रकबा
53 मि0	0.025
54 मि0	0.064
268/2 मि0	10.635
276 मि0	27.204
279	0.341
280	0.060
277	0.016
278	0.082
281	0.256
41 मि0	23.075
42	0.238
43	1.315
44	0.030
46 मि0	0.107
47 मि0	0.770
48 मि0	0.320
49 मि0	0.060
50 मि0	2.688
51 मि0	0.285
52	0.016
53 मि0	7.797
54	0.700
268/2 मि0	16.984
<b>Total</b>	<b>93.068</b>

विश्वविद्यालय, पंतनगर की भूमि की चौदही निम्न प्रकार है :

पूर्व में : हवाई-अड्डा  
पश्चिम में : विश्वविद्यालय की भूमि  
उत्तर में : विश्वविद्यालय की भूमि  
दक्षिण में : पंतनगर-रुद्रपुर मार्ग

*[Signature]*

*[Signature]* 13/1/16

*[Signature]* 13/1/16

वन विभाग के नाम दर्ज भूमि

खसरा नं.	रकबा
268/1 मि०	11.304
268/1 मि०	5.199
269	0.493
270 मि०	1.440
272 मि०	0.115
273	0.420
274 मि०	4.032
276/1 मि०	4.250
<b>Total</b>	<b>27.253</b>

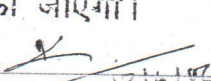
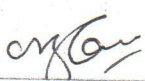
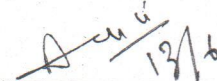
वन विभाग की भूमि की चौदही निम्न प्रकार है :

पूर्व में	:	वन विभाग की भूमि
पश्चिम में	:	विश्वविद्यालय की हवाई-अड्डे की प्रस्तावित भूमि
उत्तर में	:	वन विभाग की भूमि
दक्षिण में	:	हवाई-अड्डा

विश्वविद्यालय का एरिया 93.068 हैक्टेयर वर्तमान एवं विस्तारीकरण हेतु आज दिनांक 13.06.2006 को भारतीय विमानपत्तन प्राधिकरण को कब्जा दिया जा रहा है।

वन विभाग का एरिया	:	27.253 हैक्टेयर वर्तमान एवं विस्तारीकरण हेतु
कुल एरिया	:	120.321 हैक्टेयर

वन विभाग की भूमि की सीमाएं विमानपत्तन प्राधिकरण को दिखाया गया जिसका प्रस्ताव भारत सरकार को भेजा गया प्रस्ताव भारत सरकार को स्वीकार होने के उपरांत कब्जा हस्तांतरण की कार्यवाही की जाएगी।

   13/6



राजस्व विभाग के अधिकारी/कर्मचारियों के नाम

हस्ताक्षर

1. श्री अनिल सिंह गब्याल, तहसीलदार किच्छा
2. श्री हर सिंह रजवार, नायब तहसीलदार
3. श्री रोहीत राणा, पटवारी क्षेत्र फूलबाग
4. श्री गरीब सिंह, हल्का पटवारी

*[Signature]*

*[Signature]*

*[Signature]*

भारतीय विमानपत्तन प्राधिकरण के अधिकारी/कर्मचारियों के नाम

हस्ताक्षर

1. श्री ए.के. गुप्ता, सहायक महाप्रबंधक (भूमि प्रबंधन)
2. श्री के.सी. गूधा, प्रबंधक (ए.टी.सी.)

*[Signature]*  
(K.C. Muralha)  
13/06/2006

पतनगर विश्वविद्यालय के अधिकारी/कर्मचारियों के नाम

हस्ताक्षर

1. श्री एस.सी. पाण्डे, नियंत्रक (विश्वविद्यालय)
2. श्री ए.के. पाण्डे, निदेशक (निर्माण एवं संयंत्र)
3. डा. ए.क्यू. खान, अवर निदेशक (बीज उत्पादन केंद्र)
4. डा. पी.आर. राजपूत, संयुक्त निदेशक (कृषि यांत्रिकी)
5. डा. सुभाष चन्द्रा, मुख्य महाप्रबंधक (फार्म)
6. डा. ए.के. कर्नाटका, परिसम्पत्ति अधिकारी (विश्वविद्यालय)
7. डा. बी. यादव, संयुक्त निदेशक (बीज उत्पादन केंद्र)
8. श्री क्यू.ए. खान, परिसम्पत्ति अधिकारी (फार्म)
9. श्री मुरारी लाल, अवर अभियंता (फार्म)

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*


*[Signature]*  
13/6/06

*[Signature]*


*[Signature]*

हवाई-अड्डा विस्तारीकरण में वि०वि० फार्म की भूमि का परिसम्पत्तियों सहित कब्जा स्थानांतरण

कब्जा दिया

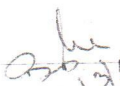
  
(क्यू.ए. खान) 13.6.06

परिसम्पत्ति अधिकारी (फार्म)  
जी.बी. पंत वि०वि०, पंतनगर  
ऊधम सिंह नगर, उत्तरांचल

  
(ए.के. कर्नाटक) 13/6/06

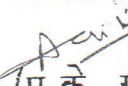
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जी.बी. पंत वि०वि०, पंतनगर  
ऊधम सिंह नगर, उत्तरांचल

प्रमाणितकर्ता

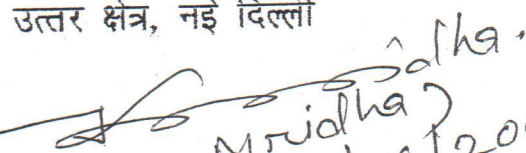
  
(एस.सी. पाण्डे)  
नियंत्रक

जी.बी. पंत वि०वि०, पंतनगर  
ऊधम सिंह नगर, उत्तरांचल

कब्जा लिया


  
(ए.के. गुप्ता) 13/6


सहायक महाप्रबंधक (भूमि प्रबंधन)  
भारतीय विमानपत्तन प्राधिकरण  
उत्तर क्षेत्र, नई दिल्ली

  
(के.सी. मृधा) 13/06/2006  
प्रबंधक (ए.टी.सी.)

भारतीय विमानपत्तन प्राधिकरण  
सिविल विमानक्षेत्र, पंतनगर

Handed over land in my presence

  
(जी.एस. धीमान)  
विमानन सलाहकार  
नागरिक उड्डयन विभाग  
उत्तरांचल शासन  
देहरादून

  
(Rajesh Kumar) 13/6/06  
MEC



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# Summary of details of property which is existing in Aerodrome extension in 'M' block

## Haldi University Farm (To be shifted in other blocks)

S. N.	Name of Property	Quantity	App. Rate	App. Cost (Rs)	Remark if any
1	<ul style="list-style-type: none"> <li>• Forestry plantation</li> <li>• Other Research Material in Agro Forestry including Bembo Satum</li> </ul>			2,11,238.00 40,00,000.00	
			Sub total	42,11,238.00	
2	<u>Area</u> <ul style="list-style-type: none"> <li>• Existing Aerodrome (Land)</li> <li>• Extension area (land)</li> <li>• Addnational land for road connecting Haldi Rly. Station.</li> </ul>	49.70 43.368 ha. 06 ha.	@5,20,000/- ha. @5,20,000/- ha. Rs.5,20,000/-ha.	2,58,44,000.00 2,25,51,360.00 31,20,000.00	
			Sub total	51515360.00	
3	<u>Shifting of Staff Member/</u> <ul style="list-style-type: none"> <li>• Hutment</li> <li>• Cheap House with Varamada</li> <li>• Labour Shed without varamada</li> <li>• Block Supdt./ ABS Residences</li> <li>• Flooring</li> </ul>	39 12 16 1 (99.18 Sq.M.) 234.25 Sq. M.		9,05,900.00 12,10,216.80 19,36,602.20 9,90,171.00 67,500.00	In Plot No. 222/ 223, 215 & 224, 216
			Sub total	5110390.00	

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4	<b>Other Accessory</b>				
	• Block Store (size 19.25x6.89= 131.86)			7,26,770.00	
	• Threshing Floor			4,80,916.00	
	• Electric supply			19,15,921.00	
	• Pump House (Slab Roofing)			48,400.00	
			<b>Sub total</b>	<b>3,17,2007.00</b>	
	<b>Tube well</b>				
	• Deep tube well	3	1800000.00	54,00000.00	
	• submersible well	1	1800000.00	18,00000.00	
	• M. well	2	150000.00	3,00,000.00	
	• Pacca irrigation open channel	3000 RM	1690.00/ RM	50,70,000.00	
			<b>Sub total</b>	<b>1,25,70,000.00</b>	
	<b>Land Development</b>	43.368 ha.	25000.00 LS	10,84,000.00	
5	<b>Shifting of Agro. Forestry Centre &amp; Breeder planting Material</b>			2,25,00000.00	
			<b>Sub total Rs.</b>	<b>2,35,84,000.00</b>	
			<b>Grand Total</b>	<b>10,01,62,995.00</b>	
			<b>Say</b>	<b>10,02,00,000.00</b>	

**Note:** Shifting and construction of Paccha Road 5 kg. and Two Culvert (R.C.C. Slab Culvert Double span) for approach in Rly. Station will be needed for this separate budget should be provided by Govt.

*Shande*

प्री. 1

पन्तनगर (क. वि. 100) 10/11/2010





उत्तर प्रदेश UTTAR PRADESH

A 614587

### MEMORADUM OF UNDESTANDING

The memorandm of understanding is made at G.B. Pant University of Agriculture & Technology] Pantnagar on this 2nd June 2006 day of 200 between G.B. Pant College (hereinafter called "the Client" which expression shall unless repugnant to the context thereof include successor and assigns) of the part and "Uttar Pradesh Rajkiya Nirma Nigam Ltd." (Hereinafter called and UPRNN which expression shall unless repugnant to the context thereof iclde its assigns) of the other part.

Whereas at the proposal of the client the UPRNN has agreed to constructy Administrative Block building of Krishi Vigyan Kendra Kashipur (hereinafter called the "Project") as per order No .3...1...1...1.../...24.3...21.11.05

Now this Memorand of Understanding executed between the Parties hereto witnesses as follows:

*(Signature)*  
(S.K. GARG)  
PROJEC. MANAGER  
U.P. R. Nigam Ltd.  
Nagar unit  
Moradabad

*(Signature)*  
वि. वि. वि. वि.



(2)

1. It is understood that ceiling cost of the Project will remain Rs. 58.39 Lacs as sanctioned vide Order No. 3.1.2.1.2. / 24.31.2001 subject to flow of funds is maintained by client as per clause 3 of this memorandum of understanding. In case there is revision of cost due to reasons mentioned below, the revised estimate will be submitted by UPRNN to the university for sanction from CSIR.

- I. Due to extra height of plinth, extra depth of foundation as per soil testing report after selection of site.
- II. If the cost of external site development works exceeds from admissible 20% amount due to site conditions then same shall be allowed as per clause 3 of Chief Engineer level — 1 Lok Nirman Vibhag letter No. 1002/448 Bhawan/2000 dated 31/05/2001.
- III. Cost of Ceiling fan is not included in sanctioned estimate if this is to be done by UPRNN 4% of civil cost will be charged extra in RPE.

2. It is understood that UPRNN shall start actual construction work only after the "Client" has (1) communicated in writing to UPRNN its Administrative and financial sanction of the preliminary estimates based on the plinth area rates (2) Delivered clear possession of the land for the project and (3) Within Thirty (30) days the issue of 'letter of Intent' by the client (4) deposited with UPRNN sufficient advance being not less than 25% of the estimated cost. The UPRNN shall start the construction work within 30 days with effect from the last date of the four dates as above.

3. It is understood that at the time of allotment of work, flow of funds shall be mutually decided in accordance with the expected/desired progress of work (by the client) as per annexure VI.

(संयोजक गणेश)

परियोजना प्रबन्धक

राष्ट्रीय विद्यापीठ शिक्षण निगम लि.

सिंह  
वित्त नियन्त्रक



4. Centage Charges :

It is understood that the construction work will be taken up by the UPRNN as deposit work on the basis of Actual Cost of Labours, Materials, Equipment and all other inputs as defined in Annexure-I which will form the part of this Memorandum of Understanding. The 12.5% (as amended) of the Actual cost will be charged as "Centage Charges" in accordance with Uttar Pradesh Government Order No. A-2-87/10-97 12 (4) dated 27/02/1997 a copy of which is enclosed hereto as Annexure II, which will form a part to Memorandum of Understanding. Subject cost ceiling for *KASHI/R Construction of Farmers hostl* & *residence* RS 58.39 Lacs & *revision* as per clause-I of this MOU.

5. Project Cost :

- a. It is understood that the total extent of actual cost shall not exceed the Revised Estimated cost as per work actually executed and calculated on the Plinth Area as mentioned in Para 1. If the actual cost exceeds the Revised Estimated cost calculated as above. The excess shall be borne from the Overhead of the UPRNN. The total present estimated cost of the Project as approved by CSIR preliminary estimate is Rs.52.39 Lacs Annexure II.

- b. The Plinth Area Rates be applicable only when the Actual specifications of each types of the building strictly conform to specifications on which such plinth area. Rates are based. In case of any deviation in specification, ceiling heights extra provision used on such extra item, shall be provided in detailed project report.

6. Time of completion :

- a. It is understood that the UPRNN shall take up the work in accordance with the priorities indicated in writing by the client and its completion will be governed by a Joint Pert showing the activities of the client (completion date \_\_\_\_\_) and the

परियोजना प्रबंधक

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26



(4)

UPRNN, which will be updated according to the constraints of either part from time to time.

- b. The UPRNN shall build and completely finish the project within 12 months from the date of receipt of 25% amount of the estimated cost as advance subject to cash flow as per clause-3, above, unless prevented by any Labour Strilkes, Fire accident, Earthquake, Mob-violence, attack from the air or any other major disturbance (force meajure) on any other reasons beyond the control of the UPRNN. In the case of any such event, the UPRNN will obtain written permission, project will be completed within the extended time.


The UPRNN shall also be entitled to get compensation for loses/extra expenditure, if any, incurred due to the damages on account of causes mentioned above, if such causes (s) were not beyond the control of UPRNN. The decision of Managing Director of UPRNN & Vice Chancellor of G.B. Pant Agriculture & Technology university Pantnagar Jointly as the whether the causes were not beyond the control of the UPRNN as the amount to compensation for losses/ extra expenditure shall be binding on the client.

7. Insurance :

In case, the client desires, the UPRNN SHALL MAKE insurance of property against damages, accidents, fire, riots or any act of "GOD" and the charges incurred for this purpose will be inculded in 'Actual Cost of the Project'.

8. Accounts :

The Periodical Accounts of the UPRNN are being audited by the Statutory auditors (Chartered Accountants). The UPRNN shall submit to the client such periodical audited accounts of the unit,

  
(सह. नि. मने)  
परियोजना प्रबन्धक  
राष्ट्रीय राजकीय निर्माण निगम लि.  
नया, दिल्ली

  
वित्त विभाग



(5)

relating to the work as and when audited in the format enclosed hereto as Annexure-V. The client shall also have an access to the books of accounts of UPRNN, in case, if the client deems it necessary.

9. Inspection of work & quality control :

It is understood that the client or any person authorized by it/him not below the rank of Asstt. Director, work and plants may inspect the 'construction work' at any time and from time to time to satisfy itself/himself that the building are being constructed by the UPRNN as per drawing and specification as provided in the Preliminary Estimate. If any defects or variation made without the written request of the client are found during the inspection, they will have to be rectified by the UPRNN at its own cost on written notice by the client within 30 (Thirty) days from its receipt.

10. Compensation of Damage :

It is understood that the UPRNN shall remain liable to and shall indemnify the client, in respect of losses, damage, or compensation arising out of any accident or injury, sustained by the client or by any workman in the employment of the UPRNN while in or upon the said work on the same arising out of any act; default or negligence, error in judgement on the part of UPRNN, its employees or agents, subject to the determination of the compensation or damage by the competent Authority as defined in the relevant laws.

11. Settlement of disputes :


It is understood that any disputes or differences arising out of this Memorandum of Understanding, shall be settled in accordance with Memorandum of Govt. Order no. 156/Chauwalis-2/156/91-92, dated 5th February, 1992 a copy of which is annexed hereto as


*Sgt*  
(सं. के. गरी)  
परियोजना प्रबंधक  
राजकीय निर्माण निगम लि.  
परादाकार

*Sgt*  
निरा नियन्त्रक

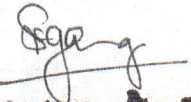
In witness whereof the parties hereto have set their hands. Through their authorised representatives on this deed and affixed their seals on date, month and year first above written.


For and on behalf of  
G.B. Plant Agriculture & Technology  
University Pantnagar


  
COMPTROLLER  
G. B. Pant Univ. of Agric. & Tech.,  
PANTNAGAR-263145 (U. S. Nagar)

Witness  
 A. K. Pandey  
owner

For an on behalf of UPRNN. Ltd

  
(प्र. के. रास्तोगी)  
परियोजना प्रबन्धक  
Project Manager  
उ.प्र. रास्तीय विद्युत निगम लि.  
U.P. Roadways, J.P. Nagar.  
Moradabad.

  
P. K. Rastogi  
Asstt. Resi. Engineer  
U. P. R. N. N. Ltd.  
J. P. Nagar

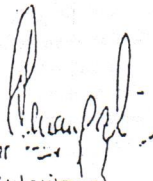
  
(प्र. के. रास्तोगी)  
परियोजना प्रबन्धक

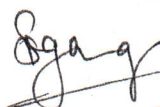


**Actual Cost**

The actual expenditure will comprise of the following :

- 1 Cost of material procured by UPRNN Ltd. including its cost of cartage, loading, unloading, stacking and storage, handling and double handling.
- 2 Cost of material supplied by the Client and used in the work the cost being the procurement cost of the client including its handling, cartage, double handling etc.
- 3 Amounts of money for cartage, loading, unloading, stacking and storage of material etc., as spent by UPRNN Ltd. on material supplied by client.
- 4 Cost of labour utilised in the work through PRW, Subcontractors and daily Labour.
- 5 Cost of lower field staff like mates, mistries, carpenters, workagents, choukidars etc., in case of idle period due to inadequate funds or want of decisions from the client or delay in taking over, cost of such essential personnel actually deployed on the work will be charged to the work.
- 6 Actual cost of procurement, cartage and storage of small tools and plants like spades, baskets etc., after completion of works, credit will be given to "Actual Cost" for the resale value of remunerates of such T&P.
- 7 Actual cost for procurement, cartage, loading and unloading, storage, fixing, refixing and removal etc., of all wooden shuttering, scaffolding, ballies, bamboos, planks, plywood etc., credit will be given to "Actual Cost" of the resale value of these materials at the close of the work.
- 8 The cost of the Listed Machines and Equipments will be borne by the second party and head office will not be charged to "Actual Cost". However, ownership charges, rent of shuttering, spare part charges, running charges, (including fuel, lubricants), cost of operators, storage, cost of maintenance and repair will be form part of "Actual Cost".
- 9 Actual cost of all "Enabling works" like site office, stores, labour sheds, workshop etc. will form part of "Actual Cost" at the close of work, resale value of these items will be credited to the "Actual Cost". The final actual cost will be restricted to 12.5% of the total cost. Actual cost of procurement, cartage etc. and fixing, refixing and removal of items like water pipe lines, wires and cables, and such other items required in connection with proper execution of the work will also form part of "Actual Cost".
- 10 All expenditure connected with labour welfare, compensation to labour and other requirements according to Labour Law will also form part of "Actual Cost".
- 11 All other items not mentioned above, but forming direct expenditure to the work, the decision of the Managing Director will be final.
- 12 Expenditure on survey & Soil Testing.
- 13 Expenditure on Sales Tax or Turnover Tax and Stamp Duty, if any.
- 14 A separate ledger head should be maintained for Profit & Loss account. In this account, all 12.5% charges received from the client should be shown together with all expenses of the Nigam which are to be met from this 12.5%. Cost of regular staff, T. A., of regular staff and stipend to apprentices payable by UPRNN Ltd., is to be borne by UPRNN Ltd.. However, regular staff like Drivers, Operators etc., actually deployed to the work are chargeable to "Actual Cost" and not to the 12.5% overhead. Cost of stationery, Office Furniture, telephone, postage stamps are chargeable to 12.5% overhead. Cost of entertainment is also chargeable to overhead of Nigam under 12.5%. Head Office charges should also be charged under overheads of Nigam.

  
(प्रमुख)  
प्रबंधक (परियोजना)

  
(एस० के० गर्ग)  
परियोजना प्रबंधक

न०७० राजकीय निर्माण निगम लि  
नयाँ दिल्ली



Annexure-II

संख्या : -ए-२-८७ / एत-६७-१७(४) / ७५

प्रेषक,  
श्री शेखर अग्रवाल,  
सचिव, वित्त(व्यय-नियंत्रण)  
उ०प्र० शासन।

प्रेषा में,  
(१) प्रमुख अभियन्ता,  
लोक निर्माण / सिंचाई विभाग,  
उ०प्र०, लखनऊ।  
(२) निदेशक एवं मुख्य अभियन्ता,  
ग्रामीण अभियन्त्रण सेवा,  
उ०प्र०, लखनऊ।

तखनऊ दिनांक २७ फरवरी, १९६७

वित्त(सेवा)अनुभाग-२

विषय:- प्रतिशत प्रसार की दर।

मान्यता,

मुझे आपसे यह कहने में निश्चय हुआ है कि वित्त (सेवा) अनुभाग-२ के शासनादेश संख्या-ए-२-३२२० / एत-७७(४) / ७५, दिनांक १२, जुलाई, १९६६ के अन्तर्गत पर (संख्या) संख्याओं, रचनात्मक निर्माणों और वाणिज्यिक विभागों के व्यय के लिये, व्यय की लागत का १५ प्रतिशत की दर प्रतिशत प्रसार (सेन्टेज चार्ज) निर्धारित है। सामाजिक उपक्रमों एवं विभागों से भी उनके द्वारा डिजाइन्ड के रूप में मिले जा रहे राजस्व व्ययों पर प्रतिशत प्रसार दरों की वृद्धि लागत में ५ प्रतिशत बढ़ा करने के साथ-साथ लागत का १५ प्रतिशत अनुक्रम नियत जाता है। ग्रामीण अभियन्त्रण सेवा द्वारा कृषि उपकरण आगुला शाखा के माध्यम से सामाजिक विभाग के रूप में मिले जाने वाले व्ययों पर प्रतिशत प्रसार नहीं लगाया जाता है। शासन ने निम्नलिखित यथा प्रतिशत प्रसार अथवा व्यय की लागत का १२.५ प्रतिशत की दर से वृद्धि किया जाय एवं ग्रामीण अभियन्त्रण सेवा द्वारा डिजाइन्ड के रूप में मिले जा रहे समस्त राजस्व व्ययों पर इसी दर प्रतिशत प्रसार वृद्धि किया जाय। इस प्रतिशत प्रसार में १.०० प्रतिशत छूट एवं एकजुटता शुल्क सम्मिलित है, तथा इतर विभाजन आवश्यकतानुसार निर्धारित है।

पूर्ण परियोजनाएं एवं छोटे-बड़े अनुमान ..... १.५० प्रतिशत  
(प्रारम्भिक अनुमानों के व्यय सहित)  
जोखमज में भी लागू किया जाएगा।  
व्ययों का निष्पादन लेखा परीक्षा सहित ..... १.०० प्रतिशत  
जिन मामलों में केवल प्रारम्भिक परियोजनाएं ..... १.०० प्रतिशत  
और अनुमानित प्रस्तावना नगरे जायेंगे  
आवश्यक व्यय में भी लागू होगा।  
सामाजिक उपक्रमों एवं विभागों एवं अन्य निर्माण इकाइयों / लापरवाही संस्थाओं द्वारा शासनादेश के रूप में मिले

जाने पर सेन्टेज उन्हें पूर्ण की गति युक्त लागत में लागत का ५ प्रतिशत घटाने के साथ-साथ लागत की जा चुकी है, पुनरीकृत नहीं होगी, परन्तु यदि पुनरीकृत आवश्यक निर्माणों लागत में वृद्धि की रही है, पुनः स्वीकृति हेतु शासन / राज्य अधिकारी को शासनादेश के निर्माण की जाय के बाद प्राप्त होती है तो उन पर वृद्धि लागत की परराशि पर प्रतिशत प्रसार इस शासनादेश में लिखित दर पर अनुमान होगा। निम्नलिखित लागत में आवश्यक संशोधन व्यवस्थापन किये जायेंगे।  
कृपया इस सम्बन्ध में सम्बन्धित निर्देश अपने आचार्य सम्बन्धित अधिकारियों को अविलम्ब प्रसारित करने का कष्ट करें।

भवदीय,  
४०/-  
(शेखर अग्रवाल)  
सचिव, वित्त(व्यय-नियंत्रण)

- पत्रांक सं० ए-२-८७(१) / एत-६७- तद्विभाग
- प्रतिनिधि निर्माणों के अनुमानों एवं आवश्यक समर्थन हेतु प्रेषित-  
प्रमाण पत्रों/लेखापत्रों/लेखा एवं दस्तावेजों प्रेषण, उ०प्र०, दत्तावाय।
  - प्रमाण पत्रों/लेखापत्रों/लेखा एवं दस्तावेजों प्रेषण, उ०प्र०, दत्तावाय।
  - प्रमुख अभियन्ता, लोक निर्माण / सिंचाई विभाग, उ०प्र० शासन।
  - सचिव, सार्वजनिक एवं ग्रामीण अभियन्त्रण सेवा विभाग, उ०प्र०।
  - सचिव, महासंरक्षण विभाग विभाग, उ०प्र०।
  - निदेशक, लोक निर्माण / सिंचाई / ग्रामीण अभियन्त्रण सेवा, उ०प्र०, लखनऊ।
  - निदेशक, राजकीय कोषालय, उ०प्र०, लखनऊ।
  - निदेशक, राजकीय पुस्तकालय, उ० प्र०, दत्तावाय।
  - राज्यपाल के समस्त अनुभाग।

आज्ञा से,  
४०  
(विमानन्द मिश्र)  
संयुक्त सचिव

(मुद्रित अक्षर)  
अध्यक्ष (परियोजना)

(एस० के० गर्ग)  
परियोजना प्रबन्धक

४०७० राजकीय निर्माण विभाग लि०  
दत्तावाय



Form of Periodical Account  
U. P. Rajakiya Niman Nigam Ltd.

Annexure-III

Sl. No.	Name Of The Building/ Works	Nature of Building/ Works	Number of Buildings/ Works	Plinth Area	Cost of Material Used	Cost of Labour Used	Other Direct Expenditure as per Annexure-I	Total Expenditure (6+7+8)	12.5% Over-Heads of UPRNN
1	2	3	4	5	6	7	8	9	10

(एस० के० गौरी)  
परियोजना प्रबंधक  
उ० प्र० राजकीय निमन निगम लि.  
आरा, बिहार



Sl. No.	Particulars	1998-99	1999-2000	2000-2001 onwards	Total
1	2	3	4	5	6
3-G	Cost of procurement, cartage etc. and fixing, refixing and removal of items like water pipeline, wires and cables and such other items required in connection with proper execution of work.				
3-H	All expenditure connected with labour welfare, compensation to labour and other requirements.				
3-I	Expenditure on any other items not mentioned above but forming direct expenditure to the work.				
3-J	Expenditure on survey & soil testing.				
3-K	Expenditure on Sales-tax or Turnover Tax				
4	Add 12.5% Centage Charges on 1+2+3.				
	Value of work done				

*Sgty*

(एस० कै० गर्ग)

परियोजना प्रबन्धक

राजकीय निर्माण निगम लि.  
भरतपुर

(निर्माण विभाग)

अध्यक्ष (निर्माण)



## Annexure-IV

c) No removal of materials like water, pipeline, wires and particulars

Tata

compensating for double handling  
steeking, handling and double handling

but forming direct expenditure to the work.

Expenditure on Sales-tax or Turnover Tax

4-1-C Ambulance for carrying, loading, unloading

Value of work done  
stacking and storage of material etc. as spent by

IPRNN Ltd. on material supplied by the client

Cost of labour utilised in the work through PRV, sub

Cost of labor and daily labor

conviction and daily labour.

Expenditure on males, 1990

Agents, Chaudhary, etc.

Expenditure during idle period on such essential

personnel and labour actually deployed on the work

Cost of procurement, cartage and storage of stores

folk and plants like snodas baskets etc less

10015 and 10016

their resale value

Ownership charges and rent of shuttling.

Spare part charges, running charges (including fuel

lubricants).

Maintenance and repair of machines. 1920-25

of operations

Operatics.

Cost of engineering works like site office, stores, labour

sheds, workshops, etc. less 5. entrance to

exceeding 1.25% of the total cost



(1910. 04. 01)



Annexure-V

संख्या १५६ / सीवासि-२-१५६ / ६१-६२  
आ० विजय कृष्ण सक्सेना,  
मुख्य सचिव,  
उत्तर प्रदेश शासन।  
सेवा में,

शारान के समस्त प्रमुख सचिव / सचिव,  
उत्तर प्रदेश शासन, लखनऊ।

संलग्नक दिनांक : ५ फरवरी, १९६२

सार्वजनिक उद्यम अनुभाग-२

विषय: सार्वजनिक उद्यमों / निगमों एवं शारान के विभिन्न विभागों और सार्वजनिक निगमों / उपक्रमों के आपसी विवादों के निराकरण हेतु  
समिति का गठन।

माहिस्य,

सार्वजनिक क्षेत्र के उद्यम सामाजिक एवं आर्थिक दृष्टि से एक महत्वपूर्ण भूमिका अदा करते हैं। इन निगमों / उपक्रमों एवं शारान के विभिन्न विभागों के मध्य समय-समय पर विवाद होते रहते हैं, जिनका प्रसिद्ध प्रभाव इनकी उपलब्धियों पर पड़ता है, यह भी देखा गया है कि सार्वजनिक निगमों / उपक्रमों में आपसी विवाद उत्पन्न हो जाते हैं। अधिकांशतः विवाद राजस्व देयकों, विस्तृत एकाग्रता आदि समस्याओं का लेकर होते हैं।

२. ये सभी विवादों में निगम / उपक्रम अथवा सम्बन्धित विभाग में उत्पन्न होने वाले विवादों के निराकरण हेतु व्यापकतापूर्वक एवं व्यापकतापूर्वक का साधन दिया जाता है। न्यायालयों / न्यायिकरणों में विवादों के जाने से न केवल वित्तीय हानि होती है, बल्कि निगमों के निराकरण में काफी विलम्ब होता है। यह शासन एवं उपक्रम दोनों के लिए हानिप्रद है।

३. अतः उक्त तथ्य को ध्यान में रखते हुए राज्यपाल महोदय सांविधिक निगमों से सम्बन्धित अधिनियमों / नियमों तथा कम्पनी ऐक्ट, १९५६ अथवा तोराइटीज रजिस्ट्रेशन ऐक्ट, १९६० के अन्तर्गत पंजीकृत सार्वजनिक उद्यमों / निगमों / उपक्रमों के आपसी विवादों का एडोप्टिवेशन से सम्बन्धित तथा उ०प्र० सार्वजनिक निगमों पर नियंत्रण अधिनियम १९७५ (उत्तर प्रदेश अधिनियम संख्या - ४१ / १९७५) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए शारान के विभिन्न निगमों तथा सार्वजनिक निगमों / उपक्रमों के मध्य आपसी विवादों को निराकरण एवं निराकरण हेतु निम्न समिति का गठन करते हैं :-

- |     |   |         |
|-----|---|---------|
| (१) | प्रमुख सचिव, सार्वजनिक उद्यम विभाग..... | अध्यक्ष |
| (२) | प्रमुख सचिव, वित्त विभाग.....           | सदस्य   |
| (३) | सचिव, उद्यम विभाग.....                  | सदस्य   |
| (४) | सचिव, न्याय विभाग.....                  | सदस्य   |
| (५) | सचिव, सम्बन्धित प्रशासनिक विभाग.....    | सदस्य   |

४. राज्यपाल महोदय यह भी निर्देश देते हैं कि विवादों को उक्त समिति को संविहित किया जाय तथा समिति के अध्यक्ष समिति की बैठक बुलाकर संविहित होने वाले विवादों को निराकरण करवाये। किसी भी उपक्रम / निगम शारान के विभाग द्वारा उक्त समिति के आतिथ्य के बिना पुनः किसी सभाग न्यायालय में विवाद / मामला नहीं ले जाया जायेगा।

यदि प्रश्नगत समिति के अधिनियम से कोई निगम / उपक्रम / विभाग संतुष्ट न हो, तो निगम / उपक्रम / विभाग शारान स्थित प्रशासनिक विभाग द्वारा यथाप्रविष्ट मंत्रि-परिषद के समक्ष प्रकरण को प्रस्तुत कर सकते हैं। इस सम्बन्ध में मंत्रि-परिषद का अथवा यदि मंत्रि परिषद द्वारा कोई समिति गठित की जाती है तो ऐसी समिति का निर्णय अन्तिम होगा।

कृपया पत्र की प्राप्ति स्वीकार करें एवं इरफान अनुपालन तत्परता एवं कड़ाई से सुनिश्चित कराया जाय।

भवदीय,

४० / ८

(डा० विजय कृष्ण सक्सेना)

मुख्य सचिव

संख्या-१५६(१) / ४४-२-१५६ / ६१-६२ तदुद्दिष्ट  
प्रतिलिपि निम्न को सूचनाार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-

- (१) निगमों / उपक्रमों के प्रमुख निदेशकों / मुख्य कार्यकारी (नाम से)
- (२) सार्वजनिक उद्यम मंत्रि, जनार्दन भवन, लखनऊ को १० प्रतियों सहित।
- (३) सार्वजनिक उद्यम अनुभाग-१

(पुरेश चन्द)  
सचिव (परिषद)

आता रो,  
४० / ८  
(रमेशचन्द्राप्रियाजी)  
प्रमुख सचिव

(एस० के० गर्ग)  
परियोजना प्रबंधक  
राजकीय निर्माण निगम लि०  
वाराणसी



उत्तरांचल क्षेत्र हेतु भवन कार्यों की कुरी क्षेत्रफल को स्वीकृत करें (दिनांक 01.05.2001) से प्रभावित

क्रमांक	भवनों की श्रेणी	भवन कार्यों की कुर्सी दरें	वाटर सप्लाय एवं सेनेटरी कार्य	आंतरिक विद्युतीकरण	योग	स्वीकृत दर प्रतिवर्ग मी०
1	2	3	प्रतिशत	राशि	प्रतिशत	राशि
			4	5	6	7
					8	9

#### आवासीय भवन :-

1.	उच्च अधिकारियों के आवास श्रेणी-5	3808	9	343	9	343	4494	4490
2.	अधिकारियों के आवास श्रेणी - 4	3808	9	343	9	343	4494	4490
3.	साधारण आवास श्रेणी 3 और 2	3455	9	311	7	242	4008	4010
4.	निम्न श्रेणी कर्मचारियों के आवास श्रेणी-1	3290	9	296	6	197	3783	3780

#### अनावासीय भवन :-

5.	उच्च अनावासीय भवन जैसे सर्किट हाउस मेडिकल कॉलेज न्यायालय आदि ।	4140	10	414	10	414	4968	4970
6.	मध्य अनावासीय भवन जैसे कार्यालय, विद्यालय कोषागार, प्राथमिक स्वास्थ्य केंद्र आदि ।	2993	6	240	9	359	4592	4590
7.	साधारण अनावासीय भवन जैसे बेसिक प्राइमरी स्कूल, जूनियर हाईस्कूल गैंगहट सब सैक्टर आदि	3822	6	229	9	344	4395	4390

नोट :-1.

ये दरें टनकपुर-काटगोदाम-रामनगर-कोटद्वार-अधिकेश-देहरादून तथा उत्तरांचल के मैदानी क्षेत्रों के लिए निर्धारित की जाती हैं । दूरी एवं ऊँचाई इन्डैक्स संलग्न तालिका के अनुसार जोड़ा जायेगा ।

- प्रोच के लिए उपरोक्त तालिका के मद संख्या 3 का 50 प्रतिशत जोड़ा जायेगा ।
- संलग्न इंडेक्स के अनुसार अन्य मदों में अतिरिक्त प्राविधान किया जायेगा ।

गंगा प्रसाद पंत  
अवर अभियन्ता (प्राविधिक)  
कार्यालय मुख्य अभियन्ता, अल्मोड़ा  
(एम० ए० गंगे)  
परियोजना प्रबंधक  
ब० १० राजकीय निर्माण निगम लि.  
एन० के० लोहनी  
वरिष्ठ स्टाफ ऑफिसर  
लॉन्गवि०, अल्मोड़ा

वी० वी० गुलाटी  
मुख्य अभियन्ता स्तर-1  
लॉन्गवि०



उत्तरांचल क्षेत्रों के भवनों के निर्माण के लिए कुर्सी क्षेत्रफल दरों के  
निर्धारण के लिए निर्देश टिप्पणी

1. (क) दूरी इण्डेक्स के लिए निम्न प्रकार के प्राविधान होने चाहिए  
(अ) पक्के मोटर मार्ग पर 10 किमी० या उसके अंश 5 किमी० से अधिक पर 1.5% ।  
(ब) कच्चे मोटर मार्ग पर 10किमी० या उसके अंश 2.5 किमी० से अधिक पर 1% ।  
(स) अश्व मार्ग पर प्रति 1किमी० व उसके अंश 0.5 किमी० से अधिक पर 8% ।  
(द) ऐसी पगडंडियों जिन पर घोड़ा या खच्चर नहीं चल सकता दो, उसके प्रति 1 किमी० या उसके अंश 0.5 किमी० से अधिक पर 4% ।  
(ख) ऊँचाई के लिए निम्न प्रकार अतिरिक्त इण्डेक्स लगाया जायेगा ।  
1000 मीटर तक की ऊँचाई पर कोई इण्डेक्स देय नहीं होगा ।  
1001 मीटर से 2100 मीटर तक - 1% प्रत्येक 100 मीटर के लिए ।  
2101 मीटर से 2400 मीटर तक - 11+3% प्रत्येक 100 मीटर के लिए ।  
2401 मीटर से 2900 मीटर तक - 20+5% प्रत्येक 100 मीटर के लिए ।
2. दो मंजिले व अतिरिक्त मंजिलों के भवनों का कुर्सी क्षेत्रफल दरें निकालने के लिए भूमि तल के कुर्सी क्षेत्रफल दरों का 90% ऊपरी तल के लिए लिया जायेगा । लेकिन अतिरिक्त तल हेतु 10% अतिरिक्त प्राविधान किया जायेगा ।
3. वाह्य स्थल का विकास कार्य के लिए स्थल की दशा के अनुसार अधिकृत 20% देय होगा । यदि स्थल विकास कार्य 20% से अधिक प्रतीत होता है तो, स्थल विकास कार्य का पूर्ण विवरण देते हुये आगणन प्राविधान किया जायेगा । स्थल विकास के अन्तर्गत भूमि समतल करना, कटिंग करना व स्थल की सुरक्षा हेतु प्राविधान जैसे रिटेनिंग तथा ब्रेस्टवॉल, आन्तरिक नालियों व सड़क सम्मिलित है ।
4. वाह्य जल-मल एवं विद्युतीकरण सर्विस कनेक्शन, सेप्टिक टैंक, सोकपीट, बाउन्ड्रीवाल तथा स्थल वर्क पहुँच मार्ग आदि का प्राविधान अलग से किया जायेगा ।
5. 1600 मीटर तक की ऊँचाई के स्थानों पर आवासीय भवनों के लिए 3% तथा अनावसीय भवनों के लिए 4% अलग से छत के पंखों के लिए जोड़ा जायेगा ।

(एस० के० गंगो)

परियोजना प्रबन्धक

उ०प्र० राजकीय निर्माण विभाग लि०  
मराठाबाद



श्रेणी एक के भवनों में पंखों का कोई प्राविधान नहीं किया जायेगा, तालिका के क्रमांक 3 पर ही देय होगा ।

6. आकस्मिक व्यय, यंत्र एवं संयंत्र, कार्य प्रभावित कर्मचारियों के लिए 1.50 कुल 12% आगणन के अन्त में सभी एक मुश्त धनराशि को घटाकर

प्राविधान सम्मिलित है । ऐसे भवनों जहाँ भारी पॉवर लोड की आवश्यक कार्यशाला आदि जहाँ मशीनें लगनी हों, पॉवर वायरिंग का प्राविधान परि अनुसार किया जायेगा ।

8. इन दरों में भूकम्पीय सुरक्षा हेतु आर.सी.सी. बेण्ड तथा रेनफोर्समेन्ट प्राविधान सम्मिलित है ।
9. क्वालिटी कंट्रोल का प्राविधान अलग सा नहीं किया जायेगा ।
10. अनावसीय भवनों में लैण्ड स्केपिंग का प्राविधान आवश्यकतानुसार अलग जायेगा ।

उक्त सभी के अतिरिक्त सभी प्रकार के भवनों हेतु निम्न अतिरिक्त प्रा दरें नियमानुसार देय होंगी ।

1. दीमक प्रतिरोध हेतु रू० 100 प्रति वर्ग मी० (केवल पहली मंजिल के
2. अग्नि शमन के लिए - रू० 296 प्रति वर्ग मी०
3. ओ०पी०डी० आपरेशन थियेटर के लिए - 767 प्रति वर्ग मी०
4. सामान्य ऊँचाई 2.90 मी० से अधिक प्रत्येक 0.30 मी० अतिरिक्त ऊँचाई - 117 प्रति वर्ग मी०
5. सामान्य कुर्सी ऊँचाई 0.60 मी० से अधिक प्रत्येक 0.30 मी० अतिरिक्त लिए (केवल भूतल के लिए) - 117 प्रति वर्ग मी०
6. नींव की सामान्य गहराई 1.20 मी० से अधिक प्रत्येक 0.30 मी० अतिरिक्त के लिए (केवल भूतल के लिए) - 145 प्रति वर्ग मी०
7. प्रबलित कंक्रीट (आर.सी.सी.) राफ्ट नींव हेतु - 711 प्रति वर्ग मी०

गंगा प्रसाद पन्त


अवर अभियन्ता (प्राविधिक)

एन०के०लोहनी

वरिष्ठ स्टाफ आफीसर

वी०वी०गु

मुख्य अभि

  
राजकीय निर्माण निगम लि०  
मुंबई



श्रेणी एक के भवनों में पंखों का कोई प्राविधान नहीं किया जायगा, तालिका के क्रमांक 3 पर ही देय होगा ।

6. आकस्मिक व्यय, यंत्र एवं संयंत्र, कार्य प्रभावित कर्मचारियों के लिए 1.50 कुल 12% आगणन के अन्त में सभी एक मुश्त धनराशि को घटाकर

प्राविधान सम्मिलित है । ऐसे भवनों जहाँ भारी पॉवर लोड की आवश्यक, कार्यशाला आदि जहाँ मशीनें लगनी हों, पॉवर वायरिंग का प्राविधान परि अनुसार किया जायेगा ।

8. इन दरों में भूकम्पीय सुरक्षा हेतु आर.सी.सी. बेण्ड तथा रेनफोर्समेन्ट प्राविधान सम्मिलित है ।
9. क्वालिटी कंट्रोल का प्राविधान अलग सा नहीं किया जायेगा ।
10. अनावसीय भवनों में लैण्ड स्केपिंग का प्राविधान आवश्यकतानुसार अलग जायेगा ।

उक्त सभी के अतिरिक्त सभी प्रकार के भवनों हेतु निम्न अतिरिक्त प्रादरें नियमानुसार देय होंगी ।

1. दीमक प्रतिरोध हेतु रू0 100 प्रति वर्ग मी0 (केवल पहली मंजिल के
2. अग्नि शमन के लिए - रू0 296 प्रति वर्ग मी0
3. ओ0पी0डी0 आपरेशन थियेटर के लिए - 767 प्रति वर्ग मी0
4. सामान्य ऊँचाई 2.90 मी0 से अधिक प्रत्येक 0.30 मी0 अतिरिक्त ऊँचाई - 117 प्रति वर्ग मी0
5. सामान्य कुर्सी ऊँचाई 0.60 मी0 से अधिक प्रत्येक 0.30 मी0 अतिरिक्त लिए (केवल भूतल के लिए) - 117 प्रति वर्ग मी0
6. नींव की सामान्य गहराई 1.20 मी0 से अधिक प्रत्येक 0.30 मी0 अतिरिक्त के लिए (केवल भूतल के लिए) - 145 प्रति वर्ग मी0
7. प्रबलित कंक्रीट (आर.सी.सी) राफ्ट नींव हेतु - 711 प्रति वर्ग मी0

गंगा प्रसाद पन्ना

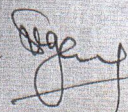
अवर अभियन्ता (प्राविधिक)

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वरिष्ठ स्टाफ आफ़ीसर

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मुख्य अभि



(एस० के० गंगा)

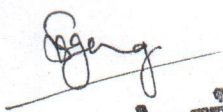
परियोजना प्रबन्धक

त०प्र० राजकीय निर्माण निगम लि.  
मराहाबाद



**FUNDS REQUIRED FOR COMPLETION OF CONSTRUCTION  
OF FARMERS HOSTEL AND RESIDENCES AT K.V.K.  
KASHIPUR**

Sl. No.	Stage of work	Farmers Hostel Amount (Rs. In lacs) for	Residences Amount (Rs. In lacs) for	Date of fund requirement
1	Mobilization advance	6.14	8.45	
2	After completion of work up to plinth level	5.40	7.48	
3.	After casting of roof slab	5.40	7.48	
4.	After completion of plaster and flooring	4.50	6.24	
5	After completion of work	3.14	4.16	

  
 (एस० कै० गौरी)  
 परियोजना प्रबन्धक  
 स०५० राजकीय निर्माण निगम लि.  
 पश्चिम बंगाल





उत्तरांचल UTTARANCHAL

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**MEMORANDUM OF UNDERSTANDING FOR CULTIVATION OF JATROPHA  
BY GOVIND BALLABH PANT UNIVERSITY OF AGRICULTURE &  
TECHNOLOGY, PANTNAGAR**

This **MEMORANDUM OF UNDERSTANDING**, dated the 26 of July, 2006 entered into between **BHARAT HERBALS & ORGANICS, PVT. LTD.** a company incorporated under the Companies Act, 1956 and having its registered office at 45, GMS road, Dehradun, Uttaranchal (hereinafter referred to as BHO, which expression shall, unless repugnant to the context or meaning hereof, be deemed to include its successors and permitted assigns) of the **ONE PART**.

**AND**

**GOVIND BALLABH PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY, PANTNAGAR** an University established in 1960 under the Uttar Pradesh Act, 1958 (Act XI -V of 1958) having its registered Office at Pantnagar, District- Udhamasinghnagar, Uttaranchal - 263145 ((hereinafter referred to as GBPUAT, which expression shall, unless repugnant to the context or meaning hereof, be deemed to include its successors and permitted assigns) of the **OTHER PART**.

The **MEMORANDUM OF UNDERSTANDING** for Promotion of Jatropha cultivation, procurement and its value addition in association with GBPUAT, Pantnagar will be entered between **BHARAT HERBALS & ORGANICS, PVT. LTD.** and **GOVIND**

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26/7/2006

*[Signature]*

*[Signature]*



**BALLABH PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY,  
PANTNAGAR.**

**WHEREAS** both BHO and GBPUAT agree that it is in their own mutual interest to enter into an Agreement to give effect to this joint programme.

**NOW THIS MEMORANDUM OF UNDERSTANDING WITNESSETH AND RECORDS THE UNDERSTANDING REACHED BETWEEN THE PARTIES HERETO:**

This **MEMORANDUM OF UNDERSTANDING** is for the purpose of executing a joint programme for Promotion of Jatropha cultivation, procurement and its value addition.

**1. Memorandum of Understanding:**

Between Bharat Herbals & Organics, Pvt. Ltd. 45, GMS road, Dehradun, Uttaranchal & Govind Ballabh Pant University of Agriculture & Technology, Pantnagar, Uttaranchal for promotion of Jatropha cultivation with technological support and research back up

- 2. Preamble:** BHO is currently involved in purchasing and marketing of all the certified organic produce in association with Govt. of Uttaranchal. The main thrust of the company is organic produce and its value addition with the main objective of the economic upliftment of small and marginal farmers of the hill state.

GBPUAT, Pantnagar is working on its mandate of teaching, research and transformation of technology to the farmers.

- 3. Purpose of MoU:** Promotion, cultivation, procurement and value addition in Jatropha with association of GBPUAT, Pantnagar

**4. Definitions:**

- Cultivation means - expansion of Jatropha in farmer's fields and in Van-Panchayats.
- Procurement means Buyback arrangement of Jatropha seeds with offering farm gate price to the farmers.
- Plant (nursery)-means propagation of Jatropha plants
- Technological Support- to make aware the farmers and other stakeholders about the package and practices of Jatropha cultivation.

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26/7/2006



- Capacity Building- training and skill up-gradation of farmers.
- Research- Propagation of high yielding varieties and support to the farmers in adverse conditions.

**5. Implementations framework:** The BHO will require minimum 25 lakh plants of Jatropha (sapling stage) per year for which the cost of saplings @ Rs. 1 per plant will be provided to GBPUAT by BHO as 50% in advance before the month of March in the respective year. The BHO will be responsible for complete arrangement of land, plantation and the procurement of seed produce. The GBPUAT will provide the complete agrotechnology and training back-up to BHO on the prescribed fee as decided by steering committee.

**6. Partners Responsibilities:**

G.B. Pant University will offer following services:

- Produce minimum 25 lacs high yielding plants per year and increase according to the requirement, by the mutual understanding.
- Provide technical know-how to the second party.
- Provide research back-up support to the second party.
- University will organize regular field visits at farmer's field.
- University will organize seeds and high quality planting material from Maharastra and Chattishgarh or any other such place as may be deemed fit by their own sources.

The BHO commits to:

- Smooth organization of specialized training programmes for farmers.
- Entrust GBPUAT, Pantnagar for monitoring and evaluation of Jatropha plantation with suitable logistic and financial help.

**7. Compensation and Benefits:** If first party did not lift the plants contracted for a particular year it is liable to pay all the due cost incurred equal to the value of plants.

Second party if unable to provide the required plants contracted for a particular year is liable to pay the loss incurred to the first party equal to the value of the plants not received at the time of plantation, provided the condition in clause 5 is fulfilled by first party.

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26/7/2008

*[Signature]*

*[Signature]*



8. **Terms and Conditions:** As laid by steering committee.

9. **Steering Committee:** The steering committee for this MoU will be as follows:

Director Research, GBPUAT: Chairman

Director, BHO: Member

CA, BHO: member

Director Extension: Member

Coordinator Jatropa, GBPUAT: Member Secretary

10. **Marketing and Trading:** This will be the responsibility of first party.

11. **General provisions:** This MoU shall come into force from the day aforesaid and will be valid for the period of 60 months. Both the parties on mutual agreement may renew the validity of MoU for next five years.

BHO would give first preference to the students of the University as and when required for employment opportunities in the company.

12. **Arbitration:** The Vice-chancellor, GBPUAT, Pantnagar will be the sole arbitrator and his decision would be binding on both the parties.

13. **Starting Date:** Date of Signing of MoU (26 July, 2006)

14. **Signatories of MoU:**

Shri K.S. Bagga, Director

Bharat Herbals & Organics Pvt. Ltd.

Dehradun, Uttarakhand

The Comptroller

G.B. Pant University of Agriculture & Technology,

Pantnagar, Udham Singh Nagar, Uttarakhand

**Witnesses:**

1. Naveen Nainwal

2. Apurv Pandey

1. Dr. Basant Ram

2. Dr. Arvind Shukla





दिल्ली DELHI

B 284422

**COLLEGE OF AGRIBUSINESS MANAGEMENT – YES BANK Memorandum of Understanding**

**Memorandum of Understanding  
Between**

YES BANK Ltd., Incorporated under the Companies Act 1956 and Banking Regulation Act. 1949 and having its registered office at 9<sup>th</sup> Floor, Nehru Centre, Discovery of India, Worli Mumbai- 400018, herein after referred to as "YES BANK" or "the Bank" of the One Part.

and

College of Agribusiness Management, G.B.Pant University of Agriculture & Technology was set up pursuant to the decisions of the Academic Council, the Board of Management of the University and clearance of the State Government at Pantnagar, Uttaranchal, hereinafter referred to as "CABM" of the other part.

WHEREAS CABM has been setup to impart education and training to young men and women for developing managerial skill in various areas of agribusiness viz, input supplies, production processing, marketing, pricing, finance, policy planning and export services, offer training courses for policy makers, executives and those in charge of agribusiness projects, conduct research on problems in agribusiness sector and improve the management of agricultural enterprises and projects; assist agribusiness organizations in solving their management problems by providing, consulting services, and to contribute to the formulation of agricultural policy of the state and Central government.

WHEREAS YES BANK is a high quality, technology driven, state-of-the-art private Indian Bank catering to "Emerging India", with strong focus on knowledge based approach to Banking, which is of particular relevance to the areas of knowledge

*Signature*

*Signature*  
G.B.F.U.A & Tech., Pantnagar



based sectors like Food and Agribusiness (F&A), Infrastructure, Life Sciences and Biotechnology, among others. The specialized 'Development and Knowledge Banking' division which houses Knowledge based sector experts at YES BANK pioneered the knowledge driven services in the Indian Banking system and has been associated with the various Central Government as well as State Government bodies on various strategic initiatives for development of the specialized projects in knowledge sectors based on Public Private Partnership (PPP) principles. YES BANK enjoys excellent relationships with Indian corporates and has built an asset portfolio and advisory expertise in the knowledge based sector space.

WHEREAS, CABM and YES BANK have resolved to deploy these skills and their network of relationships towards joint execution of advisory/ technical consultancy assignments in India as well as countries of strategic value in the knowledge based sectors domain.

WHEREAS, YES BANK and CABM are desirous of executing a Memorandum of Understanding with a view to record the broad terms and conditions mutually agreed to, by and between them subject to working out the modalities in detail and terms of implementation in due course as may be agreed between YES BANK and CABM.

NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSETH AS UNDER:

#### 1. TERMS

Unless otherwise terminated as hereinafter contained, the term of this MOU shall be for an initial period of ten years from the date of signing of this MOU, extendable upon mutual consent of the Parties concerned.

#### 2. SCOPE OF STRATEGIC ALLIANCE

This MOU will concern activities with regard to advisory/technical consultancy and project development assignment in India as well as countries of strategic value in the knowledge Sectors including but not limited to agribusiness, integrated area development domain.

The areas where YES BANK and CABM would cooperate, where mutually agreed upon are discussed below.

##### A. Advisory Services

1. YES BANK would provide advisory services to CABM on matters relating to preparation and content of business plans, market expectations and funding scenario for various projects in the knowledge sector domain, including projects offered by multilateral agencies to CABM that requires this kind of work.

##### B. Other areas of cooperation

1. Project Development in Pantnagar and other areas in Uttaranchal – YES BANK and CABM will work on developing Modern Agribusiness Park (MAP)

*SPG*



Project. The MAP Project will be developed on two areas of minimum 100 Acres in Pantnagar and minimum 50 Acres in Champawat Distt of Uttaranchal State. Both the areas are owned/ leased to GB Pant University of Agriculture and Technology, Pantnagar. YES BANK and CABM will develop a suitable structure to develop this project.

2. Likewise, YES BANK and CABM will work on developing an Integrated Area Development Project (IADP). The IADP is on a minimum 100 Acre area currently owned/ leased to GB Pant University of Agriculture and Technology, Pantnagar. YES BANK and CABM will develop a suitable partnership structure to develop this project. YES BANK will develop project development structure and will implement the project with mutual consent.
3. Human Resource Training / Creation Opportunities – YES BANK may act as a liaison between knowledge sector (including but not limited to agribusiness and infrastructure) industry in India and CABM to create mutually agreeable relationship to create / train adequate human resources for the industry.
4. Consultancy for YES BANK projects – YES BANK will utilize technical advisory services of CABM for specific commercial mandates being undertaken by YES BANK. These would be limited to the projects undertaken by YES BANK either on its own or on behalf of its clients. Such specific fee based technical advisory services contract shall be discussed and entered into based on mutual agreement between CABM and YES BANK.
5. Business Development activities – YES BANK has linkages (financial and advisory) with many Research & Development and Technically oriented Corporates requiring advisory services. YES BANK may introduce such Corporates to CABM for business as well as recruitments.
6. Joint assignments – YES BANK and CABM will jointly bid for undertaking strategic consultancy assignments. The fee-sharing mechanism on such assignments will be worked out on a project specific basis.
7. Other Activities- Parties hereby agree that on mutual agreement based on the relationship between the Parties, the scope of activity may be increased or decreased as the case may be.

### 3. INTELLECTUAL PROPERTY RIGHTS AND INDEMNITIES

Any consulting advisory and project development services provided by YES BANK to CABM shall not in any manner infringe the intellectual property right of any third party. Further, YES BANK ensures that the Intellectual Property of CABM shared with YES BANK is not infringed by YES BANK. YES BANK shall ensure that the inventories, developments, innovations produced by CABM are protected and owned by CABM and vice versa, unless it is expressly assigned to YES BANK under a Consultancy Project that is considered "work made for hire" and all assignment of rights to YES BANK and its Client is essential as per the terms of the engagements.

### 4. CABM REPRESENTS

CABM represents and warrants that the area on which MAP and IADP is proposed to be set up is owned by CABM or has been obtained on lease basis. CABM represents that it has the right, consent or approval, as required to develop the projects on the said areas.

*Shy*

*Shy*  
CONTROLLER  
G. B. P. U. A & Tech., Pantnagar



## 5. RELATED DOCUMENTS

This MOU shall constitute the main working document for relationship between YES BANK and CABM. The parties agree to enter into definitive agreement from time to time for provision of any of the services described herein above which will provide for the rights and obligations of the parties for the particular mandate/ assignment/ project.

### General Clauses

#### 1. Force Majeure / Acts of God:

This MOU is subject to force majeure situations. It shall be subject to inabilities based on circumstances beyond the control and power of contracting Parties, such as civil commotion, riots, war, hacking, unauthorized access, spam, etc. which may result in the vagaries of the general financial markets.

#### 2. Disclaimer

Neither party guarantees success of any project or assignment undertaken under this MOU.

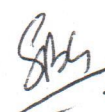
#### 3. Confidentiality

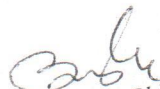
Neither party shall be entitled to use either party's trademark/logo without the prior written approval of the other party. The parties also agree that any developmental activities taking effect as a result of MoU should only be implemented on mutual consent of both the contracting parties.

CABM and YES BANK agree that they shall not, at any time or under any circumstances, without the written consent of the other party, directly or indirectly communicate or disclose to any person (other than their employees, agents, advisors, auditors and representatives) about the MOU, except during cases highlighted below:

- (a) Information that is required for progressing business opportunities;
- (b) Information already in the possession of a Party;
- (c) Information which is or becomes generally available to the public;
- (d) Information, which is reasonably required to be disclosed by a Party to protect its interest in connection with any valuation or legal proceedings; provided that the Party so required to disclose such information, shall immediately intimate the other party of the same.
- (e) Information that is required to be disclosed by law or by the applicable regulations or policies of any regulatory agency of competent jurisdiction or any stock exchange.

The Parties also agree that, subject to the aforesaid clause, they will inform each other prior to releasing any persons statements or other publicity regarding the MOU or the transactions contemplated by this MOU.



  
COMPTROLLER  
G. B. P. U. A & Techn. Panthnagar



Both Parties agree and bind themselves to the fact that all or any of the information, which is property of the other Party, shall be treated as confidential and no party shall disclose the said information without the prior approval of other in writing.

The provisions of this Clause herein above pertaining to the said confidential information shall survive the termination of the MOU for a period of 1 year from the date of such termination.

#### 4. Compensation

Unless otherwise agreed upon, neither party shall be under an obligation to compensate the other for any work undertaken or for any expenses incurred in relation to this MOU or in connection with any negotiations or activities prior to entering into legally binding definitive agreements and all such costs and expenses shall be borne by the respective party incurring them.

On a project-specific basis, CABM and YES BANK will work towards developing appropriate fee sharing mechanisms on advisory/consultancy / project development assignments jointly undertaken. The expenditures for typing, postage, stamp duty etc. necessary for signing the proposed MOU shall be borne by Yes Bank.

#### 5. Amendments and Waivers

No amendment in this MOU shall be valid or binding unless set forth in writing and duly executed by the Parties to this MOU. No waiver of any breach of any provision of this MOU shall be effective or binding unless made in writing and signed by the party purporting to give such waiver and unless otherwise provided in the written waiver, shall be limited to the specific breach waived.

#### 6. Termination

Both Parties confirm that they are competent to enter into such an MOU under their respective laws of Corporate/States/Country. This MOU shall be effective as on the date of execution and shall continue in full force unless terminated.

Either Party may terminate this MOU due to breach of terms agreed to in this MOU by other party. However, the party aggrieved by the breach shall give written notice to other party to this MOU indicating that the MOU shall be terminated not earlier than 30 days from the date of the receipt of the notice if the breach is not cured.

Either Party may terminate this MOU even without breach by giving 60 days notice in writing but such termination will not affect term 3 and the general clauses 3, 4, 5,6,7,8 and 10.

#### 7. Exclusivity

This Agreement shall be on a non - exclusive basis, provided that CABM shall not enter into any agreement for availing similar services agreed herein with any other third party for setting up MAP or IADP.

*Sb*

*COMPTROLLER*  
G. B. P. U. A & Tech., Pantnagar



#### 8. Indemnity

The parties agree to indemnify and keep indemnified Individually, fully and promptly, the other party from and against all costs, claims, demands, liabilities, expenses, direct damages or losses arising out of or in connection with the Indemnifying Party's breach or gross negligence or will full default of the terms of this MOU and its annexes. Indirect damages such as but not limited to loss of contracts are excluded from this liability. Liability for damages occurred for other reasons are excluded.

#### 9. Dispute Resolution

In the unlikely case of differences/disputes arising out of this MOU, the parties agree to find an amicable solution within 30 days of the date of dispute failing which, the difference or dispute shall be referred to arbitration to be conducted in accordance with Arbitration and Conciliation Act, 1996 by a sole arbitrator that will be Vice-Chancellor of G.B. Pant University, Pantnagar. The language of arbitration shall be in English and venue shall be Pantnagar Distt. U.S. Nagar of Uttaranchal State.

#### 10. Severability

If any provision of the MOU should be or become wholly or partly ineffective, all other provisions remain valid. The parties to this MOU will undertake all necessary steps and actions to replace the ineffective provision by an effective provision which comes as close as possible to the purpose of the ineffective provision.

#### 11. Statutory Compliances

YES BANK and CABM agree that all services rendered and operations conducted pursuant to this MOU shall be in compliance with all legislations, statutes, ordinances, regulations, administrative rulings or requirements of law.

#### 12. Notices

Any notice or other writing required or permitted to be given hereunder or for the purposes hereof to any party shall be sufficiently given if delivered personally or through registered post to such party.

In the case of notice to, YES BANK at:

Managing Director and CEO  
YES BANK Limited  
Northern Regional Corporate Office,  
48, Nyaya Marg, Chanakyapuri  
New Delhi 110 021, INDIA

In case of a notice to, CABM at:

Dean,  
College of Agribusiness Management (CABM)  
G.B. Pant University of Agriculture & Technology  
Pantnagar – 263 145, Uttaranchal, INDIA

*SBG*

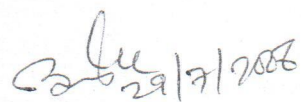


13. Assignment

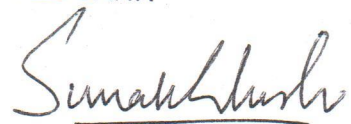
Neither Party may assign or otherwise transfer this MOU, in whole or in part, without the prior written consent of the other Party. Any purported assignment in violation of the preceding sentence will be void and of no effect. This MOU will be binding upon the Parties respective successors and permitted assigns.

Signed by authorized signatories of Parties.


CABM

  
S.C. Pandey  
Comptroller  
Place:  
Date:

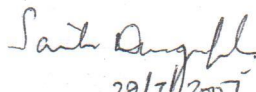
YES BANK

  
Somak Ghosh  
President- Corporate Finance & Development Banking  
Place: Pantnagar  
Date: 29/07/06.

witness:-

(1) H.K. SINGH  
G.M. TDC  
Malde, (USM)   
29/07/06

(2) SAMIK DASGUPTA  
ASST. VICE PRESIDENT,  
YES BANK

  
29/7/2007



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भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

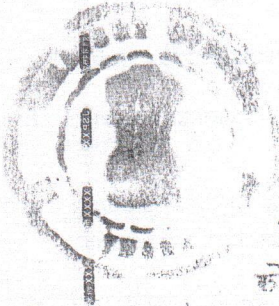
रु. 100

ONE  
HUNDRED RUPEESभारत INDIA  
INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA

17 JUL 2006

T 963575



विक्रीचे ठिकाण : सुनिता सर्व्हिसेस,

दुकान नं. 12, अकता मार्केट, सेक्टर-3, नेरुळ, नवी मुंबई.

दुरध्वनी क्र. २७७०७४२५

अ.नं. 5864 कि.र. 100/-

नाव H.P.C.L.

हस्ते Narul

मुद्रांक प्रमुख सिविक  
होषानगर कार्यालय, ठाणे

V.V. S. S. S.

श्री. विनोद वि. शिंगाडे

मुद्रांक विक्रेता ला.नं. २२/२००३

-6 JUL 2006

### AGREEMENT FOR CULTIVATION OF JATROPHA BY GB PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY, PANTNAGAR

THIS AGREEMENT, dated the 25.9.06 of Sept 2006 entered into between **HINDUSTAN PETROLEUM CORPORATION LIMITED**, a Company incorporated under the Companies Act, 1956 and having its Registered Office at Petroleum House, 17, Jamshedji Tata Road, Mumbai 400 020 and having its Marketing Headquarters at Hindustan Bhawan, 8, Shoorji Vallabhdas Marg, Ballard Estate, Mumbai 400 001 (hereinafter referred to as HPCL, which expression shall, unless repugnant to the context or meaning hereof, be deemed to include its successors and permitted assigns) of the **ONE PART**

AND

**GOVINDH BALLABH PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**, an University established in 1960 under the Uttar Pradesh UPAU Act 1958 ( Act XI - V of 1958) having its Registered Office at Pantnagar, District - Udham

गोविंदभक्त



Singh Nagar, Uttaranchal - 263145 (hereinafter referred to as GBPUAT, which expression shall, unless repugnant to the context or meaning hereof, be deemed to include its successors and permitted assigns) of the **OTHER PART**.

This **AGREEMENT** is in continuation of the **MEMORANDUM OF UNDERSTANDING (MOU)** for **CULTIVATION OF JATROPHA AND ALLIED ACTIVITIES** dated the 20<sup>th</sup> day of January 2006 entered into between **HINDUSTAN PETROLEUM CORPORATION LIMITED** and **GOVINDH BALLABH PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**.

**WHEREAS** both HPCL and GBPUAT agree that it is in their own mutual interest to enter into an Agreement to give effect to this joint programme.

**NOW THIS AGREEMENT WITNESSETH AND RECORDS THE UNDERSTANDING REACHED BETWEEN THE PARTIES HERETO:**

1. This **Agreement** is for the purpose of executing a joint programme for **cultivation of 10 lakh elite Jatropha plants under standard agronomic practices**.

2. The action plan for the above is as under:

- 1) Raising of Nursery – March 2006
- 2) Planting 5 lakh Jatropha saplings – July 2006
- 3) Planting another 5 lakh Jatropha saplings – July 2007

Complete responsibility for these activities is on GBPUAT.


3. Land availability for the plantation of Jatropha will be the sole responsibility of GBPUAT.

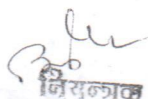
4. Complete agro technology will be disseminated to the growers by GBPUAT through their Directorate of Extension.

5. The seeds produced from the cultivation will be converted into Bio-diesel for HPCL by GBPUAT.

6. Funds to be provided to GBPUAT for the cultivation of 10 lakh plants:

Nursery (10 lakh)	@ Rs. 4.00/plant	=	40.00
Planting (10 lakh)	@ Rs. 6.00/plant	=	60.00
Vehicle (Contractual basis)		=	6.00
Skilled helpers	@ Rs. 6000.00/PM	=	5.76
Office field equipments (including computers & digital camera)		=	4.00
Honorarium		=	1.00
<b>Total</b>		=	<b>116.76</b>



  
जि. क. हल्लन



Funds will be released in two phases to GBPUAT as under:

	Rs.	in lakh
Year 2006 - 07	=	60.38
Year 2007 - 08	=	56.38

7. HPCL shall provide funds equivalent to Rs 116.76 lakh (Rs. One Crore Sixteen Lakh Seventy Six Thousand only) for the above said programme as mentioned above.
8. The activities covered under this Agreement shall be developed through consultation between HPCL and GBPUAT.
9. GBPUAT will provide justifications to HPCL for all the above items i.e. infrastructure, equipments, accessories and others during the project implementation prior to and also after incurring the expenditure.
10. A monitoring team having equal number of members from HPCL / their representatives & GBPUAT will review & monitor the work on half yearly basis and report to Director- Research, GBPUAT & Director - Marketing , HPCL
11. There shall be an Advisory Committee which shall consist of the following members:
  - (1) Director Research, GBPUAT, Pantnagar
  - (2) Director Extension, GBPUAT, Pantnagar
  - (3) Director - Mktg, HPCL, Mumbai- Member
  - (4) General Manager Q.C. & R&D, HPCL, Mumbai – Member
  - (5) Dy. General Manager- R&D, HPCL, Mumbai-Member
  - (6) Co-coordinator – Jatropa , GBPUAT, Pantnagar
12. The Advisory Committee shall review and approve all the activities that will be carried out between GBPUAT and HPCL under this Agreement.
13. Any change/modifications to this Agreement would be effected by both parties on mutual consent in writing.
14. It is fully understood and agreed between both parties that this Agreement is recorded and signed for the sole purpose of advancing their mutual



business/commercial interest and this Agreement in any event will not confer any right to either of them against the other except those specifically mentioned herein.

15. In case of any dispute, the Vice-chancellor, GBPUAT, Pantnagar and Director – Marketing, HPCL, upon mutual consent shall appoint the sole arbitrator whose decision shall be final and binding on both parties. The arbitration shall be governed by the provisions of the Arbitration and Conciliation Act, 1996. The place of arbitration shall be at Pantnagar, district: Udham Singh Nagar, Uttaranchal.

16. This Agreement is for a period of 10 (Ten) years which may be further extended by another 5 (Five) years by mutual consent of both HPCL & GBPUA&T. Neither party shall terminate the Agreement before the end of the validity period mentioned in the Agreement.

17. Indemnity:

GBPUAT shall hold HPCL harmless and indemnify HPCL against any and all liability in the course of performance of the Agreement namely,

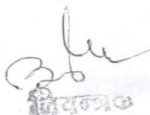
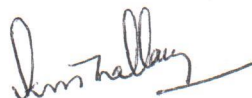
- a) Any death, injury or illness of any employee, Agent or any Contractor of GBPUAT.
- b) Any physical loss or damage to GBPUAT's premises.
- c) Any death, injury or illness of any third party or damage to the property of third party as a result of an accident in GBPUAT's premises.

18. Confidentiality:

18.1 Both the parties and their employees, consultants and agents shall hold in confidence all documents and other information, whether technical or commercial supplied to it by or on behalf of the other Party and all information and documents obtained by it in the course of any inspection or otherwise in accordance with the terms of this Agreement, and shall not, save as required by law or appropriate regulatory authorities, publish or otherwise disclose or use the same for its own purposes otherwise than as may be required to perform its obligations under this Agreement.

18.2 The provisions of paragraph 18.1 above shall not apply to:

- i) Any information in the public domain otherwise than by breach of this Agreement;
- ii) Information in the possession of the receiving Party thereof before divulgence as aforesaid, and which was not obtained under any obligation of confidentiality; and
- iii) Information obtained from a third party who is free to divulge the same, and which is not obtained under any obligation of confidentiality.





19. HPCL shall recover its investment in this project by uplifting entire quantity of Biodiesel produced by GBPUA&T. The profits from the production of Biodiesel will be shared equally by HPCL & GBPUA&T. No other payments will be made against upliftment of Biodiesel by HPCL. The cost of Biodiesel for calculation of recovery of investment by HPCL will be considered as per "Purchase Policy of Biodiesel", announced by MOP&NG" or the mutually agreed price between HPCL & GBPUA&T. The current price of Biodiesel as per Purchase Policy of Biodiesel is Rs. 25/lit.

The profits from the sale of Bio-diesel will be shared by HPCL and GBPUAT equally.

For this purpose HPCL's investment is estimated to be as under:

1. Investment under this Agreement	(Rs. in lakhs)
<b>Total</b>	= 116.76
	= 116.76

The actual cost will be known only after the completion of activities mentioned in Clause 2 of this Agreement and the commissioning of the Pilot Plant.

20. HPCL shall pay service tax, if any, on the services provided by GBPUAT under this Agreement.

21. It shall be HPCL's responsibility to place tank trucks for upliftment of Bio-diesel from the premises of GBPUAT.

22. Specifications of Bio-diesel shall be as per Annexure - I to this Agreement.

23. Insurance

A. GBPUAT shall take adequate insurance policy as required under any law or otherwise for the storage tanks, product and other infrastructure in their premises.

B. "HPCL" shall take insurance policy at their own cost including under the Public Liability Insurance Act, 1991, as applicable. "HPCL" shall also arrange insurance against risk such as fire and explosion, terrorist acts, flood, cyclone, etc. at their own cost for all assets belonging to "HPCL"

24. Notice

25.1 All notices required to be given and approvals required to be obtained from the Parties hereunder shall be given and obtained in writing.

25.2 All notices required to be served by either party hereto upon the other shall be deemed properly served if delivered by post or delivered by hand at the following addresses:



(A) To HPCL

Dy. General Manager – R&D  
Research & Development Centre,  
D- 500 TTC Area of MIDC  
Mumbai - 400705

(A) To GBPUAT

Director – Research  
GBPUA&T, Pantnagar  
Udham Singh Nagar, Uttaranchal  
263145

25. HPCL will have the first "right of refusal" for upliftment / purchase of Bio-diesel after recovering of their investment till this Agreement is in force, including extensions, if any.

26. This Agreement is subject to the approval of the respective Managements of HPCL and GBPUAT.

IN WITNESS WHEREOF the parties hereto have executed this Agreement the day, month and year indicated above.

FOR AND ON BEHALF OF

G B PANT UNIVERSITY OF  
AGRICULTURE & TECHNOLOGY,  
PANTNAGAR

*[Signature]*  
25/11/2008

FOR AND ON BEHALF OF

HINDUSTAN PETROLEUM  
CORPORATION LIMITED,  
MUMBAI

*[Signature]*  
C. S. KRISHNASWAMY

Witnesses:

1. *[Signature]*  
(A. Shukla)

2.

*[Signature]*  
(Sunita T. Pandey)

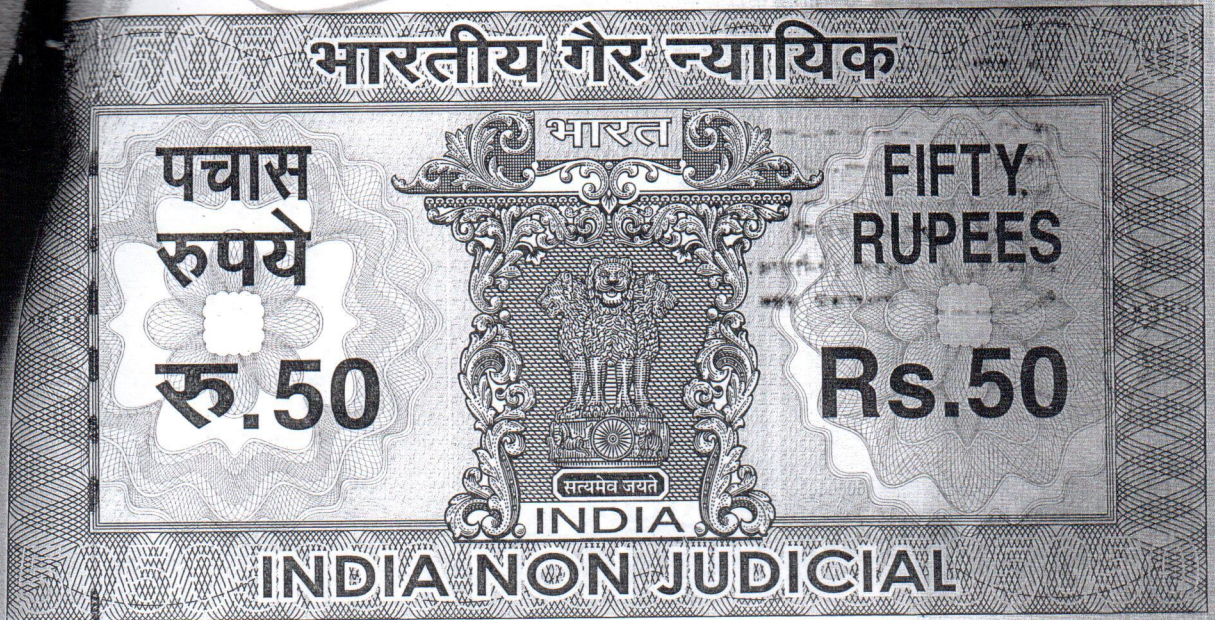
1. *[Signature]*  
(G. BASKARAN)

2. *[Signature]*  
(M. P. Bangwal)

*[Signature]*  
नियन्त्रक



(5031)



उत्तरांचल UTTARANCHAL

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### MEMORANDUM OF UNDERSTANDING

The memorandum of understanding is made at G.B.Pant Agriculture & Technology University, Pantnagar on this... *Twenty fifth* day of *Sept.*... between G.B.Pant college (hereinafter called "the Client" which expression shall unless repugnant to the context thereof include successor-in-office and assigns) of the part and "UTTAR PRADESH RAJKIYA NIRMAN NIGAM LTD" (Herein after called the UPRNN which expression shall unless regugnant to the context thereof include its assigns) of the other part.

WHEREAS at the proposal of the 'client, the UPRNN has agreed to execute Construction of International Hostel at Pantnagar.

- 1- It is understood that ceiling cost of the Project will remain Rs.167.00Lacs as sanctioned vide F.N.-3-19/2005-EP & D Dated 18-01-06 subject that flow of funds is maintained by client as per clause 3 of the memorandum of understanding. In case there is revision of cost due to reasons mentioned below the detailed Project Report will be submitted by UPRNN to the university for sanction from Government.

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परियोजना प्रबंधक  
उपप्रादेशिक निगम लिमिटेड



20. SEP 2006



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- I- Due to change in specification.
- II- Due to extreme increase in site development.
- 2- It is understood that UPRNN shall start actual work only after the "client" has (1) communicated in writing to UPRNN its Administrative and financial sanction of the preliminary estimates based on the estimate approved by the government and (3) within THIRTY (30) days the issue to 'letter of Indent, by the client deposited with UPRNN sufficient advance being not less than 25% of the estimated cost. The UPRNN shall start the work within 30 days with effect from the last date of the three dates as above.
- 3- It is understood that at the time of allotment of work, flow of funds shall be mutually decided in accordance with the expected/desired progress of work (by the client) as per annexure VI.

कर्मचारी  
परियोजना प्रशासक



#### 4- Centage Charges:

It is understood that the construction work will be taken up by the UPRNN as deposit work on the basis of Actual Cost of Labours, Materials, Equipments and all other inputs as defined in Annexure-I which will form the part of this Memorandum of Understanding. The 12.5% (as amended) of the Actual cost will be charged as "Centage Charges" in accordance with Uttar Pradesh Government Order No. A-2—87/ten-97 17(4)/75 dated 27-02-97 a copy of which is enclosed hereto as Annexure II, which will form a part of the Memorandum of Understanding.

#### 5- Project Cost:

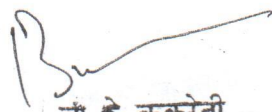
It is understood that the entire work shall completed within stipulated time if not completed due to following reasons:-

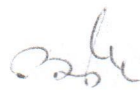
- a- Due to non availability of funds.
- b- Due to non availability of site.

The estimate shall be revised as per PWD specifications and satisfaction of client and revised sanction shall be obtained from the government. If the Final Actual cost is less than the Revised Estimated cost, only the Final Actual cost will be charged. The total present estimated cost of the Project as approved by the Government is Rs. 167.00 lacs. Work shall be carried out as per sanction vide letter no. WP(C)/2010 dated 4/5,7,2006.

#### 6- Time of completion:

- (a) It is understood that the UPRNN shall take up the work in accordance with the priorities indicated in writing by the client and its completion will be governed by a Joint Pert showing the activities of the client (completion period 10 months) and the UPRNN, which will be updated according to the constraints of either party from time to time.
- (b) The UPRNN shall execute and completely finish the project within Stipulated time from the date of receipt of 25% amount of the estimated cost as advance subject to cash flow as per clause-3, above, unless prevented by any Labour Strikes, Fire accident, Earthquake, Mob-violence, attack from the air or any

  
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other major disturbance (force majeure) or any other reasons beyond the control of the UPRNN. In the case of any such event, the UPRNN will obtain written permission from the client for extension of time and completely finish the project within the extended time.

The UPRNN shall also be entitled to get compensation for losses/extra expenditure, if any, incurred due to the damages on account of causes mentioned above, if such causes(s) were not beyond the control of UPRNN. The decision of Managing Director of UPRNN & Vice Chancellor of G.B.Pant Agriculture & Technology University Pantnagar jointly as to whether the causes were not beyond the control of the UPRNN as to the amount of compensation for losses/ extra expenditure shall be binding on the client.

#### 7. Insurance:

In case, the client desires, the UPRNN SHALL MAKE insurance of property against damages, accidents, fire, riots or may act of "GOD" and the charges incurred for this purpose will be included in the 'Actual Cost of the Project'.

#### 8- Terms of Payment – As per <sup>Annex</sup> Flag "A"

#### 9. Accounts:

The Periodical Accounts of the UPRNN are being audited by the Statutory auditors (Chartered Accountants). The UPRNN shall submit to the client such periodical audited accounts of the unit, relating to the work as and when audited in the format enclosed hereto as annexure-III. The final accounts shall be submitted in format enclosed hereto as annexure IV. The client shall also have an access to the books of accounts of UPRNN, in case, if the client deems if necessary.

#### 10- Inspection of work & quality control:

It is understood that the client or any person authorized by it/him not below the rank of Asstt. Director, work and plants may inspect the 'construction work' at any time and from time to time to satisfy itself/himself that the work are being executed by the UPRNN as per drawing and specifications as provided in the Preliminary

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हमदाजी इकाई (जी)

ले. के. ककरेली  
परियोजना प्रबंधक  
30 प्रोग्राम नि. वि. वि.  
हमदाजी इकाई (जी)



Estimate. If any defects or variation made without the written request of the client are found during the inspection, they will have to be rectified by the UPRNN at its own cost on written notice by the client within 30 (Thirty) days from its receipt.

#### 11- Compensation for Damage:

It is understood that the UPRNN shall remain liable to and shall indemnify the client, in respect of losses, damages, or compensation arising out of any accident or injury, sustained by the client or by any workman in the employment of the UPRNN while in or upon the said work or the same arising out of any act., default or negligence, error in judgement on the part of UPRNN, its employees or agents, subject to the determination of the compensation or damage by the competent authority as defined in the relevant laws.

#### 12- Settlement of disputes:

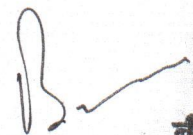
In case of dispute, arising out of this Memorandum of Understanding shall be settled, by both the parties by conciliation/discussion, In the event of non settlement of disputes by discussion/conciliation dispute will be referred to arbitration Vice-chancellor G.B.Pant University of Agriculture and Technology Pantnagar and Managing Director U.P.R.N.N. Ltd. Lko. Will Nominate the two arbitrators and subsequently these arbitrators shall appoint the third arbitrator by Mutual consent.

In witness whereof the parties hereto have set their hands through their authorized representatives on this deed and affixed their seals on date, month and year 5 first above written.

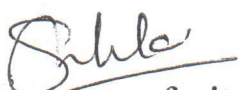
For and on behalf of  
G.B.Pant Agriculture &  
Technology  
University, Pantnagar

  
COMPTROLLER

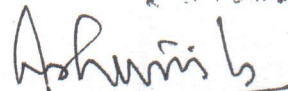
For and on behalf of UPRNN, Ltd.

  
Project Manager  
UPRNN Ltd.  
Haldwani, Unit-

कृष्ण कृष्ण  
परियोजना प्रबंधक  
उपप्रोवाह निगम लि.  
हल्द्वानी इकाई-1

  
In the presence of witness  
A.R. SAKLANI  
A.R.E. (C)

U.P. Rajkiya Nirman Nigam Ltd.  
Haldwani Unit-A

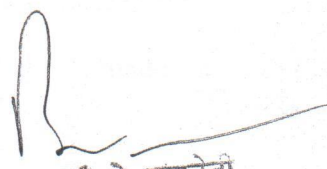
  
In the presence of witness  
D.M.P.



TERMS OF PAYMENT

Sl. No.	Stage of work	Per-centage	Amount (Rs.)	Date of fund requirement
1-	Mobilization advance	25%	41.75	
2-	After completion of work upto plinth level on submission of utilization amounting to 75% of advance amount and physical progress of the work	20%	33.40	
3-	After casting of F.F. roof slab on submission of utilization amounting to 75% of advance amount and physical progress of the work	30%	50.10	
4-	After completion of plaster and flooring on submission of utilization amounting to 75% of advance amount and physical progress of the work	15%	25.05	
5-	After completion of work on submission of utilization amounting to 75% of advance amount and physical progress of the work	10%	16.70	

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 हस्ताक्षर उकाई (म)





उत्तरांचल UTTARANCHAL

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आपसी सहमति का शपथपत्र

1. गोविन्द बल्लभ पंत कृषि एवं प्रौद्योगिक विश्वविद्यालय, पंतनगर (विश्वविद्यालय) एवं सोसायटी फॉर हार्मोनाइजिंग एग्रीकल्चर, पीपल एण्ड एन्वयर्यनमेन्ट (शेप) हल्द्वीखाता (संस्था) द्वारा शैक्षणिक डेरी फार्म, नगला में संचालित केंचुआ पालन परियोजना विश्वविद्यालय एवं संस्था की संयुक्त परियोजना होगी ।
2. विश्वविद्यालय के शैक्षणिक डेरी फार्म द्वारा पूरा गोबर कार्यस्थल के निर्धारित स्थान "जो कि आपसी सहमति द्वारा निर्धारित किया जायेगा" पर उपलब्ध कराया जायेगा ।
3. विश्वविद्यालय के अन्य विभाग द्वारा कृषि अवशेष निर्धारित स्थल "जैविक कचरा एकत्रण चेम्बर" जो संस्था द्वारा बनवाया जायेगा में एकत्रित कराये जायेंगे । जहाँ से कृषि अवशेषों के एकत्रण हेतु संस्था को निःशुल्क स्वीकृति प्रदान कर परमिट जारी कर दिया जायेगा ।
4. परियोजना के संचालन हेतु आवश्यक भूमि (जहाँ पर वर्तमान में परियोजना का कार्य किया जा रहा है) विश्वविद्यालय द्वारा संस्था को कार्य अवधि (6 वर्ष) तक आवंटित की जायेगी, जो कि 4 हैक्टेयर भूमि है ।

R.R.

Shiv Datt Bhandari

S.P. Dabral  
26/10/06

जिंदू सिंह

1 से 4 क्रमशः

26/10/06

COMPTROLLER  
& Tech.  
PANTNAGAR  
S. Nagar



5. परियोजना में प्रयोगार्थ आवश्यक विद्युत विश्वविद्यालय द्वारा निःशुल्क प्रदान की जायेगी ।
6. संस्था के तकनीकी विशेषज्ञों को वर्तमान में मिले आवास व्यवस्था को ही स्वीकृति दी जायेगी ।  
 अ- जिसके नियम एवं शुल्क विश्वविद्यालय नियमानुसार होगी ।  
 ब- संस्था को उसके कर्मचारियों के आवास हेतु सामूहिक आवास के लिये स्थान उपलब्ध कराया जायेगा जिसके लिये विश्वविद्यालय टोकन राशि के रूप में एक रूपया प्रतिवर्ष शुल्क लेगा ।  
 स- आवासों पर उपयोग में ली गई विद्युत एवं जल का पूरा खर्च संस्था विश्वविद्यालय नियमों के अनुसार विश्वविद्यालय को देगा ।
7. योजना के सफल संचालन हेतु श्रमिकों एवं चालक पर होने वाले अनुमानित व्यय रू० 80,000.00 प्रतिमाह में से रू० 50,000.00 विश्वविद्यालय द्वारा संस्था को प्रत्येक माह के अन्तिम सप्ताह में देय होंगे जो कि संस्था को देय धनराशि से यथा समय समायोजित की जायेगी ये बाध्यता विश्वविद्यालय के केंचुआ पालन इकाई के चक्रीय निधि में धन की उपलब्धता पर निर्भर करेगी ।
8. वर्तमान में केंचुआ पालन इकाई में उपलब्ध समस्त सामान, कृषि यंत्र, उपकरण, सामाग्री, मशीनरी आदि विश्वविद्यालय द्वारा संस्था को दिये जायेंगे । उपरोक्त सामाग्री के खराब होने पर या योजना की अवधि पूर्ण होने पर संस्था द्वारा पुनः विश्वविद्यालय को सौंप दिये जायेंगे । अन्य आवश्यक सामाग्री की व्यवस्था संस्था द्वारा स्वयं किया जायेगा ।
9. योजना हेतु संस्था द्वारा क्रय किये जाने वाले यंत्र, उपकरण, टैक्टर, मशीनरी आदि "जो स्थाई रूप से स्थापित न हो" योजना अवधि के उपरान्त ले जाया जायेगा ।
10. परियोजना के संचालन अवधि में संस्था एवं विश्वविद्यालय के मध्य सामंजस्य एवं परियोजना में प्रयुक्त समस्त उपकरण, सामाग्री एवं उत्पादों के रिकार्ड हेतु विश्वविद्यालय का एक कर्मचारी जो कि सुपरवाइजर श्रेणी का हो, विश्वविद्यालय द्वारा नियुक्त किया जायेगा ।
11. संस्था द्वारा विश्वविद्यालय से परियोजना के उत्पादों का मूल्य आंकलन कर उसमें से अपने लाभांश कम करके सीधे क्रय किया जा सकता है ।
12. संस्था द्वारा विश्वविद्यालय को डेरी व्यर्थ, कृषि एवं वानिकी अवशेष के पुनःचक्रण द्वारा उत्पादित वर्मी कम्पोस्ट, वर्मीवाश, केंचुआ आदि उत्पाद उपलब्ध कराये जायेंगे जिसके उत्पादन प्रक्रिया में विश्वविद्यालय एवं उसके पदाधिकारियों का कोई हस्तक्षेप नहीं होगा । अन्य विधियों द्वारा उत्पादों की गुणवत्ता वृद्धि हेतु संस्था द्वारा आवश्यक कार्यवाही विश्वविद्यालय के सुझाव के अनुसार किये जा सकते हैं ।

*R. R.*

*Shiv Dutt Bhandari*

*S. P. Dabral*

*जितेंद्र सिंह*

*26/10/06*



13. उत्पादों के विक्री एवं आय हेतु बिल, रसीद एवं गेट पास प्रक्रिया का सरलीकरण आपसी सहमति से किया जायेगा ।
14. केंचुआ पालन, वर्मी कम्पोस्ट उत्पादन योजना पर आधारित अन्य संस्थाओं एवं विभागों से प्रस्तावित समस्त कार्य विश्वविद्यालय द्वारा संस्था को दिये जायेंगे । प्रस्तावित योजनाओं से प्राप्त होने वाले परामर्श शुल्क का 75 प्रतिशत संस्था का होगा । शेष 25 प्रतिशत विश्वविद्यालय का होगा, जिसे आपसी सहमति से परियोजना कार्य की सफलता हेतु व्यय किया जायेगा ।
15. संस्था द्वारा किसी भी संस्था या विभाग (सरकारी या गैर सरकारी) उद्यम एवं उससे संबंधित योजना हेतु अनुदान राशि लायी जाती है, तो योजना के संचालन हेतु विश्वविद्यालय द्वारा स्वीकृति प्रदान की जायेगी । उस योजना का संचालन, क्रियान्वयन एवं स्थापना संस्था द्वारा अपने श्रोतों से किया जायेगा ।
16. आवश्यकता पड़ने पर संस्था विश्वविद्यालय से उद्यम के किसी भी कार्य हेतु आवश्यक उपकरण सहित टैक्टर विश्वविद्यालय के नियमानुसार ले सकती है ।
17. परियोजना की सफलता हेतु विश्वविद्यालय के पदाधिकारियों एवं संस्था की बैठक त्रैमासिक अन्तराल पर होगी ।
18. उत्पादों का जैविक प्रमाणीकरण, बिक्री लाइसेन्स, सम्भावित कर आदि सभी प्रकार के शुल्क विश्वविद्यालय द्वारा स्वयं वहन किये जायेंगे ।
19. सिंचाई हेतु संस्था द्वारा आवंटित कार्य स्थल में ट्यूबवैल लगाया जायेगा । लेकिन यदि कार्य स्थल में ट्यूबवैल सफल नहीं होता तो विश्वविद्यालय के वर्तमान सुविधाओं से पानी की व्यवस्था संस्था को स्वयं करनी होगी । लेकिन इन परिवर्तनों से शैक्षणिक डेरी फार्म को किसी तरह का व्यवधान नहीं होना चाहिये ।
20. उत्पादन, विक्री एवं आय के अनुसार बाजार व्यवस्था, लाभांश का प्रतिशत विश्वविद्यालय व संस्था के तकनीकी विशेषज्ञों द्वारा छः माह बाद भी पुनः निर्धारित किये जा सकते हैं जिससे परियोजना का संचालन सुचारु रूप से हो सके ।
21. संस्था द्वारा विभिन्न विधियों द्वारा उत्पाद की गुणवत्ता वृद्धि की जा सकती है ।
22. उत्पाद के भण्डारण हेतु उचित व्यवस्था विश्वविद्यालय को स्वयं करनी होगी ।
23. संस्था को तकनीकी, प्रबन्धन एवं क्रियान्वयन शुल्क (योजना के प्रारूप विन्दु 10 के अनुसार) का भुगतान केंचुआ खाद परियोजना के चक्रय निधि में उपलब्ध धनराशि से प्राथमिकता के आधार पर एक माह के अन्दर विश्वविद्यालय द्वारा किया जायेगा ।

*[Signature]*

Shiv Datt Bhandari

जितेन्द्र सिंह

B.P. Dabral

26/10/06

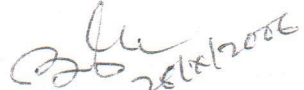
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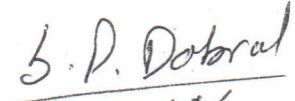
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26/10/06




24. इस परियोजना से संबंधित कर्मचारी, श्रमिक या अन्य व्यक्ति किसी भी रूप में विश्वविद्यालय कर्मचारी नहीं माने जायेंगे ।
25. इस परियोजना से संबंधित प्रत्येक कर्मचारी अपना-अपना पहचान पत्र विश्वविद्यालय के सुरक्षा विभाग से अपने व्यय पर बनवायेगा । विश्वविद्यालय के अधिकारियों के माँग पर उसे जाँच हेतु प्रस्तुत करेगा ।
26. परियोजना के सफल संचालन हेतु कार्य अवधि कम से कम छः वर्ष होगी । उत्पादन, बाजार व्यवस्था, निस्तारण, आय आदि के सुचारु रूप से चलने पर परियोजना अवधि बढ़ाई जा सकती है ।
27. उत्पादन वर्ष अवधि परियोजना शुरू होने के 4 माह बाद से माना जायेगा क्योंकि प्रथम चक्र व छनाई आदि हेतु कम से कम 4 माह का समय आवश्यक है । परियोजना अवधि के पूर्ण होने के बाद 4 माह तक उत्पादन संस्था द्वारा ही किया माना जायेगा ।
28. योजना से सम्बन्धित प्रशिक्षण, कार्यशाला आदि हेतु प्रशिक्षण हॉल, प्रशिक्षणार्थियों हेतु अतिथि गृह संस्था को विश्वविद्यालय द्वारा नियमानुसार स्वीकृति प्रदान की जायेगी जिससे कृषि अवशेष पुनःचक्रण की इस विधि को और बढ़ाया जा सके ।

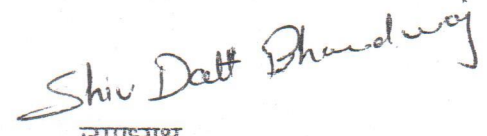
  
 वित्त निबंधक ROLLER  
 गो.ब.पंत कृषि एवं प्रौ. विश्वविद्यालय, पंतनगर  
 जिला-उधम सिंह नगर (उत्तरांचल) 263145


  
 26/10/06  
 सचिव  
 सोसायटी फॉर हार्मोनाइजिंग एग्रीकल्चर, पीपल  
 एण्ड एन्वार्यनमेन्ट (शेप), ग्राम- हल्दूखाता, पो0  
 कलालघाटी, पौड़ी गढ़वाल (उत्तरांचल) 246149

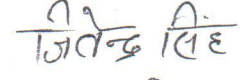
गवाह:-

  
 अधिष्ठाता  
 पशु चिकित्सा एवं पशु पालन विज्ञान महाविद्यालय  
 गो.ब.पंत कृषि एवं प्रौ. विश्वविद्यालय, पंतनगर

गवाह:-

  
 उपाध्यक्ष  
 सोसायटी फॉर हार्मोनाइजिंग एग्रीकल्चर, पीपल  
 एण्ड एन्वार्यनमेन्ट (शेप), ग्राम- हल्दूखाता

  
 संयुक्त निदेशक  
 शैक्षणिक डेरी फार्म, नगला  
 गो.ब.पंत कृषि एवं प्रौ. विश्वविद्यालय, पंतनगर

  
 उप सचिव  
 सोसायटी फॉर हार्मोनाइजिंग एग्रीकल्चर, पीपल  
 एण्ड एन्वार्यनमेन्ट (शेप), ग्राम- हल्दूखाता



5070



Founder  
H.H. DR. S. RAMA

**HIMALAYAN INSTITUTE HOSPITAL TRUST**  
**RURAL DEVELOPMENT INSTITUTE**  
SWAMI RAMA NAGAR, P.O. DOIWALA, DEHRADUN - 248140  
UTTARANCHAL, INDIA

HIHT/RDI/ 553

December 15, 2006

To,

Dr. K.P. Singh  
Director Extension Education  
G.B. Pant University of Agriculture & Technology  
Pantnagar 263 145

Dear Sir,

We are hereby sending original copy of the signed MOU of ISRO-VRC programme for your record. Kindly acknowledge the receipt of the same.

Thank you,

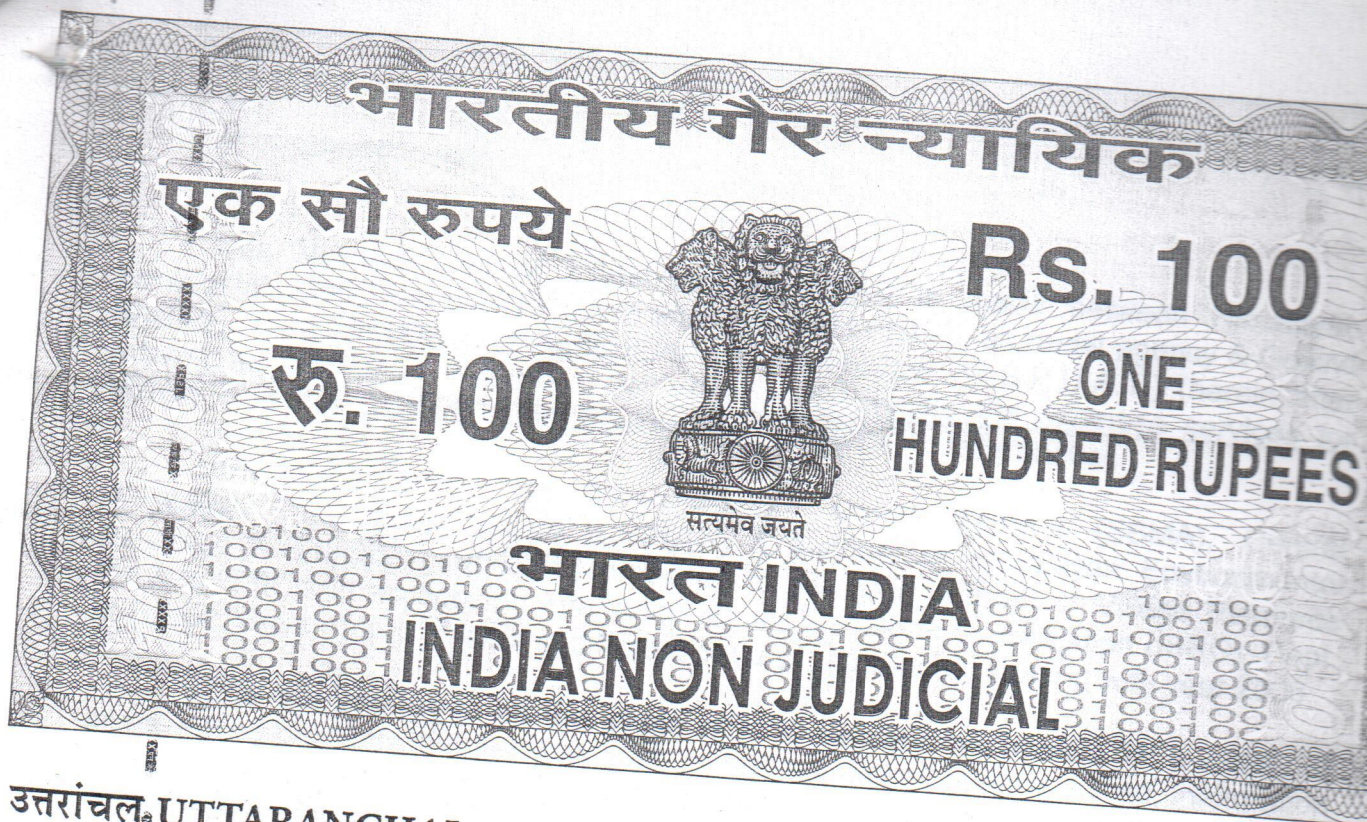
Yours Sincerely,

*Maithili*

(B. Maithili)  
Director

Encl: As Above





उत्तरांचल UTTARANCHAL

MOU between Himalayan Institute Hospital Trust (H.I.H.T.) & Govind Bhallabh Pant University of Agriculture and Technology (G.B.P.U.A.T.), Pantnagar

*Memorandum of Understanding (MOU) between Himalayan Institute Hospital Trust (HIHT) as nodal agency & Govind Bhallabh Pant University of Agriculture and Technology (GBPUAT), Pantnagar for cooperating in the Village Resource Center (VRC) Programme in Uttaraanchal*

...In Continuation with



*in continuation with...*

This Memorandum of Understanding (MOU) is made between Himalayan Institute Hospital Trust (HIHT) (herein after referred to HIHT) as nodal agency & Govind Bhallabh Pant University of Agriculture and Technology (G.B.P.U.A.T.) (herein after referred to GBPUAT), Pantnagar for offering/ committing the expertise services for Village Resource Centers (herein after referred to VRCs) in Uttaranchal.

WHEREAS, HIHT, Sri Bhuvaneshwari Mahila Ashram (SBMA), Central Himalayan Rural Action Group (CHIRAG) & Institute of Himalayan Environmental Research & Education (INHERE) proposes to set up a number of Village Resource Centers (VRCs) in association with Indian Space Research Organization (ISRO), Dept. of Space, Government of India in different parts of Uttaranchal starting with year 2006.

VRCs are envisaged as the single window delivery mechanism for a variety of space based products and services such as tele-education, tele-medicines, information on natural resources for planning and development at locale level, interactive advisories on agriculture, fisheries, land and water resource management, disaster management, livestock management; etc., interactive vocational training towards alternate livelihood, e-governance services, weather information, etc. The VRCs will also address variety of social aspects locally and even act as help lines.

WHEREAS, VRCs will be provided with satellite connectivity for tele-education, tele-medicine, natural resource management and related activities by Indian Space Research Organization (ISRO), Dept. of Space, Government of India.

WHEREAS GBPUAT located at Pantnagar has technical expertise in the field of agriculture, and it would be to the advantage of the VRC programme, if GBPUAT were to be associated with this programme for interactive advisories on agriculture, fisheries, land and water resource management, disaster management, livestock management purposes:

WHEREAS each of signatories to this MOU agree to co-operate in the establishment and management of the VRCs, specifically for tele-agriculture services to VRCs.

AND WHEREAS, the specific role and responsibilities of, and financial implications on each of the signatories to this MOU for the establishment and management of the VRCs referred to hereinabove, shall be discussed and finalized mutually.



In witness whereof the undersigned, duly authorized thereto, have signed this MOU.

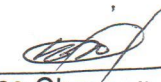
Signed at Pantnagar on the 28<sup>th</sup> day of October Two thousand and six, in  
Twelve originals.

For and on behalf of HIHT



Dr. V. Chauhan  
Secretary,  
Himalayan Institute Hospital Trust  
Doiwala, Dehradun

For and on behalf of G. B. Pant  
University of Ag. & Tech. Pantnagar,

  
for Vice Chancellor DEE  
G. B. Pant Agriculture University  
Pant Nagar (U.S. Nagar)



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## **MEMORANDUM OF UNDERSTANDING**

Between

**G.B.PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY,  
Pantnagar - 263145 , Dist. Udham Singh Nagar, Uttaranchal (India)**

And

### **COLLEGE OF AGRICULTURE AND LIFE SCIENCES CORNELL UNIVERSITY**

Ithaca, New York  
United State of America

In order to facilitate international academic exchange, to develop academic and scientific relationships, and in support of collaborative research activities G.B.Pant University of Agriculture and Technology (GBPUAT) and Cornell University's College of Agriculture and Life Sciences (CALS) agree to establish this Memorandum of Understanding (MOU) as a framework for cooperative programs.

#### **ARTICLE I**

##### **University Personnel Exchange and Visits**

It is agreed that linkages will be strengthened by university personnel visits and exchanges between the collaborating institutions. The purpose is to exchange scientific information and develop specific cooperative projects and programs. Arrangements for each such visit will be made under the aegis of the institutions. Purpose, timing and other details concerning exchanges and short visits shall be mutually acceptable to the institutions. It is agreed that information concerning the purpose and duration of faculty and/or student visits, the research backgrounds of personnel and further details, as required, will be provided to the host institution at least two months prior to the proposed visit.

#### **ARTICLE II**

##### **Cooperative Research**

It is recognized that significant opportunities will exist for cooperative research at the collaborating institutions. Such clearly beneficial activities may require specific arrangements. In view of the importance of cooperative research, collaborating institutions agree to give a high priority to this within their overall relationships.

#### **ARTICLE III**

##### **Areas of Academic Interest**

Every effort will be made to encourage productive relationships and exchanges in all agricultural related fields identified by interested members of collaborating institutions.

#### **ARTICLE IV**

##### **Post Graduate Degree Training**

The collaborating institutions recognize that there are considerable benefits when graduate students are provided with opportunities for conducting at least some of their research abroad. Efforts will



be made, accordingly, to expand opportunities toward this objective. Arrangements to this end will be considered initially on a case-by-case basis. It is agreed that as much as practicable, graduate-level research and training will be considered an essential component for inclusion in externally funded projects. Short-term, non-degree training will also be considered as part of this agreement.

With respect to student programs, the acceptance of students for research, course work or full programs will be dependent on meeting the academic criteria of the host institution, and on visa and other requirements of the host country.

#### **ARTICLE V** **Exchange of Scientific Materials**

Collaborating parties agree to exchange as widely as is practicable such items as scientific publications and journals, university calendars, prospectuses, text books, course outlines and reference materials.

#### **ARTICLE VI** **Duration of MOU**

This MOU shall come into effect when signed by all parties and have a duration of five years, after which extension, modification or other changes may be made as agreed to by all parties. Within the initial five-year period, the terms of the Memorandum of Understanding may be altered or terminated as required, subject to approval by each institution.

#### **ARTICLE VII** **Procedures**

The administration of this MOU will be the responsibility of the International Programs/CALS at Cornell University. **Dr. Ronnie Coffman** will be the primary contact at Cornell. The **Vice Chancellor** of GBPUAT, will serve as the primary contact at GBPUAT, Pantnagar - 263145, Dist. Udham Singh Nagar, Uttaranchal (India).

In witness whereof the undersigned, representing their respective institutions, hereby sign and approve this Memorandum of Understanding in duplicate, one copy for every signing party.

#### **SIGNED:**

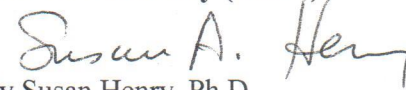
**G.B.Pant University of Agriculture & Technology**

(GBPUAT)

By  Dr. P.L. Gautam

Title: Vice Chancellor

**Cornell University (CALS)**



By Susan Henry, Ph.D.

Title: Professor and Ronald P. Lynch Dean

Date 07/01/07

Date Dec 20, 2006