

D.No. 202  
01/09/2020  
ARIS CWA

## निविदा आमंत्रण सूचना संख्या. 01 वर्ष 2020-21

कार्यपालक अभियंता (भवन एवं आधारभूत संरचना)

डा. राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय, पूसा समस्तीपुर (बिहार)

1. विज्ञापन दाता का नाम	:- कार्यपालक अभियंता (भवन एवं आधारभूत संरचना), डा0 राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय पूसा समस्तीपुर ( बिहार )
2. परिमाण विपत्र डाउनलोड करने की तिथि एवं स्थान	:- दिनांक 31.08.2020 से विश्वविद्यालय वेबसाइट <a href="http://www.rpcau.ac.in">www.rpcau.ac.in</a> पर डाउनलोड करने हेतु उपलब्ध।
3. निविदा प्राप्ति की तिथि एवं समय	:- दिनांक 15.09.2020 को 10:00 बजे पूर्वहिन से 4:00 बजे अपराहन तक।
4. निविदा प्राप्ति का स्थान	:- कार्यालय, कार्यपालक अभियंता, (भवन एवं आधारभूत संरचना), डा0 राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय पूसा समस्तीपुर (बिहार)
5. तकनीकी बीड खोलने की तिथि/समय	:- विश्वविद्यालय के वेबसाइट पर सूचित किया जाएगा।
6. वित्तीय बीड खोलने की तिथि/समय	:- तकनीकी बीड मूल्यांकन के उपरान्त विश्वविद्यालय वेबसाइट <a href="http://www.rpcau.ac.in">www.rpcau.ac.in</a> पर सूचित किया जायगा।
7. निविदा की वैधता	:- 120 दिन
8. परिमाण विपत्र का मूल्य पंजाब नेशनल बैंक, पूसा समस्तीपुर में भुगतान एवं राष्ट्रीयकृत बैंक के किसी भी शाखा से DD/RTGS/NEFT के द्वारा कार्यपालक अभियंता, भवन एवं आधारभूत संरचना, राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय पूसा समस्तीपुर के नाम से जमा करना है	
9. जिन संवेदक के पास बिहार सरकार के अधीन किसी भी प्रमण्डल या डा0 राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय पूसा समस्तीपुर में कार्य लंबित होगा या उनके पक्ष में निष्पादित निविदा के लिए एकरारनामा कर कार्य प्रारंभ नहीं किया जा रहा होगा तो उन्हें निविदा में भाग नहीं लेना है, उनके निविदा पर विचार नहीं होगा। उपरोक्त आशय का शपथ-पत्र मूलप्रति लिफाफा (A) में डालना अनिवार्य है।	

### 10. कार्य की विवरणी

Sl. No.	Name of work	Estimated Cost (In Rs)	E.M Cost (In Rs)	Cost of BOQ (In Rs.)	Time of Completion
1.	Construction of Administrative Building at KVKs (Lada, Narkatiyaganj, Sukhet, Madhopur) & Farmer Hostel at KVKs (Lada, Narkatiyaganj, Sukhet) under Dr. RPCAU Pusa.	9,61,71,277.00	19,23,500.00	5000.00	15 Months (including rainy season)

Terms & Conditions may be seen on University website: [www.rpcau.ac.in](http://www.rpcau.ac.in)

- वैसे संवेदक निविदा में भाग लेने से वंचित हैं (डिबार्) जिन पर किसी कारणवश पूर्व से आवंटित योजना का कार्य लंबित चल रहा है। जो आवंटित कार्य का एकरारनामा नहीं किए हैं या फिर शुरू नहीं किए हैं, निविदा में भाग लेने के पात्र नहीं होंगे। निविदा निस्तार के एक सप्ताह के अंदर एकरारनामा करना अनिवार्य होगा। ससमय एकरारनामा नहीं करने पर कार्य का दावा समाप्त हो जाएगा और द्वितीय न्यूनतम निविदाता को कार्य आवंटित किया जा सकता है।
- एकरारनामा नहीं होने तक संबंधित कार्य के अन्य निविदादाताओं के अग्रघन की राशि को नहीं लौटाया जाएगा। परिमाण विपत्र की राशि घट या बढ़ सकती है। फलस्वरूप, अग्रघन की राशि घट या बढ़ सकती है।
- निविदा कागजात के साथ समुचित श्रेणी में निबंधन की स्वप्रमाणित छाया प्रति, वस्तु एवं सेवा कर का निबंधन प्रमाण पत्र की स्वप्रमाणित छाया प्रति, आयकर प्रमाण पत्र की स्वप्रमाणित छाया प्रति, अद्यतन श्रम अनुज्ञप्ति प्रमाण पत्र की स्वप्रमाणित छाया प्रति एवं अद्यतन चरित्र प्रमाण पत्र की स्वप्रमाणित छाया प्रति संलग्न करना अनिवार्य होगा।
- सशर्त निविदा अमान्य होगी।
- आवंटन उपलब्ध होने पर ही भुगतान किया जाएगा।
- अग्रघन कि राशि Banker cheque/DD of any Nationalized/scheduled Private sector Bank के रूप में कार्यपालक अभियंता भवन एवं आधारभूत संरचना, राजेन्द्र कृषि विश्वविद्यालय, पूसा समस्तीपुर (Bank A/C No: 4512002100000063, IFSC Code: PUNB0451200) के पद नाम से जमा करना है, तथा इसका प्रमाण पत्र निविदा के साथ संलग्न करना अनिवार्य है।
- अधोहस्ताक्षरी को निविदा बिना कारण बताये रद्द करने का अधिकार सुरक्षित है।
- विशेष जानकारी के लिए अधोहस्ताक्षरी के कार्यालय में कार्य दिवस में सम्पर्क किया जा सकता है।
- परिमाण विपत्र प्राप्ति की तिथि के दिन अवकाश हो जाने की स्थिति में अगले कार्य दिवस को प्राप्ति की कार्यवाई होगी।
- 10 प्रतिशत से ज्यादा कम दर उद्धृत रहने वाले निविदाएँ अमान्य होंगी अर्थात् परिमाण विपत्र से 10 प्रतिशत से अधिक कम दर होने पर निविदा अमान्य समझी जाएगी।
- निविदा विपत्र विश्वविद्यालय वेबसाइट [www.rpcau.ac.in](http://www.rpcau.ac.in) पर से डाउनलोड करना अनिवार्य है।
- लिफाफा ( A ) तकनीकी बीड में, निविदा विपत्र का मूल्य, शपथ-पत्र मूलरूप में, निविदा विपत्र, समुचित श्रेणी में निबंधन की स्वप्रमाणित छाया प्रति, वस्तु सेवा कर निबंधन प्रमाण पत्र की स्वप्रमाणित छाया प्रति, आयकर प्रमाण पत्र की स्वप्रमाणित छाया प्रति, अद्यतन श्रम अनुज्ञप्ति प्रमाण पत्र की स्वप्रमाणित छाया प्रति, अद्यतन चरित्र प्रमाण पत्र की स्वप्रमाणित छाया प्रति एवं अन्य कागजातों की स्वप्रमाणित छाया प्रति को डाल कर सिल कराना तथा लिफाफा पर तकनीकी बीड ( A ) लिखना अनिवार्य है। लिफाफे पर तकनीकी बीड ( A ) लिखा नहीं होने पर निविदा रद्द कर दिया

जाएगा। तकनीकी बीड ( A ) को खोलने पर निविदा विपत्र का मूल एवं शपथ-पत्र मूलरूप में नहीं मिलने पर लिफाफा ( B ) वित्तीय बीड नहीं खोला जाएगा।

23. लिफाफा ( B ) वित्तीय बीड में परिमाण विपत्र के साथ संलग्न दर से संबंधित प्रारूप को भरकर डालना है। लिफाफा पर वित्तीय बीड ( B ) लिखना अनिवार्य है।
24. लिफाफा ( C ) में, लिफाफा ( B ) वित्तीय बीड एवं लिफाफा ( A ) तकनीकी बीड को डाल कर सिल करना तथा लिफाफा ( C ) पर ग्रुप संख्या, कार्य का नाम तथा निविदादाता का नाम-पता, मो 0 न0 लिखना अनिवार्य है, लिफाफे पर ( C ) और ग्रुप संख्या नहीं लिखा होने पर निविदा रद्द कर दिया जाएगा।



कार्यपालक अभियंता (अ0)

भवन एवं आधारभूत संरचना

डा0 राजेन्द्रप्रसादकेन्द्रीय कृषिविश्वविद्यालय

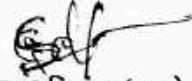
पूसा समस्तीपूर ( बिहार )

311

Memo No. ~~320~~ 311 /E.E.(B&I) Dr. R.P.C.A.U Pusa

Date 29-08-2020

Copy forwarded to D.(B&I) / D.(P&F) / Comptroller / Assistant Engineer / Assistant Comptroller for information and wide publicity.



कार्यपालक अभियंता (अ0)

भवन एवं आधारभूत संरचना

डा0 राजेन्द्रप्रसादकेन्द्रीय कृषिविश्वविद्यालय

पूसा समस्तीपूर ( बिहार )

Memo No. 311 /E.E.(B&I) Dr. R.P.C.A.U Pusa

Date 29-08-2020

Copy forwarded to Officer In- charge, University Website. He is requested to please put it in Official Website of the University.

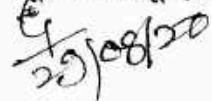


कार्यपालक अभियंता (अ0)

भवन एवं आधारभूत संरचना

डा0 राजेन्द्रप्रसादकेन्द्रीय कृषिविश्वविद्यालय

पूसा समस्तीपूर ( बिहार )



# TENDER DOCUMENT

for

Construction of Proposed Administrative Building &  
Farmer Hostel at KVKs, under Dr. R.P.C.A. University,  
Pusa (Samastipur), Bihar



Owner:

Dr. Rajendra Prasad Central Agricultural University,  
Pusa (Samastipur), Bihar

Name of Contractor

\_\_\_\_\_

Date of application & receipt

\_\_\_\_\_

Tender issued on

\_\_\_\_\_

Date of receipt of tender

\_\_\_\_\_

# INDEX

## Volume-I

Sl. No.	Section	Description	Page No.
1.	Section-I	Notice Inviting Tender	4-5
2.	Section-II	Pre-Qualification Criteria	6-7
3.	Section-III	Instructions to Bidders	8-27
4.	Section-IV	Special Conditions of Contract	28-29
5.	Section-V	Technical Specifications	**
		List of Approved Makes	
6.	Section-VI	Drawings	
7.	Section-VII	Bill Of Quantity	30-56

\*\* May be obtain from office of the Executive Engineer during working hour.

## Volume-II

1.		Price Bid	57-58
----	--	-----------	-------



DR. RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY

Pusa, Samastipur, Bihar -848125

05274-241721

WEBSITE: <https://www.rpcau.ac.in/>

# VOLUME -I

Construction of Proposed Administrative building & Farmer Hostel at KVKs under Dr.  
Rajendra Prasad Central Agricultural University, Pusa (Samastipur) Bihar

## SECTION-I

## NOTICE INVITING TENDER



**DR. RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY**

Pusa, Samastipur, Bihar -848125

**WEBSITE:** <https://www.rpcau.ac.in/>

NIT No.: 01/2020-21

Dated: 31-08-2020

**NOTICE INVITING TENDER**

Dr. Rajendra Prasad Central Agricultural University, Pusa (Samastipur) invites sealed percentage rate tenders for different site under two bid systems (one envelope for technical bid and other for financial bid) from the experienced and financially as well as technically sound agencies working in Central /PSU/State Government Departments of National repute for Construction of Proposed Administrative Building & Farmers Hostel at KVKs under Dr. R.P.C.A. University, Pusa (Samastipur), Bihar

Sl. No	Name of Site/Premises	Approx. Estimated Cost (in Rs.)	EMD (in Rs.)	Cost of BOQ (in Rs.)	Completion Period
1.	Construction of Administrative Building at KVKs (Lada, Narkatiyaganj, Sukhet, Madhopur) & Farmer Hostel at KVKs (Lada, Narkatiyaganj, Sukhet) under Dr. RPCAU Pusa.	9,61,71,277.00	19,23,500.00	5000.00	15 Months (including rainy season)

2. Earnest money to be deposited in the form of Banker's Cheque / Demand Draft of Nationalized / Scheduled Private Sector Bank in favour of Executive Engineer (B&I) Dr. R.P.C.A. University, Pusa (Samastipur) (A/C No: 4512002100000063, IFSC Code: PUNB0451200) payable at PNB Pusa. The EMD in any other form shall not be accepted.

3. Cost of BOQ to be posited in form of DD/RTGS/NEFT of Rupees 5000.00 in favour of Executive Engineer (B&I) at Dr. RPCAU Pusa.

4. Validity of Tender will be 120 days.

5. Validity of EMD will be 90 days.

6. Tender documents can be downloaded from DR. R.P.C.A. UNIVERSITY, PUSA website: [www.rpcau.ac.in](http://www.rpcau.ac.in) up to 14.09.2020 till 5.00 PM Hrs. The tender without requisite EMD and tender processing fee (in case of downloaded tender) shall be rejected out rightly.

7. Sealed tenders will be received up to 15.09.2020 Hrs. of 4.00 PM at office of the Executive Engineer (B&I) at Dr. RPCAU Pusa, Samastipur.

8. Date & Time to open the technical bid will be notified on our website up to date 14.09.2020.

9. The date of opening of price bid shall be intimated to the qualified agencies separately.

10. Any corrigendum/addendum/errata in respect of the above tender shall be made available only at our official website [www.rpcau.ac.in](http://www.rpcau.ac.in). No further press advertisement will be given. Hence prospective bidders are advised to visit our official website regularly for above purpose.

Dr. Rajendra Prasad Central Agricultural University, Pusa

Copy forwarded to:

1. Hon'ble Vice Chancellor – Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, (Bihar) for his kind information please.



## SECTION-II

### PRE-QUALIFICATION CRITERIA

The intending bidder should fulfill the following minimum pre-qualification criteria:

1. **Turnover:** Average Annual Financial Turnover on construction works during the last three years, ending 31<sup>st</sup> March of the previous financial year i.e. 2019-20 should be at least 100% of the estimated cost. Applicant has to attach the Balance Sheet along with profit & loss statement duly certified by Chartered Accountant for last three years.
2. **Experience:** Bidder should have the experience of completion of similar works during last 7 years ending last day of month previous to the one in which tenders are invited should be either of the following:
  - (a) Three similar completed works each costing not less than the amount equal to 40% of the estimated cost,
  - or
  - (b) Two similar completed works each costing not less than the amount equal to 60% of the estimated cost,
  - or
  - (c) One similar completed work costing not less than the amount equal to 80% of the estimated cost.
3. **Similar works meaning:** Construction & Repair/Renovation works of Institutional Buildings or Residential Buildings including services like electrification, sanitary & water supply, drainage etc. from Central / State Govt. Departments / PSUs and/or Autonomous Bodies. Completion certificate needs to be enclosed.
4. **Profitability:** The applicant should be a profit (net) making firm as on 31.03.2019. Applicant should not have incurred any loss in the last 2 (two) consecutive financial years or any three out of last five years ending 31<sup>st</sup> March, 2019. Applicant has to attach the audited annual reports for last five years duly certified by Chartered Accountant.
5. **EPF Registration:** Bidder must have valid EPF Registration.
6. **Implementation of ESI Registration:** Bidder must have valid ESI Registration.
7. **Mobile Batching Plant 4 cum capacity 2 numbers must have own Registration.**
8. **Poclain/Excavator 2 numbers must have own Registration.**
9. **Service Tax Registration:** Bidder must have valid Service Tax Registration.
10. **GST Registration:** Bidder must have valid GST Registration of Bihar State.
11. **Joint Venture:** Joint Ventures are not permitted.
12. **Bid Capacity:** Agencies who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the total bid value. The available bid capacity will be calculated as under:

$$\text{Assessed available bid capacity} = (A \times N \times 2) \div B$$

N = Number of years rounded up to first decimal prescribed for completion of the subject contract.

A = Maximum value of works executed in anyone year during last five years (up dated to the price level of current financial year with percentage stated in the

Sign. & Seal Of Bidder



PQ document)

B = Value at current price level of existing commitments and ongoing works to be completed in the next 'N' years.

13. If required the nature of foundation will be decided as per site condition by Engineer in-charge during execution.
14. DR. R.P.C.A.U, PUSA reserve the right to reject any or all applications without assigning any reason thereof.
15. The issuance of tender document does not mean the agency has been technically qualified. Hence agencies/bidders are advised to submit all the relevant documents/ credentials required in tender for technical qualification along with their bid. Tender documents can also be downloaded from our official website [www.rpcau.ac.in](http://www.rpcau.ac.in) and the agencies fulfilling the requirements may submit the tender along with EMD in form of DD/RTGS/NEFT of Rs: 19,23,929.00 in favour of Executive Engineer (B&I), Dr. RPCAU Pusa, Samastipur (A/C No: 4512002100000063, IFSC Code: PUNB0451200) Payable at PNB Pusa.
16. Any corrigendum/addendum/errata in respect of the above tender shall be made available only at our official website [www.rpcau.ac.in](http://www.rpcau.ac.in)

**SECTION-III**  
**INSTRUCTIONS TO BIDDERS (I.T.B.)**

1. **Qualifying criteria:** The intending bidder should fulfill the following minimum pre-qualifying criteria:

(i) **Turnover:** Average Annual Financial Turnover on construction works during the last three years, ending 31<sup>st</sup> March of the previous financial year i.e. 2019-20 should be at least 100% of the estimated cost. Applicant has to attach the Balance Sheet along with profit & loss statement duly certified by Chartered Accountant for last three years.

(ii) **Experience:** Bidder should have the experience of completion of similar works during last 7 years ending last day of month previous to the one in which tenders are invited should be either of the following:

(a) Three similar completed works each costing not less than the amount equal to 40% of the estimated cost,

or

(b) Two similar completed works each costing not less than the amount equal to 60% of the estimated cost,

or

(c) One similar completed work costing not less than the amount equal to 80% of the estimated cost.

(iii) **Bid Capacity:** Agencies who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the total bid value. The available bid capacity will be calculated as under:-

$$\text{Assessed available bid capacity} = (A \times N \times 2) \div B$$

N = Number of years rounded up to first decimal prescribed for completion of the subject contract.

A = Maximum value of works executed in anyone year during last five years (up dated to the price level of current financial year with percentage stated in the PQ document)

B = Value at current price level of existing commitments and on-going works to be completed in the next 'N' years.

(iv) **Existing commitment and on-going works:** Intending bidders must submit these information in specified format uploaded with Tender Documents.

(v) **Profitability:** The applicant should be a profit (net) making firm as on 31.03.2019. Applicant should not have incurred any loss in the last 2 (two) consecutive financial years or any three out of last five years ending 31<sup>st</sup> March, 2019. Applicant has to attach the audited annual reports for last five years duly certified by Chartered Accountant

(vi) **Bank Solvency:** A Bidder should have a Solvency of 40% of the estimated cost issued by a Bank. The Solvency Certificate should not have been issued earlier than one year of last date of submission of the tender.

(vii) **EPF Registration:** Bidder must have valid EPF Registration.

(xi) **PAN:** Bidder should have valid Permanent Account Number (PAN) of Income Tax.

(xii) **GST Registration:** Bidder must have valid GST Registration of Bihar State.

- (xiii) **Registration:** The Bidder must submit valid registration certificate of civil contractor in proper category issued by any Central/ State Government Organization.
- (xiv) **Labour License:** Bidder must have Labour License of Bihar State. If they are having License of other state, they may participate in the tenders with available License but on being qualified they must have to obtain License of Bihar within one month from the date of issue of Letter of Acceptance.
- (xv) **Other Information:** Intending bidder must submit the following in specified format uploaded with Tender Document.
  - (i) List of Key Personal
  - (ii) Letter of Undertaking
  - (iii) Affidavit

## 2. Instructions:

- 2.1 **Joint Venture:** Joint Ventures are not permitted.
- 2.2 The applicant must have adequate organizational setup and reasonable presence in the work area or nearby as well as having sufficient number of experienced personnel, technical know-how, and infrastructure to complete the project well within time frame.
- 2.3 The applicant must have minimum three years' experience working with Central Public Sector Enterprises / Government / Semi-Government Organizations/Autonomous Bodies.
- 2.4 DR. R.P.C.A.U, PUSA is free to get documents verified and agency shall have no objection to it. In case, if it is found at any stage that the agency has made any false information will be disqualified and blacklisted.
- 2.5 Bidders are required to submit full bio-data giving details about their organization, experience, technical personnel & manpower available in their organization, equipment holding, PF registration number, Balance sheet and Turnover details for last 5 years duly certified by CA, Litigation history affidavit, Bank certificate etc. in order to assess their financial and technical capabilities etc. in the enclosed forms which will be kept confidential.
- 2.6 While deciding upon the technical qualification of applicant emphasis will be given on the ability and competence of applicants to do good quality works within the specified time schedule and in close coordination with other agencies.
- 2.7 Each page of the documents shall be signed by power of attorney holder or authorized signatory. The documents shall be signed by person(s) on behalf of the organization having necessary authorization/power of attorney to do so (certified copies to be enclosed).
- 2.8 If the space in the Performa is insufficient for furnishing full details, such information may be supplemented on separate sheets of paper, stating therein the part of the Performa and serial number. Separate sheets shall be used for each part. However, the format shall be as per Performa.
- 2.9 Applications containing false / incomplete and / or inadequate information are liable to be rejected. Also mere fulfillment of eligibility criteria does not guarantee for selection.
- 2.10 Clarification, if any required, may be obtained from the office of Executive Engineer (B&I) Dr. RPCAU, Pusa.
- 2.11 Canvassing in any form in connection with pre-qualifications is strictly prohibited and

the application of such persons/organizations that resort to canvassing will be liable to rejection.

**2.12 Additional Requirement:** Even though the bidders meet the above qualifying criteria, they are liable to be disqualified if they have:

- (a) Made misleading or false representation in the forms, statements and attachments in proof of the qualification requirements;
- (b) Records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.;
- (c) Their business banned by any Central / state Govt. Department/Public Sector Undertakings or Enterprises of Central / State Govt.
- (d) Not submitted all the supporting documents or not furnished the relevant details as per the prescribed format.

**2.13.1** A declaration to the above effect should be submitted as per where is it.

**2.13.2** Bidder shall submit the general information about bidder as per Performa-III.

**2.13.3** Bidder shall submit the list of major plant & machinery available with the firm as per Performa-IV.

**2.14 Site Visit:**

- a. The bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility and cost all information that may be necessary for preparing the bid and entering into a contract for construction of the Works.
- b. The bidder and any of its personnel or agents will be granted permission by the Employer/Owner to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the bidder, its personnel, and agents will release and
- c. Indemnify the Employer/Owner and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
- d. Before submitting a Bid, the Bidder shall be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates entered in the Price Bid document are adequate and all-inclusive for the completion of work to the entire satisfaction of the Employer/Owner.

**2.15 Bid Opening:**

**2.15.1** Bids will be opened at the address mentioned in "Notice inviting Tender" in presence of bidders or authorized representatives of bidders who wish to attend the opening of Bids.

2.15.2 The Price bid shall be opened on the date and time, which will be intimated later on to the technically qualified bidders. DR. R.P.C.A. UNIVERSITY, PUSA will not be responsible for any postal delay or loss of communication.

### 2.16 Process to be Confidential

2.16.1 Information relating to the examination, clarification, evaluation and comparison of bids, and recommendations for bid shall not be disclosed to bidders or any other persons not officially concerned with such process until the process is finalized.

### 2.17 Examination of Bids and Determination of Responsiveness

2.17.1 The Employer shall examine the bids to determine whether they are complete, whether the documents have been properly signed and whether the bids are generally in order, and all documents as per Tender document have been submitted.

2.17.2 Prior to the detailed evaluation, Employer shall determine whether each bid is of acceptable quality, is generally complete and is substantially responsive to the Tender documents. For purposes of this determination, a substantially responsive bid is one that conforms to all the documents as specified in the Tender document without material deviations, objections, conditionality or reservation. A material deviation, objection, conditionality or reservation is one:

- a) That affects in any substantial way the scope, quality or performance of the contract.
- b) That limits in any substantial way, inconsistent with the bidding documents, the Employers' rights or the successful Bidder's obligations under the Tender document, or
- c) Whose rectification would unfairly affect the competitive position of other Bidders who are presenting substantially responsive bids.

2.17.3 If a bid is determined to be not substantially responsive, the Employer shall reject the bid.

### 3. MODE OF SUBMISSION:

The tender should be submitted in 2 Envelope system.

3.1 The Envelope No.1 TECHNICAL BID will contain the requisite EMD in INR (as per NIT) in favour of Executive Engineer (B&I) DR. R.P.C.A.U, PUSA. payable through DD/RTGS/NEFT, PNB, Pusa (A/C No.: 4512002100000063, IFSC Code: PUNB0451200) and the unconditional acceptance letter on the letter head in respect of the tender conditions as per Performa available in the tender document. The EMD shall be valid for 90 days from the last date of submission of tender. This Envelope No. 1 will also contain the tender document (without Price Bid) without any conditions duly signed each page and tender processing fee in case of downloaded tender. This shall contain all information asked vide condition no. 2.5. Conditional tenders shall be treated as non-responsive and rejected.

The Envelope No.2 Price BID will contain the unconditional Price Bid duly signed by authorized signatory.

Both the Envelopes shall be sealed separately and shall be marked/written respectively as Technical Bid and Price Bid. These 2 sealed envelopes shall be submitted in an outer sealed envelope clearly mentioning the name of work for which the tender is offered.



The Envelope No. 1 shall be opened on its due date & time in presence of the bidders or their representatives who wish to be present. On verification of the Envelope No.1 contents as detailed above, the Envelope No. 2 of qualified bidders will be opened on the date notified separately. Conditional tenders will be summarily rejected.

If the contents/requirements of the Envelope No.1 are not found in order, the envelope

No. 2 shall not be opened and offer of that bidder will be rejected.

The rates in words shall supersede the rates in figures and shall be treated as the final rates quoted.

All envelopes / packets shall be individually sealed as well as marked as given below and kept in an outer envelope marked as:

{Name & Description of work as mentioned in NIT}

NIT No.: 04/20-21

Due on: 15.09.20

From (Name of the Company)

The envelope thus sealed shall be submitted at the place of submission of tender before the stipulated time and date fixed for receipt of tender. The tenders received after the stipulated time and date of tender receipt shall not be considered as well as the same shall be returned to the tenderer unopened.

3.2 Once the bidder has given an unconditional acceptance to the terms and contract conditions, bidder will not be permitted to put any remark(s)/conditions(s) (except unconditional rebate on price quoted, if any) in/along with the tender document.

3.3 In case the conditions 3.2 mentioned above is found violated at any time after opening of tender, the tender shall be summarily rejected and DR. R.P.C.A.U, PUSA shall, without prejudice to any other right remedy, be at liberty to forfeit the Earnest Money Deposit as specified above.

4. **EARNEST MONEY DEPOSIT :**

The agency has to submit the requisite EMD as mentioned in NIT. Tenders received without EMD will be treated as non-responsive and summarily rejected.

5. DR. R.P.C.A.U, PUSA reserves the right to reject any or all the tenders in part or full without assigning any reason whatsoever thereof. DR. R.P.C.A.U, PUSA does not bind itself to accept the lowest tender. DR. R.P.C.A.U, PUSA also reserves the right to split up the work among two or more agencies.

6. **QUOTING OF RATES & AMOUNTS:**

6.1 The tenderers should quote in figures as well in words the rates and amounts tenders by them. The amount for each item should be worked out and the requisite totals and page totals be given.

6.2 Special care should be taken to write the rates and amounts in figures as well in words in such a way that any alteration is not possible. The total amount should be written both in figures and in words. In case of figures; the word 'Rs.' should be written before the figure of Rupees and word 'P' after the decimal figure e.g. Rs. 2.15p. Rs. 2.15 shall

*be written as Rupees two and fifteen paise only.* Unless the rate/amount is in whole Rupees it should invariably be up to two decimal places. While quoting the rates

in Bill of quantities, the word "only" should be written closely following the amount and it should not be written in the next line.

- 6.3 In case of any discrepancy between the rates/percentage quoted in figures and words, then the rate/percentage quoted by the contractor in words shall be taken as correct.
7. The tenders shall be strictly as per the conditions of contract. Tenders with any additional condition(s)/modifications shall be rejected.
8. The witnesses to the Tender/Contract Agreement shall be other than the tenderer/ tenderers competing for this work and must indicate full name, address, status/occupation with dated signatures.
9. The tenders for works shall remain open for acceptance for a period of *120 (One hundred twenty) days from the date of opening* of the tenders. If any tenderer withdraws his tender before the said period or makes any modification in terms and conditions of the tender to his benefit which are not acceptable to DR. R.P.C.A. UNIVERSITY, PUSA then DR. R.P.C.A. UNIVERSITY, PUSA shall without prejudice to any other right or remedy, be at liberty to forfeit the EMD.
10. The acceptance of tender will rest with DR. R.P.C.A. UNIVERSITY, PUSA who does not bind itself to accept the lowest tender and reserves to itself the right to reject any or all the tenders received without assigning any reason thereof. Tenders in which any of the prescribed conditions are not fulfilled or found incomplete in any respect are liable to be rejected.
11. Canvassing whether directly or indirectly in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.

**12. PERFORMANCE GUARANTEE:**

Within 10 days from the date of issue of LOA / LOI, the tenderer shall submit Performance Guarantee amounting to 5% (Five percent) of the awarded value of work in the form of Demand Draft/fixed deposit in favour of DR. R.P.C.A. UNIVERSITY, PUSA Ltd. or Bank Guarantee from the Nationalized/Scheduled Bank (as per list enclosed) of equivalent value. No interest will be paid under any circumstances. The Performance Bank Guarantee shall remain valid till completion of project/taking over by client whichever is later. This Performance Guarantee initially be submitted with the validity till scheduled completion period as per tender document but in case of extension of completion due to any reason, it is the responsibility of the agency to get it extended one month prior to its expiry without any claim on it, in case of failure, DR. R.P.C.A. UNIVERSITY, PUSA may get it en-cashed without giving any notice. An amount is to be deposited equivalent to 0.01% per day of the amount of Performance Guarantee for extended /delayed period of submission of Performance Guarantee. In no case the extension will be granted for more than 15 days. In case of non-submission of Performance Guarantee within stipulated / extended period, it will be presumed that agency is not interested in the work and EMD submitted will be forfeited without any notice.

On receipt of the Performance Guarantee in the form of DD/FDR/BG & duly confirmed from issuing branch, the EMD will be refunded. EMD deposited in the form of Banker's



Cheque /Demand draft will be refunded directly to bidder's bank account through Electronic mode.

**13. SECURITY DEPOSIT:**

The security deposit will be deducted from the successful contractor at the rate of 10% from the Gross value of each R/A bills till it reaches 5% of the contract value. No

interest will be paid on the Security Deposit under any circumstances. The total security deposit will be refunded only after expiry of defect liability period.

Bank Guarantee from the Nationalized/Scheduled Bank (as per list enclosed) as per approved format.

14. On acceptance of tender, the name of the authorized representative(s) of the contractor who would be responsible for taking instructions from Engineer-in-charge or his authorized representative shall be intimated by the contractor within 07 days from the date of issue of telegram/letter/telex/fax of intents by DR. R.P.C.A. UNIVERSITY, PUSA.

15. The tenderer shall not be permitted to tender for works if his near relative is posted as an Accountant or an Assistant Engineer or any higher ranks in the project office. The contractor shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any of the officers in DR. R.P.C.A. UNIVERSITY, PUSA. Any breach of this condition by the tenderer would render him liable to the withdrawal of the work awarded to him and forfeit of Earnest Money and Security Deposit. This may also debar the contractor from tendering for future works under DR. R.P.C.A. UNIVERSITY, PUSA.

16. Sales Tax/VAT or any other tax on materials as also the Turnover Tax, Work Contract Tax, Service tax, Construction cess or similar, if any, in respect of contract shall be payable by the contractor and DR. R.P.C.A. UNIVERSITY, PUSA will not entertain any claim whatsoever, on such grounds. In the event of non-payment/default in payment of any control, royalty, cess, turnover tax, sales tax, including the purchase tax, consignment tax, work contract tax or any labour dues and E.P.F. etc. by contractor/supplier, the DR. R.P.C.A. UNIVERSITY, PUSA reserves the right to withhold the dues/payments of contractor and make payment to local / state/ Central Government authorities or to labours as may be applicable. The contractor should submit along with the tender, the Registration Certificates with Sales Tax on works contract authority and EPF Authorities otherwise appropriate recovery shall be made from his bills.

17. Tenderer should quote all prices, including the liability of taxes etc covered under Clause 16.0 or any other levy as applicable in the respective state.

18. The tenderer shall be deemed to have gone through the various conditions and clauses of the tender and visited the site before quoting their rates, once they make an offer for this work. No claim shall be entertained on this account.

20. Tenderer can purchase / download the tender documents as mentioned in NIT.

**21. ESCALATION/PRICE VARIATION:**

- 21.1 There will be no escalation on account of any increase in price index in the price of materials or labours, imposition of sales tax or enactment of any new law or imposition

of levies etc. No price escalation shall be applicable even during the extended period for completing the works. No extra claim in this regard will be entertained.

22. DR. R.P.C.A. UNIVERSITY, PUSA reserves its right to accept or reject any or all tenders without assigning any reason thereof.

23. Details of documents to be submitted: Following documents are to be submitted with Technical bid (Envelop No. 1) duly supported with credentials/certificates as directed in the respective proforma

Sl. No.	Details	Proforma No.	To be executed on
1.	Acceptance of Tender Conditions	PROFORMA- I	Tenderer's letter head
2.	Form of Tender	PROFORMA- II	Tenderer's letter head
3.	General Information	PROFORMA - III	
4.	List of Major Plant and Machinery in Possession of the Firm	PROFORMA - IV	
5.	Annual Turn Over For The Last Five Years	PROFORMA-V	
6.	Details of the Similar Works Completed in Last Seven Years	PROFORMA-VI	
7.	Solvency Certificate	PROFORMA -VII	Bank's letter head
8.	Details of on-going/existing works	PROFORMA-VIII	
9.	Past Contractual Performance	PROFORMA - IX	Non-judicial stamp paper of value not less than Rs. 10/-
10.	Bank Account Particulars for refund of EMD through Electronic mode	PROFORMA - X	

## PROFORMA- I

(On the letter head of the Tenderer)

To,  
Executive Engineer  
Dr. R.P.C.A. University, Pusa (Samastipur), Bihar

Sir,

### ACCEPTANCE OF TENDER CONDITIONS

The tender documents for the work Construction of Different KVKs, Bihar" been sold to by Office of the Executive Engineer (B&I), Dr. RPCAU Pusa, Samastipur and I/We hereby unconditionally accept the tender conditions and tender documents in its entirety for the above work.

1. The contents of Clause 3.2 and 3.3 of the Tender documents (Instructions to Bidders) have been noted wherein it is clarified that after unconditionally accepting the tender condition in its entirety, it is not permissible to put any remark(s)/conditions(s) (except unconditional rebate on price, if any) in the tender enclosed in "Envelope-2 and the same has been followed in the present case. In case this provision of the tender is found violated at any time after opening of the Envelope 2, I/we agree that the tender shall be summarily rejected and DR. R.P.C.A. UNIVERSITY, PUSA shall, without prejudice to any other right or remedy be at liberty to forfeit the full said earnest money absolutely.

2. I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements. In case this provision of the tender is found violated at any time before or after opening of the Price bid/Award, I/we agree that the tender/Award shall be summarily rejected and DR. R.P.C.A. UNIVERSITY, PUSA shall, without prejudice to any other right or remedy be at liberty to forfeit the full said earnest money/any other amount payable under this contract absolutely.

3. The required earnest money for this work is enclosed herewith.

4. If I/we will not fulfil the minimum qualifying criteria of the tender I/we not lodge any claim for opening of envelope 2 of the tender.

Yours faithfully,

(Signature of the tenderer)  
with rubber stamp

Dated: \_\_\_\_\_

PROFORMA- II

FORM OF TENDER

(On the letterhead of the Tenderer)

To,  
Executive Engineer  
Dr. R.P.C.A. University, Pusa (Samastipur), Bihar

1. I/We, \_\_\_\_\_ [Name and address of the Bidder] \_\_\_\_\_ have read the various terms and conditions of the Bid documents together with Addendum no(s)/Errata no(s) attached here with duly signed by me/us and agree to abide by the same.

2. I/We hereby declare that we are aware of the site of work and have made ourselves fully conversant of the conditions therein and including the topography of area, soil strata at site of work, sources and availability of construction materials, rates of construction materials, water, electricity, all local taxes, royalties, octrois etc., availability of local labour (both skilled and unskilled), relevant labour rates and labour laws, the existing road and approaches to the site of work, requirements for further service roads / approaches to be constructed by me / us, the availability and rates of private land etc. that may be required by me / us for various purposes, climatic conditions, law and order situation and availability of working days.

3. I/We hereby tender for execution of work "work Construction of Different KVKs Bihar" as per tender documents within the time schedule of completion of work as per separately signed and accepted rates in the bill of quantities quoted by me/us for the whole work in the accordance with the Notice Inviting Tenders, Conditions of Contract. Specifications of materials and workmanship, bill of quantities, Drawings, time schedule of completion of jobs and other documents and papers, all as in tender documents.

4. It has been explained to me/ us that the time stipulated for jobs and completion of works in all respects and in different stages mentioned in the "Time schedule for Completion of jobs and signed and accepted by me/us is the essence of the contract. I/We agree that in case of failure on my/our part to strictly observe the time of completion mentioned for jobs or any of them and the final completion of works in all respects according to the schedule set out in the said "Time Schedule for completion of stipulations contained in the contract the recovery being made as specified therein. In exceptional circumstances extensions of time which shall always being in writing way, however be granted by the DR. R.P.C.A. UNIVERSITY, PUSA at its entire discretion for some items and I/we agree that such extension of time will not be counted for the final completion of work as stipulated in the said "Time Schedule of Completion of jobs."

5. I/we agree to pay the Earnest Money Deposit, Performance Guarantee and Security Deposit and accept the terms and condition as laid down in the memorandum below in this respect.

# MEMORANDUM

Sl. No.	Description	Values/Description to be applicable for relevant clause(s)
1.	Name of Work	Construction of Administrative Building at KVKs (Lada, Narkatiyaganj, Sukhet, Madhopur) & Farmer Hostel at KVKs (Lada, Narkatiyaganj, Sukhet) under Dr. RPCAU Pusa.
2.	Owner	Dr. Rajendra Prasad Central Agricultural University Pusa, Samastipur, Bihar
3.	Type of Tender	Percentage Rate
4.	Earnest Money Deposit	As per NIT
5.	Estimated Cost	As per NIT
6.	Time for completion	Total work to be completed in 15 (fifteen) months including monsoon period in accordance with the time schedule of completion of work in the tender document.
7.	Schedule of Rates applicable	As BOQ
8.	Validity of Tender	120 (One Hundred Twenty) days
9.	Performance Guarantee	5% of contract value to be submitted within 10 days from the date of issue of LOI
10.	Security deposit/ Retention Money	To be deducted @ 5% of each R.A. bill
11.	Time allowed for starting the work	Date of start of contract shall be reckoned 10 days after the date of issue of letter/Fax/E-mail of intent/acceptance of tender.
12.	Defect liability period	12(twelve) Months from the date of handing over of works to
13.	Recovery rate of work force supplied by DR. R.P.C.A. UNIVERSITY, PUSA to Contractor	Rs. 15000/- (Rupees Fifteen Thousand only) each man power per month.

6. Should this tender be accepted, I/We agree to abide by and fulfill all terms and conditions referred to above and in default thereof, to forfeit, and pay DR. R.P.C.A. UNIVERSITY, PUSA or its successors or its authorized nominees such sums of money as are stipulated in the notice inviting tender documents.

7. If I/We fail to commence the work immediately on issue of LOI, or I/We fail to submit the Performance guarantee as per Clause 9 of General conditions of contract I/We agree that DR. R.P.C.A. UNIVERSITY, PUSA shall, without prejudice to any other right or remedy, be

at liberty to forfeit the said earnest money deposited with Dr. R.P.C.A.U, Pusa (Samastipur), Bihar besides any other action as per terms of registration with Dr. R.P.C.A. University. The Dr. R.P.C.A. University shall also be at liberty to cancel the notice of acceptance of tender if we fail to deposit the performance guarantee as contained elsewhere in the tender documents.

8. I/We are also enclosing herewith the Acceptance letter on the prescribed proforma as referred to in condition of NIT.

Dated the \_\_\_\_\_ day of \_\_\_\_\_

SIGNATURE OF TENDERER

NAME IN CAPITAL LETTERS \_\_\_\_\_

ADDRESS \_\_\_\_\_

TELEPHONE & FAX NO. \_\_\_\_\_

E-mail ID \_\_\_\_\_

SEAL OF TENDERER

WITNESS

OCCUPATION. \_\_\_\_\_

*Purman*



**PROFORMA - III**  
**GENERAL INFORMATION**

All individual firms and each partner of a joint venture participating in this Bid are requested to complete the information in this form.

1	Name of Bidder	
2	Head Office Address	
	Tel. No	
	Mobile no.	
	Fax No	
	E-mail address	
3	Address on which Correspondence should be done	
	Tel. No	
	Mobile no.	
	Fax No	
	E-mail address	
4	Place of incorporation / registration	
5	Legal status of the applicant (attach copies of original documents defining the legal status)	
i)	Specify, if the bidder is	
	a) An individual	
	b) A proprietary firm	
	c) A firm in partnership	
	d) A Limited Company or Corporation	
	e) A group of firms / joint venture (if yes, give complete information in respect of each member)	Not Applicable
ii)	Attach a copy of Proprietorship or Partnership Deed or Article of Association or Incorporation of Company or JV Agreement as the case may be	
6	Name of Proprietor / Partners / Directors with their addresses, Mobile & Telephone numbers, Fax no., E-mail address.	
7	Designation of individuals authorized to act for the organization with the address, Mobile & Telephone numbers, Fax, E-mail address. (Enclose legal Power of Attorney along with Board resolution in case of Companies).	
8	Was the applicant ever required to suspend any construction for a period of more than six months continuously after commencement of the construction? If so, give the name of the project & reasons of suspension of work.	
9	Has the applicant of any constituent	



	partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment.		
10	Has the applicant, or any constituent partner in case of partnership firm ever been debarred / black listed for tendering in any organization at any time? If so, give details.		
11	Has the applicant or any constituent partner in case of partnership firm, ever been convicted by a court of Law? If so, give details.		
12	Bank solvency		
13	Turn Over / Net Profit for the years given below: Copies of Audited balance sheets are to be enclosed with proforma V.	Turn Over in Lakhs	Profit in Lakhs
	2011-12		
	2012-13		
	2013-14		
	2014-15		
	2015-16		
14	Other details: (Copies to be enclosed)		
	a) EPF No. valid up to:		
	b) Sales Tax No. valid up to		
	c) Clearance of Sales Tax up to		
	d) PAN No.		
	e) Service Tax Registration No.		
15	Give particulars of registration with Govt./Semi Govt./Public Sector Undertakings/Local Bodies.		

Note: Use separate sheets for providing more information if any.

Date & Place

Signature & seal of the applicant

# PROFORMA - IV

List of major Plant and Machinery in possession of the firm

Sl. No.	Name of Plant & Machinery/equipment	Available Owned
A	B	C
1.	Excavator	
2.	Dozer	
3.	Dumper	
4.	Truck	
5.	Tractor with trolley	
6.	Water Tanker	
7.	Batching Plant : Capacity.....	
8.	Transit Mixer	
9.	Site Mixers with weigh batcher	
10.	Skip Hoist	
11.	Dewatering / Water Pumps	
12.	Survey equipments:	
	a) Total Stn,	
	b) Theodolite	
	c) Level instruments	
13.	Details of Shuttering & Staging materials	
14.	Any other information**	

Signature & seal of the applicant

Date & Place

Note:

- \* In case of any arrangement for getting the equipment on lease, etc., authenticated proof of the same is to be submitted.
- \*\* Use separate sheets for providing more information.

**PROFORMA-V**

Date: \_\_\_\_\_

ANNUAL TURN OVER FOR THE LAST FIVE YEARS				
S. No.	YEAR	Turnover from Engineering construction works (In Rs lacs )	Net Profit (In Rs lacs )	Remarks (if any)
1	2015-2016			
2	2014-2015			
3	2013-2014			
4	2012-2013			
5	2011-2012			

**Note:**

1. The bidder shall submit the attested copies of the audited balance sheets along with Profit and loss statements and Auditors report and schedules duly certified by the bidder and Chartered Accountant. Certificate from the Chartered Accountant, wherever the Annual Turnover is certified for the relevant financial year in which the minimum criteria of Annual Turnover is satisfied should also be submitted.

# PROFORMA-VI

## DETAILS OF THE SIMILAR WORKS COMPLETED IN LAST SEVEN YEARS

S. No.	Description of the Work with Contract No.	Name and address of the Employer with Contract No.	Date of award	Stipulated date of completion	Date of actual completion	Value of completed work (In Rs lacs)	Reasons for delays, penalty if any	Any other relevant information
1								
2								
3								
4								
5								
6								
7								

### Note:

1. The Bidder shall submit the attested Copies of the Completion Certificates from the Client.
2. The value of work executed should be inclusive of the value of free supply items.

PROFORMA-VII

Dispatch number of bank / date

SOLVENCY CERTIFICATE ON LETTER HEAD OF BANK

This is to state that to the best of our knowledge and information that  
M/s..... having /registered office  
address..... is  
customer of bank and has been maintaining his accounts with our branch  
since..... As per records available with the bank,  
M/s..... can be treated as solvent up to a  
limit of Rs..... (Rupees in words.....).

It is clarified that the above information is issued / furnished to DR. R.P.C.A. UNIVERSITY,  
PUSA Ltd at Customer's request for their empanelment & participation in various tenders.

Name, Designation, Signature with Seal

Notes:

1. In case of Partnership firm, Certificate should include names of all partners as recorded with the bank.
2. The Certificate should have been issued in the current financial year but within 6 months from original last date of the submission of tender.
3. Original certificates is to be submitted along with the bid documents.

# PROFORMA-VIII

## DETAILS OF ON-GOING/EXISTING WORKS

S. No.	Description of the Work with Contract No.	Name and address of the Employer	Date of award	Stipulated date of completion	Value of work as per order (In Rs. lacs )	Value of work completed so far (In Rs. lacs )	Anticipated date of completion of work	Any other relevant information
1								
2								
3								
4								
5								
6								
7								
8								
9								

### Note:

The copies of certificates of on-going awarded works issued by the owner shall be attached.  
Only those works shall be considered for evaluation for which copies of the certificates issued by the owner are attached.

PROFORMA – IX

PAST CONTRACTUAL PERFORMANCE

(Affidavit on non-judicial stamp paper of Rs 10/- duly attested by Notary/Magistrate)

This is to certify that We, M/s \_\_\_\_\_ [Name of the Bidder with address],  
in submission of the Bid, \_\_\_\_\_ [Name of Bid with Bid no.]

- i) have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements;
- ii) do not have records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.;
- iii) have never been banned by any Central/State Govt. Departments/Public Sector Undertakings or Enterprises of Central/State Govt. ;
- iv) have submitted all the supporting documents and furnished the relevant details as per the prescribed format; and
- v) have submitted all the information and the requisite documents with the Bid and further certify that we are fully responsible for the correctness of the information and documents submitted by us.

SIGNATURE OF THE BIDDER  
SEAL

**Note:**

Exceptions of the above, if any, shall be clearly mentioned with details by the bidder for evaluation/consideration if any.



**Dr. RAJENDRA PRASAD CENTRAL AGRICULTURAL  
UNIVERSITY PUSA BIHAR  
(SAMASTIPUR) 848125**

**SPECIAL CONDITION**

1. Tenders not complete as per requirements will be our right to rejected and their tender will not be considered.
2. The tenders are required to quote no item wise but overall on percentage basis i.e. above or below estimated rates/B.O.Q rates.
3. Rates quoted less more than 10% of schedule rate cost shall out right be rejected.
4. The undersigned reserves the right to divide the tender among more than one tenders and to reject may or all the tenders without assigning any reason there of.
5. Tenderers shall quote their rates both in figures and words and should initial all correction, over writings, incorporations, undefined form like estimated rates will not be considered.
6. The rates quoted by the contractors should be inclusive all taxes. Royalties and other incidental charges.
7. The contractor should quote in their tender:-
  - a) The plants and Machinery they possess execution of works.
  - b) Experience they have with detail of works and its position.
  - c) Certificate, if any, about the capacity of doing works.
  - d) Technical staff, if they possess.
8. The contractors should satisfy them selves fully about the nature and site of works before offering their tenders and plent of any ignorance after works shall not be considered.
9. The tender without earnest money or insufficient earnest money or submitted late or earnest money without duly pledged as required will be out right rejected.
10. Contractors are required to furnish up to date clearance certificate in respect of I.T and S.T along with their tender, In absence of those documents within ten days from the days from the date of requisition in a registered letter with A/D failing which their tenders shall be outright rejected and their earnest money furnished with the tenders shall be forfeited.
11. Conditional tenders shall be outright rejected.
12. After approval of rated by the competent authority the contractor shall have to deposit the initial security money @ 5% of B.O.Q cost in shape of N.S.C dully pledged in favour of undersigned within 10 days of issue of the written orders from the engineer-in-charge and agreement, failing which his tender shall he reject and earnest money forfeited.
13. No claim for delay in work due to shortage of labour, non supply of materials, drawing & design and/ or any other reason shall not be entertained.
14. The contractors shall arrange necessary site for accommodation and after facilities like medical, aid etc. for his own cost and initiative as well as with labour rules prevalent in the salacity.
15. The contractor shall be responsible for safety of his labour or other staff and the damages shall be recovered at his own cost.
16. The CPWD specification ISS specification shall be followed during the progress of the work in case of difference of opinion in any of them the directions of the Engineer-in-charge have to be followed.

17. No claim shall be entertained due to fluctuation in rates of labour and materials at any time till completion of the work.
18. Materials recoverable or non-recoverable direct issued to work shall be issued to the contractor in proper/R. If materials are obtained in excess of natural requirement the recovery of the cost of such materials will be made at double the issue rates stipulated in the agreement.
19. The contractor employing truck for carriage of materials of other work shall comply the rules of motor vehicle etc.
20. It will be obligatory on the part of the tender to keep the Tender open for a period as per C.P.W.D rule for acceptances.
21. The contractor shall not be entitled to claim or compensating for any loss suffered by him due to:-
  - a) Natural claim item.
  - b) Act or enemy.
  - c) Transport and procurement difficulties.
  - d) Circumstances beyond the control of the University.
22. Site order book with numbered pages and bearing the certificates of the need by the contractor at the site of work will have to be produce, if the engineer-in-charge or inspecting officer desire for instruction. Concerning the work to not entered. This shall be property of the university after completion of work.
23. No work beyond agreement shall be expected by the contractor unless specifically ordered by the engineer-in-charge in writing and the claim for such work shall be submitted regularly in every month. If the claim is not received in the month in which it relates it will be treated as barred any may be disallowed.
24. Income Tax @ 2.27% or as per govt. rule to be deducted from each payment at sources which will be adjusted by income tax department at the time of assessment in case of contract.
25. Sales Tax/GST shall be deducted from each bill as per rules.
26. Labour cess Tax @ 1% shall be deducted from each bill as per rules.
27. Contractors shall have to furnish payment certificate or mining taxes of materials consumed in the work otherwise deduction towards royalty and cess shall be made as per rules.
28. Deduction of five percent of the gross amount of the bill will be deducted from their running bills so as to make the total security deposit @ ten percent of the cost of work. No part of these security deposit shall be refunded until the work is fully completed and the final bill disposed or fifty percent of the amount of security deposit shall be released after three months of satisfactory performance during defect liability period of six months/ one rainy season from the date of completion of work.
29. Additional performance Guarantee have to deposit as per Govt. rule.
30. Payment will be made after work completion certificate obtained from requisitioner and also availability of fund.
31. Work will not be allotted to those Contractors who could not execute agreement of awarded work and those contractors who could not complete the awarded work within agreement time. Such Agencies shall be debarred from panel of ARC for a period of three years and Earnest Money will be forfeited.

# Bill of Quantity

Name of work :	Construction of Proposed Administrative Building at KVKs (Lada, Narkatiyaganj, Sukhet, Madhopur) & Farmer Hostel at KVKs (Lada, Narkatiyaganj, Sukhet) under Dr. R.P.C.A.U Pusa, Bihar				
Estimated Cost		Sold to :			
Earnest Money		Address :			
Cost of B.O.Q		Reg. No.			
Time of Completion :		M. R. No.			
S.No.	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE (In Rs.)	DSR Amount (Rs.)
<b>Part-A</b>					
1.0	<b>(SH: - 1.0 - EARTH WORK)</b>				
1.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposal earth to be levelled and neatly dressed.				
	a) All Kinds of soil	2647.20 ✓	Cum	181.85	481393
1.3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	400.29 ✓	Cum	219.65	87923
1.4	Excavating trenches of required width for pipes, cables etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within of a lead of 50 m : a) In all kinds of soil.				
	(a) Pipes, cables etc, not exceeding 80 mm dia.	400.00 ✓	Metre	223.00	89200
1.5	Supplying and filling in plinth with Fine sand under floors, foundations etc. including watering, ramming, consolidating and dressing complete	506.40 ✓	Cum	1953.05	989025
1.6	Carriage of materials by mechanical transport including loading, unloading and stacking complete for a distance of 5 km.	400.29 ✓	Cum	161.46	64630
	(a) Earth				
1.7	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	2500.00 ✓	Sqm	12.55	31375
1.8	Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
i	Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete.				
	With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration	400.00 ✓	meter	28.25	11300
ii	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 : 2 (1 cement : 2 Coarse sand) to match the existing floor :				
	With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration	1600.00 ✓	Sqm	227.05	363280
2	<b>(SH: - 2.0 - CONCRETE WORK)</b>				
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.				
	(a) 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	782.20 ✓	Cum	5789.60	4528602
	(b) 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	20.00 ✓	Cum	6788.60	135772

2.2	Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	75.42 ✓	Sqm	418.90	31593
2.3	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20-mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth	240.00 ✓	Sqm	614.05	147372
3	<b>(SH: - 3.0 - R.C.C. WORK)</b>				
3.1	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural element but excluding the cost of centering, shuttering, finishing and reinforcement including admixtures in recommended proportion (as per IS:9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-Charge; M-25 grade reinforced cement concrete by using 380 kg of cement per cum of concrete.				
	(a) All work upto plinth level	432.72 ✓	Cum	7997.30	3460576
	(b) All work from plinth level upto floor V level.	532.06 ✓	Cum	9400.85	5001816
3.2(a)	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Upto plinth level				
	(a) Thermo-Mechanically Treated bars (Fe - 500)	42778.67 ✓	KG	83.50	3572019
3.2(b)	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Above plinth level				
	(a) Thermo-Mechanically Treated bars (Fe - 500)	50120.05 ✓	KG	83.50	4185024
3.3	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	21.41 ✓	Cum	7296.35	156200
3.5	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centering, shuttering, finishing smooth with 6 mm thick cement plaster 1:3 (1 cement: 3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size)	3.89 ✓	Cum	8886.35	34568
3.6	Centering and shuttering including strutting, propping etc. and removal of form for :				
	(a) Foundations, footings, bases of columns etc. for mass concrete.	1371.52 ✓	Sqm	284.85	390677
	(b) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	285.44 ✓	Sqm	609.30	173919
	(c) Suspended floors, roofs, landings, balconies and access platform.	1616.92 ✓	Sqm	693.05	1120606
	(d) Lintels, beams, plinth beams, girders, bressumers and cantilevers.	2178.32 ✓	Sqm	552.05	1202542
	(e) Columns, Pillars, Piers, Abutments, Posts and Struts.	1955.62 ✓	Sqm	467.85	914935
	(f) Stairs, (excluding landings) except spiral - staircases.	57.60 ✓	Sqm	733.70	42261
	(g) Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	52.13 ✓	Sqm	284.85	14849
	(h) Edges of slab and breaks in floors and walls under 20 cms wide	400.00 ✓	Metre	173.25	69300
3.7	Add or deduct for plaster drip course/groove in plastered surface or moulding of R.C.C. projections.	800.00 ✓	Metre	58.90	47120
4	<b>(SH: - 4.0 - BRICK WORK)</b>				
4.1	Brick work with FPS bricks of class designation 75 in superstructure above plinth up to floor five level in all shapes and sizes in :	257.75 ✓	Cum	7590.45	1956469
	(a) Cement mortar 1:6 (1 Cement : 6 coarse sand)				
4.2	Half brick masonry with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level.	1759.74 ✓	Sqm	932.10	1640256



	(a) Cement mortar 1:4 (1 Cement : 4 coarse sand)	1759.74 /	Sqm	80.10	140955
5	<b>(SH: - 5.0 - (MARBLE WORK))</b>				
5.1	Providing and fixing 18mm thick gang saw cut mirror polished, premoulded and prepolished machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.				
	(a) Granite of any colour and shade	5.04 /	Sqm	4007.65	20199
	(i) Area of slab over 0.50 sqm				
5.2	Extra for fixing marble/granite stone over and above item no.5.1, in facia and drops of width upto 150mm with epoxy resin based adhesive including cleaning etc. complete	8.40 /	Metre	434.25	3648
5.3	Extra for providing opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete.	12.00 /	Each	734.55	8815
6	<b>(SH: - 6.0 - WOOD WORK)</b>				
6.1	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
	(b) 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	135.36 /	Sqm	2756.35	373100
6.2	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	456.00 /	Each	179.20	81715
6.3	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :				
	(a) 300x16 mm	160.00 /	Each	257.15	41144
6.4	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
	(a) 300x10 mm	208.00 /	Each	116.80	24294
	(b) 150x10 mm	288.00 /	Each	75.00	21600
6.5	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.				
	(a) Twin rubber stopper	104.00 /	Sqm	62.05	6453
6.6	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
	(a) 125 mm	208.00 /	Each	59.65	12407
	(a) 75 mm	144.00 /	Each	45.90	6610
	(a) 75 mm	144.00 /	Each	62.55	9007
6.70	Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 0.2 mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm . including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.	111.00 /	Meter	456.80	50705

6.80	35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm ( $\pm 0.2$ mm) thick, having styles & rails (except lock rail) of size 95-mm x 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge				
	Decorative finish (wood grained finish)	36.00	Sqm	3842.85	138343
7	<b>(SH: - 7.0 - STEEL WORK)</b>				
7.1	Steel work in built up tubular ( round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
	(a) Hot finished seamless type tubes	4465.20	KG	157.50	703269
7.2	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	400.00	Sqm	125.80	50320
7.3	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing and staircase railing including applying a priming coat of approved steel primer.				
	(a) M.S. tube	4465.20	KG	145.65	650356
7.5	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strikeplate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer -in- charge				
I	Profile B				
	Fixing with adjustable lugs with split end tail to Each jamb	381.60	metre	417.60	159356
7.6	Providing and fixing carbon steel galvanised ( minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm <sup>2</sup> ), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
	10 x 80 mm	1352.00	Each	109.00	147368
8	<b>(SH: - 8.0 - FLOORING WORK)</b>				
8.1	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
	(a) 25 mm thick	457.84	Sqm	1531.85	701336

8.2	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	30.31 ✓	Sqm	1810.05	54866
8.3	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	175.08 ✓	Sqm	1030.30	180385
8.4	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), including grouting the joints with white cement and matching pigments etc. complete.	79.02	Sqm	1088.40	86001
8.5	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc. complete.	0.00			0
	(b) Size of Tile 600x600 mm	836.88 ✓	Sqm	1500.55	1255780
8.6	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.	0.00			0
	(b) Size of Tile 600x600 mm	112.93 ✓	Sqm	1545.85	174576
8.7	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
	Medium shade pigment using 50% white cement 50% Grey cement	441.31 ✓	Sqm	1104.25	487314
9	(SH: - 9.0 - ROOFING WORK)				
9.1	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edge sand making and finishing the outlet complete.	32.00 ✓	Each	244.05	7810
9.2	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
	In 75x75 mm deep chase	400.00 ✓	Each	237.25	94900
10	(SH: - 10.0 - FINISHING WORK)				
10.1	6 mm cement plaster to ceiling of mix :				
	(a) 1:3 (1 Cement : 3 fine sand)	1674.52 ✓	Sqm	227.35	380702
10.2	12 mm cement plaster of mix :				
	(a) Cement mortar 1:4 (1 cement: 4 fine sand)	3321.11 ✓	Sqm	266.85	886238
10.3	20 mm cement plaster of mix :				
	(a) 1:4 (1 Cement : 4 fine sand)	1815.05 ✓	Sqm	365.25	662946
10.4	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	4995.63 ✓	Sqm	196.70	982640
10.6	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :				
	(a) New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	4995.63	Sqm	153.45	766579



10.7	Finishing walls with textured exterior paint of required shade				
	(a) New work (two or more coats) over and including water thinnable priming coat with cement primer	1815.05 ✓	Sqm	232.00	421091
11.0	<b>(SH: -11 - ALUMINIUM WORKS)</b>				
12.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Glazing and paneling to be paid for separately):				
a)	For fixed portion.				
i	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	1800.00 ✓	KG	423.95	763110
b)	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
i	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	1280.00 ✓	KG	554.95	710336
12.2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):				
i	With float glass panes of 4 mm thickness	186.96 ✓	Sqm	999.60	186885
12.3	Filling the gap in between aluminium frame and adjacent RCC/Brickwork/ Stone Work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge				
i	Upto 5mm depth and 5mm width	490.00 ✓	metre	79.45	38931
12	<b>(SH: -12 - WATER PROOFING)</b>				
13.1	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc. consisting of following operations				
	a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS.2645 and approved by Engineer in-charge over the Reinforced cement concrete slab including adjoining walls upto 300mm height including cleaning the surface before treatment.				
	b) Laying brick bats with mortar using broken bricks/bricks bats 25mm to 115mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer cement mortar of mix 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				
	c) After two days of proper curing applying second coat of cement slurry using 2.75kg/sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge.				

	d) Finishing the surface with 20 mm thick joint less cement mortar of mix 1:4 ( 1 cement : 4 coarse sand) admixed water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300 X 300 mm square.3mm deep.				
	e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-charge				
	(f) With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	1468.00	Sqm	1398.50	2052998
<b>Internal &amp; External Electrification</b>					
<b>Sub Head 1 : Copper Wiring in Steel Conduit</b>					
1.0	<b>Point wiring in steel conduit, with modular type switch.</b>				
	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required				
(a)	<b>Group c.</b>	400.0	Point	1037.00	414800
2.0	<b>Twin control point wiring in steel conduit, with modular type switch</b>				
	Wiring for twin control light point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required.	16.0	Point	1094.00	17504
3.0	<b>Circuit/ submain wiring in steel conduit:</b>				
	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required				
(a)	2 x 1.5 sq. mm + 1 x 1.5 sq mm earth wire	1140.0	Meter	181.00	206340
(b)	2 x 2.5 sq. mm + 1 x 2.5 sq mm earth wire	1600.0	Meter	206.00	329600
(c)	2 x 4 sq. mm + 1 x 4 sq mm earth wire	3600.0	Meter	237.00	853200
(d)	4 x 10 sq. mm + 2 x 10 sq. mm earth wire	140.0	Meter	653.00	91420
(e)	4 x 16 sq. mm + 2 x 16 sq. mm earth wire	300.0	Meter	930.00	279000
4.0	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required				
	2 Pair	840.0	Meter	19.00	15960
5.0	Supplying and drawing of UTP 4 pair CAT-6 LAN cable in existing surface/recess conduit as required.	1800.0	Meter	34.00	61200
6.0	Supplying and fixing of following size of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall or making good the same in case of recessed conduit as required.				
	25mm	2000.0	Meter	147.00	294000
7.0	<b>S/F Power plug Point Modular type accessories:</b>				
	Supplying and fixing of metal box of GI box with modular plate and cover in front on surface or in recess, including providing and fixing of 3 pin 5/6 amps. modular socket outlet and 5/6 amps. modular switch, connections, painting etc. as required. (For light plugs).	88.0	Each	313.00	27544
8.0	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required				
a	15/16 Amp. Switch	80.0	Each	114	9120
b	3 Pin 5/6 Amp. Socket	160.0	Each	81	12960
c	Telephone socket outlet	40.0	Each	96	3840
9.0	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required				
a	1 or 2 Module (75mmX75mm)	120.0	Each	175.00	21000
b	6 Module (200mmX75mm)	80.0	Each	258.00	20640

10.0	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 & 5/6 amps modular socket outlet and 15/16 amps modular switch, connection, painting etc. as required.	104.0	Each	406.00	42224
11.0	S/F of 20amp, 240V, SPN industrial type socket outlet, with 2 pole and earth, metal enclosure plug top along with 20amp, C curve SP MCB, in sheet steel enclosure, on resses or in surface with chained metal cover for the socket outlet and complete with connection testing and commissioning etc. as required.	80.0	Each	980.00	78400
	<b>S/F modular type electronic fan regulator:</b>				
12.0	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	116.0 ✓	Each	288.00	33408
13.0	Providing and fixing circular/hexagonal cast iron or M.S sheet box for ceiling fan clamps of internal dia 150 mm & 73mm in height top laid of 1.5 mm thick MS sheet with its top hanged for proper bonding top lid shall be screwed in cast iron/ MS sheet box by mean of 3.3mm dia round headed screws one lock at the corners.	116.0 ✓	Each	130.10	15092
	Numbering of fan/ fittings:				
14.0	Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as required.	440.0 ✓	Each	28.00	12320
15.0	Fixing louvers/ shutters for exhaust fan:				
	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	16.0 ✓	Each	99.00	1584
16.0	<b>S/F 'C' Series, SP MCB :</b>				
	Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'C' series, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	460.0 ✓	Each	173.00	79580
17.0	<b>S/F DP/FP MCB:</b>				
	Supplying and fixing following rating, four pole, 415 volts, three phase and neutral MCB having 10KA breaking capacity in existing MCB DB complete with connections testing and commissioning as required				
(a)	32 amps DP	8.0 ✓	Each	463.00	3704
(b)	32 amps FP	8.0 ✓	Each	891.00	7128
18.0	<b>P/F M.V. danger notice plate</b>				
	Providing and fixing MV danger notice plate of 200 mm x 150 mm made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	4.0 ✓	Each	149.00	596
19.0	<b>G.I. Earth plate Electrode:</b>				
	Earthing with G.I. earth plate 600 mm x 600 mm x 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but with charcoal or coke and salt) as required.	8.0 ✓	Set	4327.00	34616
	<b>PF 25 mm x 5 mm GI earth strip in pipe:</b>				
20.0	Providing and fixing 25 mm x 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode, as required.	32.0 ✓	Meter	351.00	11232
	<b>P/F 25 mm x 5 mm GI earth strip in surface/ recess:</b>				
21.0	Providing and fixing 25 mm x 5 mm G.I. strip on surface or in recess for connections etc. as required.	160.0 ✓	Meter	129.00	20640
	<b>END TERMINATION</b>				
22.0	Supplying and making cable end terminations with brass compression gland and aluminium lugs for following sizes of 2 Core and 4 Core PVC insulated PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade, complete as required.				
a	2 x 10 Sq. mm.	16.0 ✓	Each	158.00	2528
b	4 x 10 Sq. mm.	16.0 ✓	Each	203.00	3248
c	4 x 16 Sq. mm.	32.0 ✓	Each	255.00	8160
d	3.5Core 95 sq mm	4.0 ✓	Each	482.00	1928
	<b>SUB HEAD -1: SANITARY FITTINGS</b>				
1	Providing and fixing white vitreous china pedestal type (European type W.C. pan) with seat and lid, 10 litre low water closet level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required.				
a	W.C. pan with ISI marked white solid plastic seat and lid	16 ✓	Each	5260.95	84175

2	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required				
	Range of three half stall urinals with 10 litre P.V.C automatic flushing cistern	4	Each	17307.55	69230
3	Providing & fixing white vitreous china wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fitting and brackets, cutting & making good the walls wherever required				
a	Flat back Wash Basin size 550X400 mm with a pair of 15mm C. P. brass pillar taps	16	Each	2846.90	45550
4	Providing and fixing M.S holder-bat clamps of approved design to Sand Cast iron/ cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.				
a	100 mm dia. pipe	100	Each	287.45	28745
b	75 mm dia. pipe	40	Each	283.40	11336
5	Providing and fixing soil, waste and vent pipes:				
a	100 mm dia				
	Centrifugally cast (spun) iron socket pipe as per IS:3989	160	Meters	1092.2	174752
b	75 mm dia				
	Centrifugally cast (spun) iron socket pipe as per IS:3989	120	Meters	992.05	119046
6	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete				
a	100 mm				
	Sand cast iron S&S as per IS-3989	4	Each	461.65	1847
b	75 mm dia				
	Sand cast iron S&S as per IS- 3989	4	Each	384.75	1539
7	Providing and fixing plain bend of required degree				
a	100 mm dia				
	Sand cast iron S&S as per IS : 3989	16	Each	390.75	6252
b	75 mm dia				
	Sand cast iron S&S as per IS : 3989	8	Each	289.75	2318
8	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
a	100x100x100 mm				
	Sand cast iron S&S as per IS - 3989	4	Each	722.55	2890
b	75x75x75 mm				
	Sand cast iron S&S as per IS - 3989	4	Each	722.55	2890
9	Providing and fixing single equal plain junction of required degree :				
a	100x100x100 mm				
	Sand cast iron S&S as per IS - 3989	4	Each	667.70	2671
b	75x75x75 mm				
	Sand cast iron S&S as per IS - 3989	4	Each	470.4	1882
10	Providing lead caulked joints to sand cast iron /centrifugally cast(spun) iron pipes and fittings of diameter:				
a	100 mm	60	Each	481.45	28887
b	75mm	24	Each	407.90	9790
11	Providing and fixing terminal guard :				
	100mm				
	Sand cast iron S&S as per IS - 3989	8	Each	389.4	3115
	75mm				
	Sand cast iron S&S as per IS - 3989	8	Each	309.85	2479
12	Providing and fixing trap of self clearing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the wall and floor.				
a	100 mm inlet and 75 mm outlet				
	Sand cast iron S&S as per IS:3989	16	Each	1579.45	25271
<b>SUB HEAD -2 :WATER SUPPLY</b>					
1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
	Internal work-Exposed on wall				
c	20mm dia nominal outer dia pipes	80	Meters	306.95	24556
c	25mm dia nominal outer dia pipes	80	Meters	369.20	29536
d	32mm dia nominal outer dia pipes	80	Meters	480.55	38444
e	40mm dia nominal outer dia pipes	40	Meters	648.60	25944



2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.				
a	15mm dia nominal outer dia pipes	168	Meters	409.65	68821
b	20mm dia nominal outer dia pipes	112	Meters	478.15	53553
3	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
	15 mm nominal bore	8	Each	338.70	2710
	20 mm nominal bore	4	Each	386.40	1546
4	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
a	25 to 40 mm nominal bore each	16	Each	673.45	10775
5	Providing and fixing C.P. brass bib cock of approved quality				
a	15 mm nominal bore	16	Each	302.55	4841
6	Providing and fixing gun metal gate valve of with C.I. wheel of approved quality (screwed end) :				
a	25 mm nominal bore each	4	Each	497.15	1989
c	32mm nominal bore each	4	Each	581.25	2325
7	Providing and fixing C.P. brass angle valve for basin mixture and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore				
a	15 mm nominal bore	28	Each	532.00	14896
<b>DRAINAGE WORK</b>					
1	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
a	150 mm dia. R.C.C. pipe	160	metre	462.60	74016
b	200 mm dia. R.C.C. pipe	320	metre	694.00	222080
c	250 mm dia. R.C.C. pipe	160	metre	754.45	120712
2	Providing and fixing square mouth S.W. gully trap grade "A" complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300X300 size (inside) the weight of cover not to be less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :				
a	100X100 mm size P Type				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	16	Each	2307.00	36912
3	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement complete as per standard design :				
a	Inside size 90X80 cm and 45 cm deep including C.I. cover with frame light duty 455X610 internal dimensions total weight of cover and frame not less than 38 kg ( weight of cover 23 kg and weight of frame 15 kg)				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	20	Each	10905.05	218101
4	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	20	Each	5209.10	104182
5	Constructing brick masonry road gully chamber 45x45x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand ) with precast R.C.C. vertical grating complete as per standard design :				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	12	Each	5794.85	69538
<b>SEPTIC TANK AND SOAK PIT</b>					
1	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design :				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4	Each	25278.75	101115

3	Construction septic tanks conforming to IS:2470 with brick work in cement mortar 1:4 with coarse sand top slab in RCC 1:2:4 mix with necessary reinforcement, Precast RCC baffle walls, 12 mm thick plaster inside with cement mortar 1:3 with coarse sand finished with a floating coat of neat cement, flooring with cement concrete 1:2:4 laid to slope of minimum thickness 100 mm, finished with 12 mm thick cement plaster 1:3 in coarse sand in finished with a floating coat of neat cement outside plaster 15 mm thick with cement mortar 1:5 in fine sand cast iron tees of required size for inlet and outlet CI vent pipe 50 mm dia with mosquito proof nets and 32 mm dia brass wheel valve for removal of sludge, including SFRC manhole covers with frames, light duty 600X450 mm size and plastic encapsulated MS foot rests at 300 mm intervals complete excluding excavation and refilling for				
	two year cleaning cycle				
	50 users	4	each	275864.01	1103456
	<b>(A) SUB-TOTAL</b>				<b>50,458,917.82</b>
	<b>COST INDEX 10% OF (A)</b>				<b>5,045,891.78</b>
	<b>Total (B)</b>				<b>55,504,809.61</b>
<b>Non Schedule Item</b>					
23.0	<b>S/F prewired TPN/DP MCB DB:</b>				
	Supplying and fixing testing following way, three pole and neutral, sheet steel MCB distribution board, 415 volt, on surface or recess complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing as extra as required but without MCCB/RCCB/ISOLATOR.				
(a)	<b>8Way (2+8), Double door, Horizontal type</b>	8.0	Each	1750.00	14000.00
24.0	Supplying and fixing testing following way, three pole and neutral, sheet steel MCB distribution board, 415 volt, on surface or recess complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing as extra as required but without MCCB/RCCB/ISOLATOR.				
(a)	<b>6 way (4+18), Double door, Horizontal type</b>	20.0	Each	4251.80	85036.00
25.0	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a	Internet Socket RJ 45 Cat. Ref. CG 20 271	60.0	Each	494.26	29655.82
	<b>S/F DP/FP MCB:</b>				
26.0	Supplying and fixing following rating, four pole, 415 volts, three phase and neutral MCB having 10KA breaking capacity in existing MCB DB complete with connections testing and commissioning as required				
(a)	40 amps FP	8.0	Each	554.00	4432.00
(b)	63 amps FP	8.0	Each	554.00	4432.00
	<b>Recess/Surface Mounting Fittings</b>				
27.0	Supplying and fixing of 20W decorative integrated LED batten light. The Housing in extruded aluminium natural anodized finish, High efficiency Led mounted on PCB, high efficiency translucent diffuser similar to WIPRO CAT. REF. LL20-221-XXX-60-XX or equivalent.	48.0	Each	2880.92	138284.39
28.0	Supplying and fixing of 12W decorative integrated LED batten light. The Housing in extruded aluminium natural anodized finish, High efficiency Led mounted on PCB, high efficiency translucent diffuser similar to WIPRO CAT. REF. LL20-111-XXX-60-XX.	20.0	Each	1998.92	39978.45
29.0	Supplying installation testing and commissioning of factory assembled 35W Recess mounted square LED downlighter of CRCA powder coated housing with soft, aesthetic bottom frame with high efficiency transluence similar to WIPRO CAT. REF. LM15-361-XXX-57-XX or equivalent.	100.0	Each	5434.79	543479.14
30.0	Supplying installation testing and commissioning of factory assembled 12W surface mounted circular LED downlighter of die cast housing made of aluminium and white powder coated with high efficiency transluence (HET) diffuser similar to WIPRO CAT. REF. CRDL11S017HP57 or equivalent.	100.0	Each	3667.77	366777.32



31.0	Supplying installation testing and commissioning of factory assembled 8W surface mounted circular LED downlighter of die cast housing made of aluminium and white powder coated with high efficiency translucence (HET) diffuser similar to WIPRO CAT. REF. CRDL 11S008HP57 or equivalent.	24.0 ✓	Each	3170.26	76086.27
32.0	Supply of following size special design energy saving ceiling fans similar to Havell's Areole with low power consumption aluminum motor covers of larger diameters complete with double ball bearings. Aluminium blades, down rod, shackle insulator, canopy but without regulator etc complete as required or equivalent.				
	1200 mm sweep	100.0 ✓	Each	3211.33	321133.18
33.0	Supplying of Heavy duty capacitor start single phase ISI marked 300 mm dia Single Phase Industrial duty 4 pole 1400 rpm exhaust fan complete with louver, bird screen etc. and with 3 core flexible wire lead as required Havells make or equivalent.	16.0 ✓	Each	4471.83	71549.31
	<b>MAIN L.T PANEL CUM METERING PANEL#1</b>				
34.0	Supply installing testing & commissioning of out door type Distribution Panel compartmentalized design, dust tight & vermin proof made out of 14 gauge M.S. sheet, stove powder coated complete as required with following incoming & outgoing as per detail below.				
	<b>Incoming</b>				
	160Amp. FP MCCB 1 No.				
	<b>Bus Bar</b>				
	200 Amp. TPN Alu. Bus bar With Colored Sleeves 1 Nos.				
	<b>Outgoing</b>				
	63 Amp. TP MCB 2 No.				
	63 Amp. FP MCB 4 No.				
	40 Amp. FP MCB 3 No.	4.0 ✓	Each	140783.55	563134.21
	32 Amp. FP MCB 3 No.				
	<b>INSTRUMENTS</b>				
	1 Nos. Multi function meter with (volt. Amp. Kwh, kva, kw)				
	1 Sets of phase indicating lights (RYB) with protection fuses (one set for each incoming breaker).				
	1 Sets breaker 'ON' & 'OFF' indicating lamp (one set for each incoming breaker)				
	1 Sets auto trip indicating lamp				
	Note- 1-Short Circuit Capacity Should not less than 15kAmp.				
	<b>CABLES</b>				
35.0	Supply of 2core and 4 core 1.1 KV LT power cable with solid/stranded compacted aluminium conductor, XLPE insulated colour coated, Laid up, PVC inner sheathed armoured with single layer of galvanized round wire or flat strip and over all ST-2 Grade PVC sheathed conforming to IS 7098 (part-1) and ISI marked.				
a	4 Core 16 sq.mm	140.0 ✓	Meter	262.06	36688.28
b	3.5 Core 95 sq.mm	320.0 ✓	Meter	845.54	270573.85
36.0	Supply, installation, testing & commissioning of Main Distribution Frame (MDF) 10 lines	4.0 ✓	Each	2340.00	9360.00
37.0	Supply, installation, testing & commissioning 10 pair telephone cable	40.0 ✓	Meter	98.00	3920.00
	<b>SUB HEAD -3 : NON SCHEDULE ITEMS</b>				
1	Providing and fixing swivel mirror. JAQUAR CAT.. NUMBER (ACN-1195N)	12.0 ✓	Each	2510.85	30130.21
2	Providing and fixing (0.3 micron Chrom and 10 micron Nickel plated) Bottle Trap for wash basin and sink / URINAL				
a	Bottle Trap (with Internal Partition) 32mm Size with 250mm & 190mm Long Wall	12.0 ✓	Each	1363.42	16361.03
3	Providing and fixing in position best indian C. P. Brass made (0.3 micron Chrom and 10 micron Nickel plated) Soap Dish Holder JAQUAR CAT.. NUMBER (ACN-1131N)	12.0 ✓	Each	573.72	6884.59
4	Providing and fixing in position best indian C. P. Brass made (0.3 micron Chrom and 10 micron Nickel plated) Single Towel Rail 600 mm long JAQUAR CAT.. NUMBER. (ACN-1111NM)	12.0 ✓	Each	1108.87	13306.43
5	Providing and fixing in position best indian Health Faucet with 8mm dia 1 meter long Flexible Tube and wall bracket with N. R. V. (non-return wall) JAQUAR CAT.. NUMBER (ALD-573)	16.0 ✓	Each	1646.90	26350.44
6	Extra for providing & fixing 125 mm dia C.P. grating in place of C.I. grating over floor traps.(SUDHAKAR U.V.RESISTANT PVC SWR PIPES & FITTINGS)	24.0 ✓	Each	119.51	2868.24
	<b>Total (C)</b>				<b>2674421.17</b>
				<b>Total : (B)+(C)</b>	<b>58,179,230.78</b>

**Part-B**

<b>1.0</b>	<b>(SH: - 1.0 - EARTH WORK)</b>				
<b>1.1</b>	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m , disposal earth to be levelled and neatly dressed.	576.72	Cum	181.85	104877
	a) All Kinds of soil				
<b>1.3</b>	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	143.86	Cum	219.65	31600
<b>1.4</b>	Excavating trenches of required width for pipes, cables etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within of a lead of 50 m : a) In all kinds of soil.				
	(a) Pipes, cables etc, not exceeding 80 mm dia.	450.00	Metre	223.00	100350
<b>1.5</b>	Supplying and filling in plinth with Fine sand under floors, foundations etc.including watering, ramming, consolidating and dressing complete	420.00	Cum	1953.05	820281
<b>1.6</b>	Carriage of materials by mechanical transport including loading, unloading and stacking complete for a distance of 5 km.				
	(a) Earth	458.86	Cum	201.83	92613
<b>1.7</b>	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	2511.00	100 SQM	12.55	315
<b>1.8</b>	Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
<b>i</b>	Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete:				
	With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration	450.00	meter	15.40	6930
<b>ii</b>	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor :				
	With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration	1050.00	Sqm	227.05	238403
<b>2</b>	<b>(SH: - 2.0 - CONCRETE WORK)</b>				
<b>2.1</b>	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.				

	(a) 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	162.67	Cum	5789.60	941806
	(b) 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	60.00	Cum	6788.60	407316
2.2	Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	170.48	Sqm	418.90	71413
2.3	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth	270.00	Sqm	614.05	165794
3	<b>(SH: - 3.0 - R.C.C. WORK)</b>				
3.1	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural element but excluding the cost of centering, shuttering, finishing and reinforcement including admixtures in recommended proportion (as per IS:9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-Charge; M-25 grade reinforced cement concrete by using 380 kg of cement per cum of concrete.				
	(a) All work upto plinth level	270.18	Cum	7997.30	2160743
	(b) All work from plinth level upto floor V level.	332.25	Cum	9400.85	3123411
3.2(a)	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Upto plinth level				
	(a) Thermo-Mechanically Treated bars (Fe - 500)	23199.66	KG	83.50	1937171
3.2(b)	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Above plinth level				
	(a) Thermo-Mechanically Treated bars (Fe - 500)	26081.45	KG	83.50	2177801
3.3	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	25.35	Cum	7296.35	184984
3.5	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centering, shuttering, finishing smooth with 6 mm thick cement plaster 1:3 (1 cement: 3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size)	1.76	Cum	8886.35	15613
3.6	Centering and shuttering including strutting, propping etc. and removal of form for :				
	(a) Foundations, footings, bases of columns etc. for mass concrete.	528.48	Sqm	284.85	150538
	(b) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	338.04	Sqm	609.30	205968
	(c) Suspended floors, roofs, landings, balconies and access platform.	1251.36	Sqm	693.05	867255
	(d) Lintels, beams, plinth beams, girders, bressumers and cantilevers.	216.06	Sqm	552.05	119277

	(e) Columns, Pillars, Piers, Abutments, Posts and Struts.	1057.78	Sqm	733.70	776092
	(f) Stairs, (excluding landings) except spiral - staircases.	61.38	Sqm	622.35	38200
	(g) Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	38.40	Sqm	284.85	10938
	(h) Edges of slab and breaks in floors and walls under 20 cms wide	450.00	Metre	173.25	77963
3.7	Add or deduct for plaster drip course/groove in plastered surface or moulding of R.C.C. projections.	600.00	Metre	58.90	35340
4	<b>(SH: - 4.0 - BRICK WORK)</b>				
4.1	Brick work with FPS bricks of class designation 75 in superstructure above plinth up to floor five level in all shapes and sizes in :				
	(a) Cement mortar 1:6 (1 Cement : 6 coarse sand)	212.85	Cum	7590.45	1615642
4.2	Half brick masonry with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level.				
	(a) Cement mortar 1:4 (1 Cement : 4 coarse sand)	910.76	Sqm	932.10	848915
4.3	Extra for providing and placing in position 2 Nos. 6 mm dia M.S. bars at every third course of half brick masonry (with F.P.S. bricks)	910.76	Sqm	80.10	72951
5	<b>(SH: - 5.0 - (MARBLE WORK)</b>				
5.1	Providing and fixing 18mm thick gang saw cut mirror polished, premoulded and prepolished machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.				
	(a) Granite of any colour and shade				
	(i) Area of slab over 0.50 sqm	25.76	Sqm	4007.65	103229
5.2	Extra for fixing marble/granite stone over and above item no.5.1, in facia and drops of width upto 150mm with epoxy resin based adhesive including cleaning etc. complete	42.93	Metre	434.25	18642
5.3	Extra for providing opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete.	24.00	Each	734.55	17629
6	<b>(SH: - 6.0 - WOOD WORK)</b>				
6.1	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
	(b) 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	73.40	Sqm	2756.35	202302
6.2	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	342.00	Each	179.20	61286
6.3	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :				



	(a) 300x16 mm	114.00	Each	257.15	29315
6.4	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
	(a) 300x10 mm	150.00	Each	116.80	17520
	(b) 150x10 mm	216.00	Each	75.00	16200
6.5	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.				
	(a) Twin rubber stopper	75.00	Sqm	62.05	4654
6.6	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
	(a) 125 mm	150.00	Each	59.65	8948
	(a) 75 mm	105.00	Each	45.90	4820
6.7	Providing and fixing aluminium casement stays, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.	105.00	Each	62.55	6568
6.10	Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm ( $\pm 0.2$ mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.	133.20	Meter	456.80	60846
6.11	35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm ( $\pm 0.2$ mm) thick, having styles & rails (except lock rail) of size 95 mm x 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitred cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge				
	Decorative finish (wood grained finish)	43.20	Sqm	3842.85	166011
7	(SH: - 7.0 - STEEL WORK)				

7.1	Steel work in built up tubular ( round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
	(a) Hot finished seamless type tubes	720.00	KG	157.50	113400
7.2	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	450.00	Sqm	125.80	56610
7.3	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing and staircase railing including applying a priming coat of approved steel primer.				
	(a) M.S. tube	720.00	KG	145.65	104868
7.5	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strikeplate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer -in- charge				
i	Profile B				
	Fixing with adjustable lugs with split end tail to Each jamb	228.30	metre	417.60	95338
7.6	Providing and fixing carbon steel galvanised ( minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm <sup>2</sup> ), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
	10 x 80 mm	1260.00	Each	109.00	137340
7.7	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :				
	5.5 mm thick glass panes	89.70	Each	1194.85	107178
8	<b>(SH: - 8.0 - FLOORING WORK)</b>				
8.1	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
	(a) 25 mm thick	591.37	Sqm	1531.85	905885
8.2	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	42.78	Sqm	1810.05	77437



8.3	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	925.80	Sqm	1030.30	953850
8.4	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), including grouting the joints with white cement and matching pigments etc., complete.	203.58	Sqm	1088.40	221573
8.5	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.				
	(b) Size of Tile 600x600 mm	540.03	Sqm	1500.55	810347
8.6	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.				
	(b) Size of Tile 600x600 mm	63.04	Sqm	1545.85	97451
8.7	Chequered precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
	Medium shade pigment using 50% white cement 50% Grey cement	855.18	Sqm	1104.25	944333
9	<b>(SH: - 9.0 - ROOFING WORK)</b>				
9.1	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edge sand making and finishing the outlet complete.	12.00	Each	244.05	2929
9.2	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
	In 75x75 mm deep chase	525.00	Each	237.25	124556
10	<b>(SH: - 10.0 - FINISHING WORK)</b>				
10.1	6 mm cement plaster to ceiling of mix :	1312.74	Sqm	227.35	298451
	(a) 1:3 (1 Cement : 3 fine sand)				
10.2	12 mm cement plaster of mix :	2835.37	Sqm	266.85	756618
	(a) Cement mortar 1:4 (1 cement: 4 fine sand)				

10.3	20 mm cement plaster of mix : (a) 1:4 (1 Cement : 4 fine sand)	2635.84	Sqm	365.25	962740
		4148.11	Sqm	196.70	815933
10.4	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete				
10.6	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :	4148.11	Sqm	153.45	636527
	(a) New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm				
10.7	Finishing walls with textured exterior paint of required shade :	2635.84	Sqm	232.00	611515
	(a) New work (two or more coats) over and including water thinnable priming coat with cement primer				
12.0	<b>(SH: -11 - ALUMINIUM WORKS)</b>				
12.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Glazing and paneling to be paid for separately) :				
a)	For fixed portion.				
i	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	1573.65	KG	464.70	731275
b)	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
i	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	849.70	KG	554.95	471541
12.2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
i	With float glass panes of 5.50 mm thickness	0.00	Sqm	999.60	0
ii	With float glass panes of 8 mm thickness	48.60	Sqm	1462.35	71070
12.3	Filling the gap in between aluminium frame and adjacent RCC/Brickwork/ Stone Work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge				
i	Upto 5mm depth and 5mm width	377.40	metre	79.45	29984
13	<b>(SH: -12 - WATER PROOFING)</b>				
13.1	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:				

	1) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including round off junctions of vertical and horizontal surface.				
	2) 2nd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion round off junctions of vertical and horizontal surface.				
	3) 3rd course of applying blown or residual bitumen applied hot at 1.7 kg/sqm of area.				
	4) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm.)	65.99	Sqm	705.70	46566
13.2	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc. consisting of following operations				
	a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS.2645 and approved by Engineer-in-charge over the Reinforced cement concrete slab including adjoining walls upto 300mm height including cleaning the surface before treatment.				
	b) Laying brick bats with mortar using broken bricks/bricks bats 25mm to 115mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer cement mortar of mix 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				
	c) After two days of proper curing applying second coat of cement slurry using 2.75kg/sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge.				
	d) Finishing the surface with 20 mm thick joint less cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300 X 300 mm square. 3mm deep.				
	e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-charge				
	(i) With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	1050.00	Sqm	1398.50	1468425
<b>Internal Electrical Work.</b>					
1.0	Point wiring in PVC conduit, with modular type switch.				

	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required.				
(a)	<b>Group b.</b>	306.00	Point	783.00	239598
<b>2.0</b>	<b>Twin control point wiring in PVC conduit, with modular type switch</b>				
	Wiring for twin control light point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required.	6.00			6342
			Point	1057.00	
<b>3.0</b>	<b>Circuit/ submain wiring in PVC conduit:</b>				
	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required.				
(a)	2 x 2.5 sq. mm + 1 x 2.5 sq mm earth wire	1140.00	Meter	167.00	190380
(b)	2 x 4 sq. mm + 1 x 4 sq mm earth wire	1452.00	Meter	200.00	290400
(c)	4 x 10 sq. mm + 2 x 10 sq mm earth wire	255.00	Meter	543.00	138465
<b>4.0</b>	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required				
	2 Pair	90.00	Meter	20.00	1800
<b>5.0</b>	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required	195.00	Meter	33.00	6435
<b>6.0</b>	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required.				
a	25 mm	150.00	Meter	90.00	13500
<b>7.0</b>	<b>S/F Power plug Point Modular type accessories:</b>				
	Supplying and fixing of metal box of GI box with modular plate and cover in front on surface or in recess, including providing and fixing of 3 pin 5/6 amps. modular socket outlet and 5/6 amps. modular switch, connections, painting etc. as required. (For light plugs).	81.00	Each	401.00	32481
<b>8.0</b>	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a	Telephone outlet	3.00	Each	119.00	357
b	TV antenna socket outlet	6.00	Each	119.00	714
<b>9.0</b>	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required				
a	1 or 2 Module (75mmX75mm)	9.00	Each	243.00	2187
<b>10.0</b>	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 & 5/6 amps modular socket outlet and 15/16 amps modular switch, connection, painting etc. as required.	63.00	Each	495.00	31185
<b>11.0</b>	Supply and fixing of angle batten holder.	36.00	Each	117.00	4212
	<b>S/F modular type electronic fan regulator:</b>				
<b>12.0</b>	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	48.00	Each	342.00	16416



13.0	Providing and fixing circular/hexagonal cast iron or M.S sheet box for ceiling fan clamps of internal dia 150 mm & 73mm in height top laid of 1.5 mm thick MS sheet with its top hanged for proper bonding, top lid shall be screwed in cast iron/ MS sheet box by mean of 3.3mm dia round headed screws one lock at the corners	48.00	Each	172.25	8268
	Numbering of fan/ fittings:				
14.0	Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as required.	303.00	Each	48.00	14544
15.0	Fixing louvers/ shutters for exhaust fan:				
	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	24.00	Each	168.00	4032
16.0	<b>S/F prewired TPN MCB DB:</b>				
	Supplying and fixing testing following way, three pole and neutral, sheet steel ,MCB distribution board, 415 volt, on surface or recess complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing as extra as required but without MCCB/RCCB/ISOLATOR.				
(a)	<b>4 way (4+12), Double door,</b>	6.00	Each	3068.00	18408
(b)	<b>6 way (4+18), Double door,</b>	3.00	Each	3693.00	11079
	<b>S/F VTPN MCB DB:</b>				
17.0	Supplying and fixing following way prewired vertical type TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FRLS PVC insulated copper conductor upto the terminal connector/ neutral link, earthing etc as required (But without MCB/ RCCB/ Isolator). (Note : Prewired vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
	<b>8 way Double door</b>	3.00	Each	7744.00	23232
18.0	Providing and fixing following rating and breaking capacity and pole MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
	<b>125 Amp, 36KA, FPMCCB</b>	3.00	Each	7504.00	22512
19.0	Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'C' series miniature circuit breaker suitable for lighting and other loads of following poles in existing MCB DB complete with connections, testing and commissioning etc. as required.				
	<b>Single pole 6/10/16/20/32 amps.</b>	126.00	Each	199.00	25074
20.0	<b>S/F TPN MCB:</b>				
	Supplying and fixing following rating, four pole, 415 volts, three phase and neutral MCB having 10KA breaking capacity in existing MCB DB complete with connections testing and commissioning as required				
(a)	<b>32 amps FP MCB</b>	18.00	Each	1092.00	19656
	<b>Earthing</b>				
21.0	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including ac	6.00	Each	5308.00	31848
22.0	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for	105.00	Meter	57.00	5985
	<b>END TERMINATION</b>				
23.0	Supplying and making cable end terminations with brass compression gland and aluminium lugs for folowing sizes of 3.5 Core and 4 Core PVC insulated PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade, complete as required.				

a	3.5 Core 50 sq.mm	3.00	Each	329.00	987
b	4 x 10 Sq. mm.	21.00	Each	219.00	4599
24.0	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket	3.00	Each	1232.00	3696
<b>SANITARY FITTINGS</b>					
1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required				
	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	9.00	Each	5421.50	48794
2	Providing and fixing white vitreous china pedestal type (European type W.C. pan) with seat and lid, 10 litre low water closet level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
a	W.C. pan with ISI marked white solid plastic seat and lid	12.00	Each	5260.95	63131
3	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :				
	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	3.00	Each	9360.60	28082
4	Providing & fixing white vitreous china wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fitting and brackets, cutting & making good the walls wherever required				
a	Flat back Wash Basin size 550X400 mm with a pair of 15mm C. P. brass pillar taps	27.00	Each	2846.9	76866
	Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting the fittings and brackets, cutting and making good the walls wherever required:				
	White glazed fire clay kitchen sink of size 600x450x 250 mm	3.00	Each	3163.25	9490
5	Providing and fixing M.S holder-bat clamps of approved design to Sand Cast iron/ cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.				
a	100 mm dia. pipe	54.00	Each	287.45	15522
b	75 mm dia. pipe	12.00	Each	283.4	3401
6	Providing and fixing soil, waste and vent pipes:				
a	100 mm dia				
	Centrifugally cast (spun) iron socket pipe as per IS:3989	240.00	Meters	1092.2	262128
b	75 mm dia				
	Centrifugally cast (spun) iron socket pipe as per IS:3989	180.00	Meters	992.05	178569
7	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
a	100 mm				
	Sand cast iron S&S as per IS-3989	6.00	Each	461.65	2770
b	75 mm dia				
	Sand cast iron S&S as per IS- 3989	6.00	Each	384.75	2309
8	Providing and fixing plain bend of required degree				
a	100 mm dia				
	Sand cast iron S&S as per IS : 3989	33.00	Each	390.75	12895
b	75 mm dia				
	Sand cast iron S&S as per IS : 3989	6.00	Each	289.75	1739
9	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
a	100x100x100 mm				
	Sand cast iron S&S as per IS - 3989	6.00	Each	602.15	3613



b	75x75x75 mm				
	Sand cast iron S&S as per IS - 3989	6.00	Each	549.35	3296
10	Providing and fixing single equal plain junction of required degree :	0.00			0
a	100x100x100 mm	0.00			0
	Sand cast iron S&S as per IS - 3989	6.00	Each	667.7	4006
b	75x75x75 mm	0.00			0
	Sand cast iron S&S as per IS - 3989	6.00	Each	470.4	2822
11	Providing and fixing terminal guard :				
	100mm				
	Sand cast iron S&S as per IS - 3989	6.00	Each	389.4	2336
	75mm				
	Sand cast iron S&S as per IS - 3989	6.00	Each	309.85	1859
12	Providing lead caulked joints to sand cast iron /centrifugally cast(spun) iron pipes and fittings of diameter:				
a	100 mm	96.00	Each	481.45	46219
b	75mm	72.00	Each	407.90	29369
13	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the wall and floor:				
a	100 mm inlet and 75 mm outlet				
	Sand cast iron S&S as per IS:3989	12.00	Each	1579.45	18953
<b>SUB HEAD -2 :WATER SUPPLY</b>					
1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
	Internal work-Exposed on wall				
c	25mm dia nominal outer dia pipes	120.00	Meters	369.2	44304
d	32mm dia nominal outer dia pipes	75.00	Meters	480.55	36041
e	40mm dia nominal outer dia pipes	60.00	Meters	648.6	38916
f	50mm dia nominal outer dia pipes	45.00	Meters	903.50	40658
2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.				
a	15mm dia nominal outer dia pipes	270.00	Meters	409.65	110606
b	20mm dia nominal outer dia pipes	180.00	Meters	478.15	86067
3	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
	15 mm nominal bore	6.00	Each	338.7	2032
	20 mm nominal bore	6.00	Each	386.4	2318
	25 mm nominal bore	9.00	Each	394	3546
4	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
a	25 to 40 mm nominal bore each	9.00	Each	673.45	6061
b	50 to 80 mm nominal bore each	6.00	Each	1432.75	8597
6	Providing and fixing C.P. brass bib cock of approved quality .				
a	15 mm nominal bore:	30.00	Each	302.55	9077
5	Providing and fixing gun metal gate valve of with C.I. wheel of approved quality( screwed end):				
a	25 mm nominal bore. each	9.00	Each	497.15	4474
c	32mm nominal bore. each	6.00	Each	581.25	3488
6	Providing and fixing C.P. brass angle valve for basin mixture and geyser points of approved quality confirming to IS:8931 a) 15 mm nominal bore				
a	15 mm nominal bore	60.00	Each	532.00	31920
<b>SUB HEAD-1: DRAINAGE</b>					

1	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2, (1 cement : 2 fine sand) including testing of joints etc. complete.				
a	150 mm dia. R.C.C. pipe	120.00	metre	462.60	55512
b	200 mm dia. R.C.C. pipe	240.00	metre	694.00	166560
c	250 mm dia. R.C.C. pipe	120.00	metre	754.45	90534
2	Providing and fixing square mouth S.W. gully trap grade "A" complete with CI grating brick masonry chamber with water tight C.I. cover with frame of 300X300 size (inside) the weight of cover not to be less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				
a	100X100 mm size P Type				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	12.00	Each	2307.00	27684
3	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement complete as per standard design:				
a	Inside size 90X80 cm and 45 cm deep including C.I. cover with frame light duty 455X610 internal dimensions total weight of cover and frame not less than 38 kg ( weight of cover 23 kg and weight of frame 15 kg)				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	15.00	Each	10905.05	163576
4	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	15.00	Each	5209.10	78137
5	Constructing brick masonry road gully chamber 45x45x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand ) with precast R.C.C. vertical grating complete as per standard design :				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	9.00	Each	5794.85	52154
<b>SUB HEAD-2:SEPTIC TANK AND SOAK PIT</b>					
1	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3.00	Each	25278.75	75836
3	Construction septic tanks conforming to IS:2470 with brick work in cement mortar 1:4 with coarse sand top slab in RCC 1:2:4 mix with necessary reinforcement, Precast RCC baffle walls, 12 mm thick plaster inside with cement mortar 1:3 with coarse sand finished with a floating coat of neat cement, flooring with cement concrete 1:2:4 laid to slope of minimum thickness 100 mm, finished with 12 mm thick cement plaster 1:3 in coarse sand in finished with a floating coat of neat cement outside plaster 15 mm thick with cement mortar 1.5 in fine sand cast iron tees of required size for inlet and outlet CI vent pipe 50 mm dia with mosquito proof nets and 32 mm dia brass wheel valve for removal of sludge, including SFRC manhole covers with frames, light duty 600X450 mm size and plastic encapsuled MS foot rests at 300 mm intervals complete excluding excavation and refilling for				
	two year cleaning cycle				
	50 users	3.00	each	275864.01	827592
	<b>Total (A)</b>				<b>33724456.02</b>
	<b>COST INDEX 10% OF (A)</b>				<b>3372445.602</b>
	<b>TOTAL (B)</b>				<b>37096901.62</b>
<b>Non-Schedule Item</b>					
2.0	Supply installation testing and commissioning of 9W LED Lamp similar to POLYCAB CAT. REF. LPL1500501.	36.00	Each	866.11	31180.04

3.0	Supply, installation, connecting, testing and commissioning of LED 4ft Batten with a nominal system lumen output of 2000 lumens and a minimum system efficacy of 100 lm/W. The luminaire shall have a rated system lifetime of 25,000 burning hours at L70. The luminaire should have a color temperature of 6500K and CRI>80. The luminaire shall meet IP20 rating with THD < 10% and PF > 0.9. The luminaire housing should be made of extrusion Al with a PC diffuser. The total power consumption should not exceed 21W (including driver). Including connection with 1.5 sqmm FRLS PVC insulated copper conductor Similar to Philips Make BN021 LED20S / BAJAJ BCLAB 20W or Eq. of GE, Trilux, Lighting Technology	30.00	Each	2054.00	61620.00
4.0	Supplying, fixing, connecting, testing and commissioning of LED light luminaire with 10W watt complete with electronic ballast, lamp including connection etc. complete as required, including connection with 1.5 sqmm FRLS PVC insulated copper conductor. Similar to Philips Cat. No. ULTRON, STYLISH LIVING BAJAJ BCLSB 10W or Eq. of GE, Trilux, Lighting Technology	24.00	Each	683.00	16392.00
5.0	Supply and fixing of Recess mounting round 6 Watt 8 Watt, LED Down Lighter, suitable for 24Hr Continuous Operation, 660-880 system lumens, 110lm/W, PF>0.95, THD <10% at full load, CRI>80, Avg Life Class 50000Hrs @L70, complete in all respect, Make : Philips / BajajBGSLO Sleek or Eq. of GE, Trilux, Lighting Technology	36.00	Each	1601.00	57636.00
6.0	Supply and fixing of Surface mounting round 13 Watt 15 Watt, suitable for 24Hr Continuous Operation, 100lm/W, PF>0.95, THD <10% at full load, CRI>80, Avg Life Class 50000Hrs @L70, complete in all respect Make Philips / Bajaj BAJAJ BPSLR 15W or Eq. of GE, Trilux, Lighting Technology	54.00	Each	2203.00	118962.00
7.0	Supplying, erection, connecting, testing and commissioning of 1200mm sweep ceiling fan complete with blades, down rod, shackle insulator, canopy etc. including connection with 1.5 sqmm FRLS PVC insulated copper conductor, MAKE: BAJAJ Excel Star OR EQ.				
(a)	1200 mm sweep	27.00	Each	2088.00	56376.00
8.0	Supplying, erection, connecting, testing and commissioning of 1400mm sweep ceiling fan complete with blades, down rod, shackle insulator, canopy etc. including connection with 1.5 sqmm FRLS PVC insulated copper conductor. MAKE: BAJAJ SPEED STER OR EQ.	24.00	Each	2236.00	53664.00
<b>External Lights &amp; Poles</b>					
9.0	SITC of Single Arm Bracket 1000 mm Long 48.3 OD GI Pipe with	12.00	Each	640.00	7680.00
10.0	Supply installation testing and commissioning of 25W Skyline LED	12.00	Each	9508.44	114101.27
<b>CABLES</b>					
11.0	Supply of 3.5core and 4 core 1.1 KV LT power cable with solid/stranded compacted aluminium conductor, XLPE insulated colour coded, Laid up, PVC inner sheathed armoured with single layer of galvanized round wire or flat strip and over all ST-2 Grade PVC sheathed conforming to IS 7098 (part-1) and ISI marked.				
a	4 Core 10 sq.mm	45.00	Meter	288.45	12980.20
b	3.5 Core 50 sq.mm	150.00	Meter	567.61	85141.98
2	Providing and fixing swivel mirror <b>JAQUAR CAT.. NUMBER (ACN-1195N)</b>	27.00	Each	2624.98	70874.48
3	Providing and fixing (0.3 micron Chrom and 10 micron Nickel plated) Bottle Trap for wash basin and sink / URINAL				
a	Bottle Trap (with Internal Partition) 32mm Size with 250mm & 190mm Long Wall Connection Pipes & Wall Flange Also available <b>JAQUAR CAT.. NUMBER (ALD-769L250x190)</b>	27.00	Each	1439.51	38866.65
4	Providing and fixing in position best indian C. P. Brass made (0.3 micron Chrom and 10 micron Nickel plated) Soap Dish Holder <b>JAQUAR CAT.. NUMBER (ACN-1131N)</b>	27.00	Each	620.96	16766.01
5	Providing and fixing in position best indian C. P. Brass made (0.3 micron Chrom and 10 micron Nickel plated) Single Towel Rail 600 mm long <b>JAQUAR CAT.. NUMBER. (ACN-1111NM)</b>	24.00	Each	1270.15	30483.65
6	Providing and fixing in position best indian shower rose 200mm SS rain dia body and face chrome plated, brass made body, Silicon based Rubit cleaning nozzels, <b>PARRYWARE CAT.. NUMBER (T9934A1)</b>	12.00	Each	1428.22	17138.58

7	Providing and fixing in position best indian Health Faucet with 8mm dia 1 meter long Flexible Tube and wall bracket with N. R. V. (non-return wall). <b>JAQUAR CAT.. NUMBER (ALD-573)</b>	21.00	✓ Each	1721.76	36156.99
8	Providing and fixing in position best indian single Lever Auto Mixing Wall Mixer (Cartridge Size 40mm, nickel plating 0.10 micron and chrome plating 0.3 micron) for Shower area use only <b>PARRYWARE CAT.. NUMBER (G3416A1)</b>	18.00	✓ Each	3641.10	65539.84
9	Extra for providing & fixing 125 mm dia C.P. grating in place of C.I. grating over floor traps. <b>(SUDHAKAR U.V.RESISTANT PVC SWR PIPES &amp; FITTINGS)</b>	30.00	✓ Each	119.51	3585.30
				(C)	895145.00
	<b>TOTAL (B) + (C) OF PART-B =</b>				<b>37992046.62</b>
	<b>Total : Part (A) + Part (B) =</b>				<b>96171277.40</b>

Executive Engineer (B&I)  
Dr. RPCAU Pusa

# VOLUME - II

Construction of Proposed Administrative building & Farmer Hostel at KVKs under Dr.  
Rajendra Prasad Central Agricultural University, Pusa (Samastipur) Bihar

## PRICE BID

(A.) List of Enclosers:-

- a) Details of earnest Money deposited:-
- b) Registration No. :-  
(Certified copy to be enclosed)
- c) I.T & G.S.T. Clearance Certificates:-
- d) License Issued by the labour Deptt. :-
- e) Details of documents attached:-
- f) Name and address of the Contractor:-
- g) Signature of tenderers:-

---

I/We undertake to execute the work at :-

- I. As per Estimate/Analysis rates shown in the Bill of Quantities.
- II. (i) In word \_\_\_\_\_ Percent above the rates show in the bill of quantities.  
(ii) In figure \_\_\_\_\_ Percent above the rates shown in the bill of quantities.
- III. (a) In word \_\_\_\_\_ Percent below the rates shown in the bill of quantities.  
(b) In figure \_\_\_\_\_ Percent below the rates shown in the bill of quantities.

I/we undertake to complete the work within \_\_\_\_\_  
calendar months from the date of issue of work order.

I/we have read and fully understood the terms and condition of the  
University contract form F2 and the N.I.T and special conditions attached herewith.

Name & full signature of the Tenderer

 21.08.20

Executive Engineer (Civil)  
Dr. RPCAU Pusa

- i. No. of Cutting
- ii. No. of over writing
- iii. Rate quoted by agency

Executive Engineer (Civil)  
Dr. RPCAU Pusa