

**Central University of Punjab  
Bathinda**

**MINUTES**



**17<sup>th</sup> Meeting**  
of the  
**FINANCE COMMITTEE**

**29<sup>th</sup> March 2017**

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**MINUTES of the SEVENTEENTH MEETING  
of the FINANCE COMMITTEE  
held at INSA, New Delhi on 29<sup>th</sup> March 2017**

The Seventeenth (17<sup>th</sup>) Meeting of the Finance Committee was held on 29<sup>th</sup> March 2017 at 11:00 a.m. in the Board Room, Indian National Science Academy (INSA), New Delhi.

The following members attended the meeting:

- |   |   |                                       |
|---|---|---------------------------------------|
| 1. Prof. R.K. Kolhi, Vice Chancellor        | : | Vice Chancellor & <b>Chairman</b>     |
| 2. Prof. S.S. Chahal                        | : | Member                                |
| 3. Prof. A.K. Mohapatra                     | : | Member                                |
| 4. Sh. D.R.K. Rao<br>Deputy Secretary, MHRD | : | Nominee of Joint Secretary (CU&L)MHRD |
| 5. Sh. V. Talreja<br>Section Officer, UGC   | : | Nominee of Joint Secretary (CU), UGC  |
| 6. Prof. P. Ramarao                         | : | Member                                |
| 7. Prof. Jagdeep Singh                      | : | Registrar (Special Invitee)           |
| 8. Sh. Ajit Singh                           | : | Finance Officer & <b>Secretary</b>    |

The Chairman formally welcomed the members of the Finance Committee and thanked them for sparing their valuable time from their busy schedules to attend the urgent 17<sup>th</sup> meeting of the Finance Committee at such a short notice.

The Chairman initiated the proceedings by requesting the Secretary to present the agenda items in sequence.

**Item:FC:17:2017:1**

**To confirm the minutes of the 16<sup>th</sup> Meeting of Finance Committee held on 17<sup>th</sup> March 2017.**

The Secretary apprised the members that the draft minutes of the 16<sup>th</sup> meeting of the Finance Committee were circulated to all the members of the Finance Committee on 20<sup>th</sup> March 2017.

The Deputy Secretary (Finance) Department of Higher Education, MHRD vide his email dated 29<sup>th</sup> March 2017 (**Annexure-17.1**) submitted that minutes in respect of Agenda Item 10, 11 and 21 are not approved. The comments of MHRD vide email dated 10<sup>th</sup> March 2017 (**Annexure-17.2**) were reiterated which are as reproduced below:

**FC:16:10:** To consider the term and conditions for appointment of Arbitrator of CUPB. Matter may be referred to UGC/MHRD for advice.

**Comments of MHRD:** Such open ended proposal without specific detail can not be supported.

In 16<sup>th</sup> FC meeting, "The Finance Committee considered the terms and conditions for appointment of arbitrator and RESOLVED to take recommendations of an appropriate authority like Ministry of Law and Justice, into consideration before finalizing the terms and conditions for such appointment."

This item is in concurrence with observations of MHRD.

FC:16:11: To consider the amenities/facilities for the officials of the University.

Comments of MHRD: Such open ended proposal without specific detail can not be supported.

In 16<sup>th</sup> FC meeting, "The Finance Committee considered the agenda item and RESOLVED to recommend this agenda item to EC after specific Ordinances are framed by the University. These should preferably be in line with the Model Ordinances of April 2002."

Again, this item is in concurrence with comments received from MHRD.

FC:16:21: To consider the minutes of the 35<sup>th</sup> meeting of the Building Advisory Committee held on 15<sup>th</sup> February, 2017.

Comments of MHRD: There is no clarity in the proposal is not supported.

In 16<sup>th</sup> FC meeting, "The Finance Committee considered the agenda item and RESOLVED to rully the recommendations of the Building Advisory Committee given in its 35<sup>th</sup> meeting, in light of the advice of FC."

The resolves of 35<sup>th</sup> BAC which had financial implications were considered separately and are again put up for consideration of FC in the current meeting along with supporting recommendations of the BAC (36<sup>th</sup> meeting), Abstract of Cost and Rate Conformity Certificate as per UGC norms. Further, as such the minutes of 35<sup>th</sup> BAC were approved by FC in its 16<sup>th</sup> meeting.

## **RESOLVE**

**The Finance Committee unanimously RESOLVED to confirm the minutes of the 16<sup>th</sup> Meeting of Finance Committee held on 17<sup>th</sup> March 2017 with incorporation of above comments of MHRD.**

### **Item:FC:17:2017:2**

**To note the Actions Taken Report (ATR) on the decisions of 16<sup>th</sup> Meeting of Finance Committee held on 17<sup>th</sup> March 2017.**

The Secretary informed that the 16<sup>th</sup> Meeting of Finance Committee was held on 17<sup>th</sup> March 2017.

The current meeting of FC on 29<sup>th</sup> March 2017, is an urgent meeting primarily to consider the Items deferred in the last meeting (17<sup>th</sup> March), with a short gap in between the two meetings.

The Chairman recommended that the Action Taken Report of the 16<sup>th</sup> meeting along with that of 17<sup>th</sup> meeting will be placed together in the 18<sup>th</sup> meeting of the Finance Committee.

## RESOLVE

The Finance Committee, unanimously RESOLVED, to approve putting up of the Action Taken Report (ATR) on the decisions taken by it in its 16<sup>th</sup> Meeting held on 17<sup>th</sup> March 2017 along with ATR of the 17<sup>th</sup> meeting held on 29<sup>th</sup> March 2017, in the next meeting of FC.

### Item:FC:17:2017:3

To consider and approve the construction of the missing portion of the half side of the approach road from main gate to the Academic Block at the main campus at an estimated cost of Rs. 4.96 Crore.

The Secretary informed that Building Advisory Committee in its 35<sup>th</sup> meeting considered that the left hand side of the entrance corridor (650 mtr) stands already constructed. Due to paucity of funds, a portion of the required road up to Academic Block was not taken in hand at that time. Now this remaining portion is to be completed to make the University operational. Only left hand side road of the remaining portion of main entrance corridor between the Academic Block and already constructed entrance corridor is to be constructed, for the completion of Phase - 1A at an estimated cost of Rs. 4.96 crores.

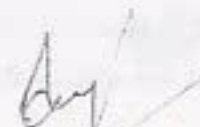
The FC considered the same in the 16<sup>th</sup> meeting and was of the view that the recommendation is not supported with mandatory Abstract Cost Performa, Rate Confirmatory Certificate, and other supporting documents as per the guidelines issued by the UGC, hence the decision cannot be taken as such in absence of these documents. It was clarified that the documents had already been prepared but could not be made available at the venue of the meeting in Mohali.

The BAC in its 36<sup>th</sup> meeting considered the detailed estimate based on DSR-2016 rates as prepared and submitted by Architect. The Committee unanimously approved the Abstract of Cost and Rate Conformity Certificate as per UGC norms for the construction of remaining portion of the half side (left hand side) of main entrance corridor between Academic Block and main entrance for the completion of Phase -1A works at an estimated cost of Rs. 4.96 Crores (*Annexure-17.3*)

The Secretary also added that the construction of second half (right hand side) of the road will be taken up later and the same will be put up separately for the consideration and approval of the Finance Committee.

## RESOLVE

The Finance Committee, after due deliberations, RESOLVED to approve the recommendations of the Building Advisory Committee regarding construction of remaining portion of the half side of the approach road from main gate to the Academic Block at the Main Campus at an estimated cost of Rs. 4.96 Crores.



**To consider renovation of existing Hall No. 8 at City Campus to accommodate girl students in hostel.**

The Secretary informed that the University has to make admissions for the forthcoming session 2017-18. As promised to the Ministry, it is planned to increase the intake of the students in the current year.

At present, the university has hostel facility of approximately 450 boys and 300 girls. In the forthcoming session, about 250 more girl students are expected to take admission in the university programmes. Approximately 117 girls are likely to vacate the hostels by the end of the current session after completing their academic courses. Keeping in view the admission trends of the last year as well as likelihood of introduction of two new courses, the additional demand for hostel accommodation for girls is projected as 113 approximately.

The Main Campus of the University is under construction and the University had the expectations that the hostels and academic block will be ready before the start of coming session (2017-18). However, as per email received from our PMC, EIL Ltd, they have shown their inability to complete the hostel occupation by July 2017. The same has been verified by the site visit by University Officials also.

The Chairman added that the University has students from 26 states. Many of them do not know Punjabi, the local language. Further, the transit campus of the University is on the outskirts of the city and there is menace of drug addiction and eve teasing in the close vicinity of the University. Keeping in view the safety and security of girl students, they should be provided accommodation within the campus itself.

The Secretary informed that the University proposes to renovate a hall available with University as porta hostel for meeting the additional requirement for lodging girl students. The necessary area for construction has been marked where floor and roof already exist. The University proposes to construct only partitions and bathrooms. The approximate expenditure for construction of the porta type hostel is Rs. 66.00 lakhs + contingencies (3%) + Statuary Taxes extra. The University will recover, out of this expenditure, up to Rs. 28.2 lakhs as hostel rent. Further, the porta hostels can be dismantled and taken to the new campus. This movement of the hostels will save over Rs. 46 lakhs out of the total amount that will be spent on these hostels. Hence, there is no loss if the University renovates the hall into porta hostels to meet with the additional hostel requirement for girls' students.

The FC considered this Item in its 16<sup>th</sup> meeting and deferred it as it needed recommendations of BAC and details of Abstract of Cost of Construction.

The above said proposal was presented to Building Advisory Committee in its 36<sup>th</sup> Meeting on 22<sup>nd</sup> March, 2017. The recommendations of BAC were presented to FC as placed at **Annexure-17.4**. The drawings along with Abstract of Cost as per UGC guidelines are placed at **Annexure-17.5**

## RESOLVE

The Finance Committee, after due deliberations, **RESOLVED** to approve renovation of existing Hall - No. 8 into porta hostel at City Campus to accommodate girl students.

### Item No:FC:17:2017:5

**To note the purchase of NMR Spectrometer and Powder X-Ray Diffractometer.**

The Secretary informed that the UGC has sanctioned Rs. 10 crores for the purchase of hi-end equipment. The purchase process for NMR and Powder X-Ray Diffractometer has already been completed and was presented before the Finance Committee in its 16<sup>th</sup> meeting.

The Committee was informed that the technical bids of above two listed equipment have been evaluated by the internal committee and also by the external experts. Though the Item was supported by the recommendations of the Internal Committee as placed at **Annexure-17.6** the recommendations of the external experts given in their meeting held on 7<sup>th</sup> March 2017 were wanting. The same were already prepared but not available at the venue of the meeting in Mohali.

The Secretary further informed that the purchase process of LC-MS/MS is in the tendering phase.

Since the FC has deferred the Item due to non-presenting of the recommendations of External Experts, the purchase procedure and the recommendations of the External Experts were presented before FC in current meeting as placed at **Annexure-17.7**.

The FC discussed the matter in detail and recommended that as the allocated grant was sanctioned in XII Plan, therefore, the order must be placed for the purchase by 31<sup>st</sup> March 2017.

The Chairman apprised that the purchase procedure as per UGC guidelines/GOI instructions/ Instruction of GFR, though almost finalized, involves minute technical details as the equipment are Hi-end and specialized. It is not advisable to finalize the purchase within a day and rush the purchase order. This may lead to many unintended mistakes. It was also argued that the 12<sup>th</sup> Five Year Plan is expected to be extended by at least a year, as per the last Plans.

The FC advised the University to seek some time beyond 31<sup>st</sup> March 2017, up to a maximum of six months, to finalize and complete the purchase process for the three Hi-end equipment as already approved by the UGC, so that the additional grant already allocated does not lapse.

## RESOLVE

The Finance Committee, unanimously **RESOLVED**, that the University may seek special permission of extension from UGC beyond 31<sup>st</sup> March 2017, up to a maximum of six month, to finalize and complete the purchase process for NMR Spectrometer, Powder X-Ray Diffractometer and LC-MS/MS.

Item No:FC:17:2017:6

Fixing the date of the next meeting of the Finance Committee.

RESOLVE

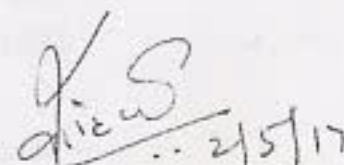
The Finance Committee authorized the Vice Chancellor to fix the date of the next meeting as per requirement.

The meeting ended with thanks to the Chair.



**Ajit Singh**  
**Finance Officer & Secretary,**  
**Finance Committee**

**Minutes Approved**



**Prof. R.K. Kohli**  
**Vice Chancellor & Chairman,**  
**Finance Committee**



**Minutes of the 17th Meeting of Finance Committee of Central University of Punjab,  
held on 17.3.2017**

Fazal Mahmood <mahmood.fazal@nic.in>  
To: cupbmeetings@gmail.com

29 March 2017 at 11:25

Annexure -17.1

Sir,

The minutes for the above mentioned meeting of FC have been gone through.

The minutes in respect of Agenda Items 10, 11 and 21 are not supported. Our comments sent vide letter dated 9-8/2016 -IFD dated 10.3.2017 are reiterated. The minutes may be revised, accordingly.

Regards,

Fazal Mahmood  
Deputy Secretary (Finance),  
Department of Higher Education, Ministry of Human Resource Development,  
Room No. 101A, D - Wing, Shastri Bhavan, New Delhi - 110001  
Telephone ( Office) : 01 11 23387061  
Mobile: +91- 9818251449

By FAX

FAX No. 164-2864120

F.No.9-B/2016-IFD  
 Government of India  
 Ministry of Human Resource Development  
 (Department of Higher Education)  
 IFD Section  
 \*\*\*

ANNEXURE - 17.2

Shastri Bhawan, New Delhi  
 Dated 10<sup>th</sup> March, 2017

The Finance Officer & Secretary (FC),  
 Central University of Punjab,  
 City Campus, Mansa Road,  
 Bathinda - 151001  
 Punjab.

Subject: 17<sup>th</sup> Meeting of the Finance Committee of Central University of Punjab  
 scheduled to be held on 17<sup>th</sup> March, 2017 at Committee Room, IISER, Mohali.

Sir,

Reference is invited to your letter No.CUPB/CC/17/FC/3044 dated 02.03.2017, on  
 the subject mentioned above.

2. Due to exigencies of work, JS&FA, MHRD, will not be able to attend the Finance  
 Committee meeting. Therefore, requisite leave of absence may please be granted in this  
 regard.
3. Further, the comments of MHRD, on the Agenda Items for the FC meeting, are  
 enclosed (Annexure). It is requested that these comments may be taken on record during  
 the meeting and should also be suitably incorporated in the minutes.
4. Further, these comments of MHRD are not to be taken as participation in the  
 Finance Committee meeting.
5. This issues with the approval of JS&FA.

Yours faithfully,

(Arun Kumar)

Under Secretary to the Govt. of India

Encl : As above.

Copy for information to: Prof. R.K. Kolhi, Vice Chancellor & Chairman (FC), Central  
 University of Punjab, City Campus, Mansa Road, Bathinda - 151001, Punjab.

An nexure

Comments on the Agenda Points for the 17<sup>th</sup> Meeting of Finance Committee of Central University of Punjab scheduled to be held on 17<sup>th</sup> March, 2017 at IISER, Mohali.

Sl.No	Agenda	Comments
FC:1::1	To confirm the minutes of the 15 <sup>th</sup> Meeting of Finance Committee held on 26 <sup>th</sup> September, 2016.	Minutes may be confirmed subject to strict compliance of University Act/Statutes, Government of India instructions/guidelines as well as those issued by UGC and CVC, as applicable.
FC:16:2	To accept the Actions Taken Report (ATR) on the Decisions of 15 <sup>th</sup> Meeting of Finance Committee held on 26 <sup>th</sup> September, 2016.	As above.
FC:16:3	To consider the report on the progress of the University by the Vice-Chancellor.	No comments.
FC:16:4	To consider the service benefits for regular employees.	The proposal is not supported, at this stage. Employees of Central University of Punjab are not Central Govt. employees. A self contained proposal may be forwarded to UGC/MHRD for consideration/advice.
FC:16:5	To consider the proceedings of the committee constituted for grant of non-compounded increments to faculty.	Not supported. The Agenda item should be withdrawn. Such agenda items should not be brought before the Finance Committee.
FC:16:6	To consider the guidelines for awarding Cumulative Professional Allowance.	Not supported. The Agenda item should be withdrawn. Such agenda items should not be brought before the Finance Committee.
FC:16:7	To consider the Budget Estimates of the University for the year 2017-18.	Subject to the condition that the estimates are based on a realistic assessment of requirement of funds for the University and also subject to availability of funds with UGC, the proposal may be recommended for approval.
FC:16:8	To consider the requirement of additional buildings amounting Rs. 318 Crores to complete the construction work of phase-1 of Main Campus, Ghudda.	Not supported for approval. The University still in project mode and ceilings of funding as per the cabinet approval will apply.

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FC:16:9	To consider and approve the provisions for the remaining portion of the main entrance corridor between Academic Block and already constructed left hand side portion of the main entrance corridor for the completion of phase-1 A at an estimated cost of Rs.4.59 crore.	As above.
FC:16:10	To consider the terms and conditions for appointment of Arbitrator of CUPB.	Matter may be referred to UGC/MHRD for advice. Such open ended proposal without specific details <u>can not</u> be supported.
FC:16:11	To consider the amenities/facilities for the officials of the University	As above.
FC:16:12	To consider the representation of faculty of the University on light of letter dated 13 <sup>th</sup> February, 2017 of MHRD.	Not supported for approval. Recoveries wherever applicable, should be made forthwith and an Action Taken Report should be submitted in the next meeting of Finance Committee, without fail.
FC:16:13	To guide on the exemption Service Tax to the Central University of Punjab.	Matter may be referred to UGC/MHRD.
FC:16:14	To consider annual fee and funds of various programmes of the University for the academic session 2017-18.	May be discussed in detail in the Finance Committee meeting.
FC:16:15	To ratify the payment to Engineers India Limited (EIL) for the project Management Consultancy Services of Rs.32,57,489/-	-do-
FC:16:16	To ratify the payment to M/s. KSMB & Sons for extra item of clearance of shrubs and grasses etc. amounting Rs.6,52,700/-	-do-
FC:16:17	To ratify the payment of Rs. 40,96,551/- to Pradeep Sachdeva Design Associates.	-do-
FC:16:18	To ratify the payment of 30 crore in ESCROW account of CUPB & EIL for making running bill payments of the contractor.	-do-

-3-

FC:16:19	To ratify the minutes of 33 <sup>rd</sup> meeting of the Building Advisory Committee along with the abstract cost of the building projects, in the prescribed formats of UGC, held on 11 <sup>th</sup> November, 2016.	-do-
FC:16:20	To ratify the minutes of the 34 <sup>th</sup> Meeting of the Building Advisory Committee held on 7 <sup>th</sup> December, 2016.	-do-
FC:16:21	To consider the minutes of the 35 <sup>th</sup> Meeting of the Building Advisory Committee held on 15 <sup>th</sup> February, 2017.	There is no clarity in the proposal. The proposal is not supported.
FC:16:22	To consider and guide the purchase of 600 MHz NMR spectrometer and Power X-Ray Diffractometer.	The agenda item should be withdrawn. There is no clarity with regard to cost and availability of funds. Further, such proposals for procurement of "Goods" should be strictly regulated as per the relevant provisions of GFRs and CVC guidelines and University should procure the items at its own level, accordingly.
FC:16:23	To fix the date of the next meeting of the Finance Committee.	No comments.

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PART MINUTES OF THE  
THIRTY SIXTH MEETING OF THE BUILDING ADVISORY COMMITTEE  
HELD AT CITY CAMPUS ON 22<sup>ND</sup> MARCH, 2017 AT 1500 HRS

The Thirty Sixth Meeting of the Building Advisory Committee was held on 22<sup>nd</sup> March, 2017 at City Campus of Central University of Punjab, Bathinda.

Item: BAC: 36:2017:6

To consider and approve the abstract of cost as per UGC guidelines for the Construction of remaining portion of the half side (left hand side) of main entrance corridor between Academic Block and Main Entrance Corridor for the completion of Phase -1A works at an estimated cost of Rs. 4.96 Crore. The construction of second half (Right hand side) of the road will be taken up later.

The Building Advisory Committee in its 35<sup>th</sup> meeting considered and approved the construction of left hand side road of the remaining portion of main entrance corridor between the Academic Block and already constructed entrance corridor for the completion of Phase - 1A at an estimated cost of Rs. 4.96 crores.

The detailed estimate based on DSR- 2016 rates as prepared and submitted by Architect (Annexure- 36.6) was deliberated by the Committee. On the basis of this drawing and estimate Annexure - 36.6 (i), abstract of cost as per UGC guidelines was unanimously approved by the Committee.

Resolve:

The Committee unanimously approved the Abstract of Cost, Rate Conformity Certificate and Certification as per UGC norms for the Construction of remaining portion of the half side (left hand side) of main entrance corridor between Academic Block and Main Entrance Corridor for the completion of Phase -1A works at an estimated cost of Rs. 4.96 Crores Annexure - 36.6 (i). The construction of second half (Right hand side) of the road will be taken up later. The same is to be put up to Finance committee for final approval.

Item No: BAC: 36:2017:7-

To consider the proposed Renovation of existing Hall No.8 for converting it into Girl Hostel to accommodate 168 students at the City Campus of Central University of Punjab, Bathinda for increasing the intake of students at the city campus of the university for session 2017-18.

The details of the proposed Renovation of existing Hall No.8 for converting it into Girl Hostel to accommodate 168 students at the City Campus of Central University of Punjab, Bathinda for increasing the intake of students at the city campus of the university for session 2017-18 was deliberated in detail and the



Committee unanimously approved the plan, Abstract of Cost, Rate Conformity Certificate and Certification as per UGC norms (Annexure - 36.7).

**Resolve:**

The Committee unanimously approved the plan, Abstract of Cost, Rate Conformity Certificate and Certification as per UGC norms for the Renovation of existing Hall No.8 for converting it into Girl Hostel to accommodate 168 students at the City Campus of Central University of Punjab, Bathinda for increasing the intake of students at the city campus of the university for session 2017-18 at an estimated cost of Rs. 0.68 Crores Annexure - 36.7. The same is to be put up to Finance committee for final approval.

**UNIVERSITY GRANTS COMMISSION**  
**BAHADURSHAH SHAHZAFAR MARG**  
**NEW DELHI - 110022**

**DOCUMENTS REQUIRED FOR APPROVAL OF BUILDING PROJECTS.**

1. Name of the University/College : Central University of Punjab, Bathinda
2. Name of the Building Project : Construction of remaining portion half side (left hand side) of main entrance corridor between Academic Block and already constructed Left Hand Side of Main Entrance Corridor.

**Abstract of Cost**

- (a) Total Plinth area provided in the plans : N.A. (Road Work)
- (b) Total built up area provided in the plans : 10810 sq. meter
- (c) Cost per Sq. meter : Rs. 4246/-

S. No.	Item	Amount (Rs. in crore)
1	Cost of Civil Works (as per schedule of DSR 2016 rates)	4.06
2	Internal Water supply & Sanitation	NIL
3	External services	0.40
4	Add Contingencies (3%)	0.13
5	Add Architect & PMC Fee (8%)	0.37
6	Clerk of works, if appointed	NIL
7	Total estimated cost	4.96

Note:

1. The above said cost mentioned at sr. no. 7 is excluding the statutory taxes.

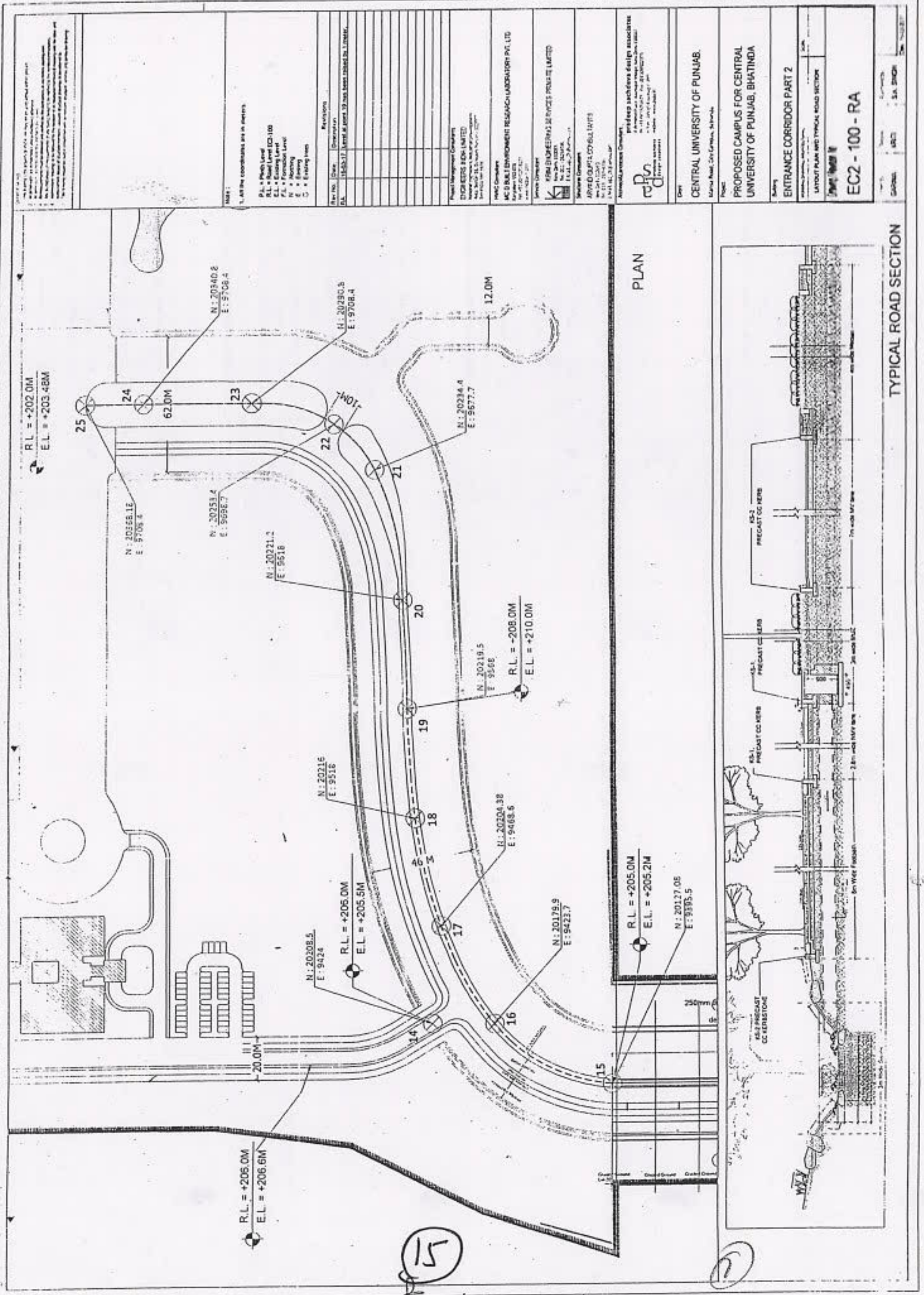
Signature

Engineer/Architect

**Er. Prem Sagar**  
 (Seal)  
**University Engineer**  
**Central University of Punjab**  
**Bathinda**



1



15

Er. Prem Sagar  
University Engineer  
University of Punjab

Abstract of Cost for Road Work

Name of Work : Construction of Entrance corridor -2 of Central University of Punjab , Bhatinda , Punjab.

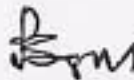
Length of road = 470m

SUB HEAD	Description	Cost (Rs.)
1.00	EARTH WORKS	1,40,32,048.80
2.00	CEMENT CONCRETE WORK	67,50,167.00
3.00	REINFORCED CEMENT CONCRETE WORK	1,55,465.00
4.00	BRICK MASONRY WORK	26,92,547.00
5.00	STONE WORK	1,21,716.00
6.00	STEEL & STAINLESS STEEL WORK	10,08,758.00
7.00	FOOT PATH PAVEMENT & KERBS	1,03,86,286.77
8.00	FINISHING WORK	2,75,876.00
9.00	ROAD WORK	51,29,463.90
10.00	WATER SUPPLY	10,77,654.20
11.00	DRAINAGE WORKS	29,48,903.00
	TOTAL	4,45,78,895.67
	Add Contingencies @ 3%	1337367
	TOTAL	4,59,16,262.67
	SAY(Crore)	4.59

P.M.E & Architect fee(8%)

+ 0.37

4.96

  
**Er. Prem Sagar**  
 University Engineer  
 Central University of Punjab  
 Bathinda

Name of the University: Central University of Punjab, Mansa Road, Bathinda

Rate Conformity Certificate

It is certified that estimates for the proposed Construction of remaining portion half side (left hand side) of main entrance corridor between Academic Block and already constructed Left Hand Side of Main Entrance Corridor for the completion of Phase -1A works at Central University of Punjab, Main Campus at village Ghudda (Bathinda) during 2017-18 period has been prepared based on current DSR rates of the region for the year 2016.

Signature

Registrar

(Seal) **जगदीप सिंह / Prof. Jagdeep Singh**  
Registrar  
पंजाब केन्द्रीय विश्वविद्यालय, बठिन्डा  
Central University of Punjab, Bathinda

Signature

PWD Engineer/University Engineer  
(Seal)

**Er. Prem Sagar**  
University Engineer  
Central University of Punjab  
Bathinda

Certified that:-

- (a) The plan and estimates of the proposed Construction of remaining portion half side (left hand side) of main entrance corridor between Academic Block and already constructed Left Hand Side of Main Entrance Corridor for the completion of Phase -1A has been approved by the Building Advisory Committee and conformity with the norms as suggested by the commission and the rates are as per DSR 2016.
- (b) The land on which the proposed road is being constructed is under the undisputed ownership and possessions of the university.
- (c) The proposed construction will be executed by the PMC/CPWD/NHAI on behalf of the University.
- (d) The expenditure over and above UGC grant, if any will be met by the University from its own resources and the construction will not be delayed for want of funds.
- (e) The structural soundness of structure to bear the load of the proposed building in case, it is going to be constructed upon the ground floor building now or in future – N. A. (being road work).
- (f) The University has not availed any grant for the proposed construction earlier.
- (g) After letter of the Award for the work PMC/CPWD/NHAI will complete the project within 06 months.

Signature Er. Prem Sagar  
 Engineer  
 (Seal) **Er. Prem Sagar**  
**University Engineer**  
**Central University of Punjab**  
**Bathinda**

Signature Prof. Jagdeep Singh  
 (V.C./Registrar)  
 (Seal) **प्रा. जगदीप सिंह / Prof. Jagdeep Singh**  
**कुलसचिव / Registrar**  
**पंजाब केन्द्रीय विश्वविद्यालय, बठिंडा**  
**Central University of Punjab, Bathinda**

ANNEXURE -17.4

PART MINUTES OF THE  
THIRTY SIXTH MEETING OF THE BUILDING ADVISORY COMMITTEE  
HELD AT CITY CAMPUS ON 22<sup>ND</sup> MARCH, 2017 AT 1500 HRS

The Thirty Sixth Meeting of the Building Advisory Committee was held on 22<sup>nd</sup> March, 2017 at City Campus of Central University of Punjab, Bathinda.

Item: BAC: 36:2017:6

To consider and approve the abstract of cost as per UGC guidelines for the Construction of remaining portion of the half side (left hand side) of main entrance corridor between Academic Block and Main Entrance Corridor for the completion of Phase -1A works at an estimated cost of Rs. 4.96 Crore. The construction of second half (Right hand side) of the road will be taken up later.

The Building Advisory Committee in its 35<sup>th</sup> meeting considered and approved the construction of left hand side road of the remaining portion of main entrance corridor between the Academic Block and already constructed entrance corridor for the completion of Phase - 1A at an estimated cost of Rs. 4.96 crores.

The detailed estimate based on DSR- 2016 rates as prepared and submitted by Architect (Annexure- 36.6) was deliberated by the Committee. On the basis of this drawing and estimate *Annexure - 36.6 (i)*, abstract of cost as per UGC guidelines was unanimously approved by the Committee.

Resolve:

The Committee unanimously approved the Abstract of Cost, Rate Conformity Certificate and Certification as per UGC norms for the Construction of remaining portion of the half side (left hand side) of main entrance corridor between Academic Block and Main Entrance Corridor for the completion of Phase -1A works at an estimated cost of Rs. 4.96 Crores *Annexure - 36.6 (i)*. The construction of second half (Right hand side) of the road will be taken up later. The same is to be put up to Finance committee for final approval.

Item No: BAC: 36:2017:7-

To consider the proposed Renovation of existing Hall No.8 for converting it into Girl Hostel to accommodate 168 students at the City Campus of Central University of Punjab, Bathinda for increasing the intake of students at the city campus of the university for session 2017-18.

The details of the proposed Renovation of existing Hall No.8 for converting it into Girl Hostel to accommodate 168 students at the City Campus of Central University of Punjab, Bathinda for increasing the intake of students at the city campus of the university for session 2017-18 was deliberated in detail and the

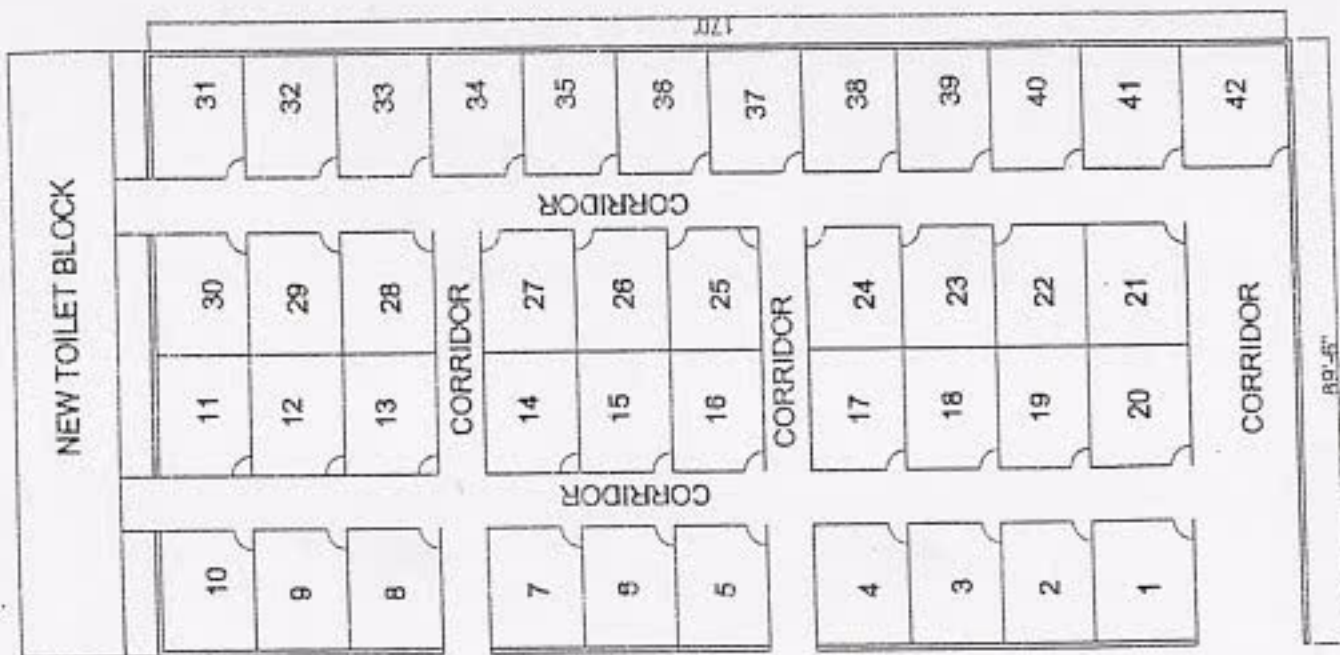
Committee unanimously approved the plan, Abstract of Cost, Rate Conformity Certificate and Certification as per UGC norms (Annexure - 36.7).

Resolve:

The Committee unanimously approved the plan, Abstract of Cost, Rate Conformity Certificate and Certification as per UGC norms for the Renovation of existing Hall No.8 for converting it into Girl Hostel to accommodate 168 students at the City Campus of Central University of Punjab, Bathinda for increasing the intake of students at the city campus of the university for session 2017-18 at an estimated cost of Rs. 0.68 Crores Annexure - 36.7. The same is to be put up to Finance committee for final approval.

PROPOSED LAYOUT PLAN FOR NEW PORTA GIRLS HOSTEL

IN EXISTING HALL -8 AT CITY CAMPUS, CUPB



LEGEND:-

- EXISTING HALL WITH CORRUGATED ACC SHEETS WITH NORTH FACED TRUSSES & CONGLOMERATE FLOOR
- ROOM SIZE - 18' X 14'

Er. Prem Sagar  
 University Engineer  
 Central University of Punjab  
 Bathinda

UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH SHAHZAFAR MARG  
NEW DELHI - 110022

ANNEXURE-175

DOCUMENTS REQUIRED FOR APPROVAL OF BUILDING PROJECTS.

1. Name of the University/College : Central University of Punjab, Bathinda
2. Name of the Building Project : Renovation of existing Hall No 8 for converting it into Girl Hostel to accommodate 168 students at the City Campus of Central University of Punjab, Bathinda.

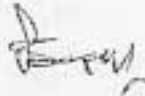
**Abstract of Cost**

- (a) Total Plinth area provided in the plans : 125 sq. meter and Existing floor and roof of existing Hall -8 will be used
- (b) Total built up area provided in the plans : 1512 sq. meter
- (c) Cost per Sq. meter : Rs.4497/-

S. No.	Item	Amount (Rs. in Laes)
1	Cost of Civil Works (as per schedule of prevailing market rates)	66.00
2	Internal Water supply & Sanitation	
3	External services	
4	Add Contingencies (3%)	2.00
5	Add Architect & PMC Fee	NIL
6	Clerk of works. if appointed	NIL
7	Total estimated cost	68.00

Note:

1. The above said cost mentioned at sr. no. 7 is excluding the statutory taxes.

Signature   
Engineer/Architect

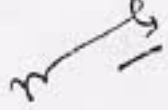
(Seal)  
**Er. Prem Sagar**  
University Engineer  
Central University of Punjab  
Bathinda

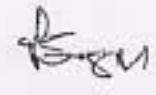


Name of the University: Central University of Punjab, Mansa Road, Bathinda

Rate Conformity Certificate

It is certified that estimates for the proposed Renovation of existing Hall No.8 for converting it into Girl Hostel to accommodate 168 students at the City Campus of Central University of Punjab, Bathinda during 2017-18 period has been prepared based on prevailing market rates of the region for the year. DSR rates are not available for these items.

Signature   
Registrar  
(Seal) **डॉ. जगदीप सिंह / Prof. Jagdeep Singh**  
**कुलसचिव / Registrar**  
**पंजाब केन्द्रीय विश्वविद्यालय, बठिंडा**  
**Central University of Punjab, Bathinda**

Signature   
PWD Engineer/University Engineer  
(Seal) **Er. Prem Sagar**  
**University Engineer**  
**Central University of Punjab**  
**Bathinda**

Certified that:-

- (a) The plan and estimates of the proposed Renovation of existing Hall No.8 for converting it into Girl Hostel to accommodate 168 students at the City Campus of Central University of Punjab, Bathinda has been approved by the Building Advisory Committee and conformity with the norms as suggested by the commission and the rates are as per competitive market rates. DSR rates are not available for these items.
- (b) The land and Hall – 8 proposed for renovation are on lease from Owner (BELCU Spinning Mill) with CUPB and presently is in the possession of Central University of Punjab, Bathinda.
- (c) The proposed construction will be executed by the University through its Engineering Wing.
- (d) The expenditure over and above UGC grant, if any will be met by the University from its own resources and the construction will not be delayed for want of funds.
- (e) The structural soundness of structure to bear the load of the proposed building in case, it is going to be constructed upon the ground floor building now or in future – N. A. (being renovation of existing hall no. 8).
- (f) The University has not availed any grant for the proposed renovation earlier.
- (g) The project will be completed in 10 weeks after allotment of work.

Signature \_\_\_\_\_  
Engineer  
(Seal)

**Er. Prem Sagar**  
University Engineer  
Central University of Punjab  
Bathinda

Signature \_\_\_\_\_  
(V.C./Registrar)  
(Seal)

**प्रॉ. जगदीप सिंह / Prof. Jagdeep Singh**  
कुलसचिव / Registrar  
पंजाब केन्द्रीय विश्वविद्यालय, बठिंडा  
Central University of Punjab, Bathinda

Proceedings of the meeting of the internal committee held on 01/03/2017 for the technical comparison of the 600 MHz NMR and Powder X-Ray Diffractometer

Present

1. Prof. P. Ramarao, Dean Academic Affairs, CUPB
2. Prof. S. S. Marwaha, Prof & CoC, CFST, CUPB
3. Prof. V. K. Garg, Dean SEES, CUPB
4. Dr. J. Nagendra Babu, Assistant Professor, CUPB (Convener)

The Internal committee for the purchase of the Hi-end equipment, met on 01/03/2017 at 1600 hrs at the committee room of the University, to discuss the technical comparison of 600 MHz NMR spectrometer and Powder X-Ray diffractometer.

1. **Techno-commercial verification of the technical bids submitted by parties against the tender P-63 (2016-17) for 600 MHz NMR spectrometer:** The technical comparison of the bids of M/s Bruker Biospin AG and M/s Jeol India Pvt Ltd. for 600 MHz NMR Spectrometer, was compiled (Annexure-I) based on the clarification provided by the bidders. The bidders comply with the technical specifications as per the tender.

It was recommended by the committee that a meeting of the external experts be called on 07<sup>th</sup> Mar, 2017 wherein both the parties be invited for techno-commercial discussion and clarification. It is also recommended to put up the purchase of 600 MHz NMR in the forthcoming meeting of the Finance Committee after taking the views of the external experts for guidance and approval.

2. **Approval for Opening the financial Bid of Powder X-Ray Diffractometer:**

The convener informed the committee members that the tender for the purchase of X-Ray Diffractometer invited vide Tender No. P-54(2016-17) dated 21/09/2016 failed as only one tenderer filed its tender. The internal committee recommended to relook the specifications and call Expression of Interest (EOI) followed by a tender for the purchase of the system. The expression of interest meeting was held on 05/11/2016, wherein two parties participated. Their suggestions with regard to the tender document and technical specifications were taken and incorporated in the tender document. In response to the fresh tender notice vide tender No. P-65 dated 15/11/2016, following three parties participated in the tender:

- i. M/s Spectris Technologies Pvt Ltd
- ii. IR Technology Services Pvt Ltd
- iii. Thermofischer Scientific Pvt Ltd

(25)  
P. Ramarao  
11/3/2017

N. S. Marwaha  
11/3/2017

J. Nagendra Babu  
11/3/2017

The technical bids of the three tenderers were opened and technical specifications of the bids vis-à-vis tender notice were evaluated. The tenderer M/s Spectris Technologies Pvt Ltd the only one out of the three tenderers, met the technical specification as per CUPB's tender.

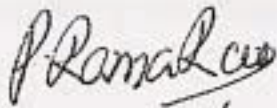
As only one bidder M/s Spectris Technologies Pvt Ltd, is meeting the technical specification and qualifies to open their financial bid, the committee in the light of efforts put-in to purchase the system by calling expression of interest and tenders twice, recommends to the Hon'ble Vice Chancellor to take the approval of the finance committee in its next meeting to open the financial bids of M/s Spectris Technologies Pvt Ltd, the only bidder qualifying the tender.

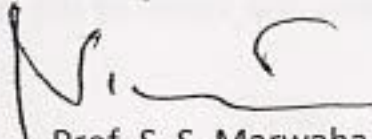
It was recommended that the purchase of Powder X-Ray diffractometer be placed before external experts in the meeting scheduled on 07<sup>th</sup> Mar, 2017. It is also recommended to put up the purchase of powder X-Ray Diffractometer in the forthcoming meeting of the Finance Committee after taking the views of the external experts for guidance and approval.

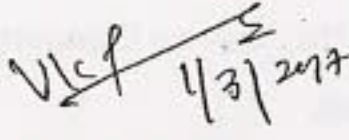
3. Approval of Technical Specifications of LC-MS/MS and UPLC-HRMS for Inviting Tenders:

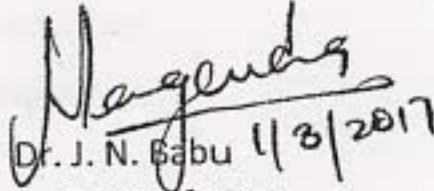
The draft specifications of LC-MS/MS and UPLC-HRMS were deliberated by the committee members and recommended to place the same before the external expert members for their concurrence to float the tender.

Submitted for approval please.

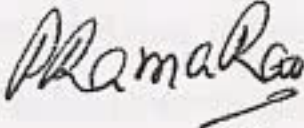
  
Prof. P. Ramarao  
DAA

  
Prof. S. S. Marwaha  
I/c CIL, CoC, CAA  
1.3.2017

  
Prof. V. K. Garg  
Dean SEES

  
Dr. J. N. Babu  
Assist. Prof., CCS  
11/3/2017

Put up for approval



Urgent

F.O. to please go through  
Urgently for put up in the  
Agenda of FC  
Office  
2/3/17

कुलपति कार्यालय/VCO  
क्र./Sr. 5205  
दिनांक/Dt. 02/03/17

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2.3.17

9/59  
2/3/17

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6915  
02/3/17

2/2

**Proceedings of the meeting of the committee held on 07/03/2017 for the techno-commercial negotiation of the 600 MHz NMR and Powder X-Ray Diffractometer**

The committee constituted to recommend the purchase of the Hi-end equipment, met on 07/03/2017 at 1100 hrs at the conference room of the University, to discuss the techno-commercial aspects for 600 MHz NMR spectrometer and Powder X-Ray diffractometer with the bidders of the equipment which meet the technical specifications as per tender.

Present

**A. MEMBERS OF THE EQUIPMENT PURCHASE COMMITTEE**

1. Prof. A. K. Chakraborti, Professor & Head, Department of Medicinal Chemistry, NIPER Mohali
2. Dr. Ajai Prakash Gupta, Senior Technical Officer, Quality Control and Quality Assurance Division, IIM, Jammu
3. Prof. P. Ramarao, Dean Academic Affairs, CUPB
4. Prof. S. S. Marwaha, Prof & CoC, CFST, CUPB
5. Prof. V. K. Garg, Dean SEES, CUPB
6. Mr. Ajit Singh, Finance Officer, CUPB (Co-Opted Member)
7. Dr. J. Nagendra Babu, Assistant Professor, CUPB

Prof. Narpinder Singh, Prof. & Head Department of Food Science and Technology, GNDU Amritsar has conveyed telephonically his unavailability for the meeting.

**B. Vendors for Techno-Commercial Meeting 600 MHz NMR Spectrometer (Attendance attached as Annexure-I)**

1. M/s Jeol India Pvt Ltd
2. M/s Bruker Biospin AG Pvt Ltd

**Agenda Item No.1:** Techno-commercial verification of the technical bid provided by parties against the tender P-63 (2016-17) for 600 MHz NMR spectrometer

**Resolutions:** Both the vendors M/s Jeol India Pvt Ltd and M/s Bruker Biospin AG Pvt Ltd have consented to provide an additional Performance Bank Guarantee of 10% of the order value upon receipt of purchase order has been attached as Annexure-II and III. The committee recommends to get the approval of financial committee for opening the financial bid for 600 MHz NMR spectrometer.

**Agenda Item No.2:** Techno-commercial verification of the technical bid provided by parties against the tender P-65 (2016-17) for Powder X-Ray Diffractometer.

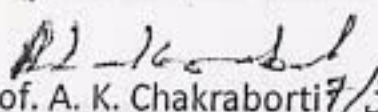
**Resolutions:** The tender quoted by M/s Spectris Technologies Pvt. Ltd. is the only qualified bidder. The committee recommends to get the prior approval of Finance Committee and Executive Council for the purchase of Powder X-Ray Diffractometer from for opening the financial bid of the only qualified bidder M/s Spectris Technologies Pvt Ltd.

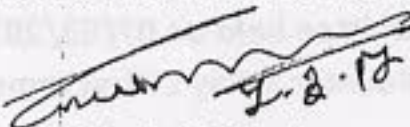
**Agenda Item.No. 3:** Concurrence on technical specifications of LC-MS/MS by the expert committee. The name of the equipment was put to the committee as per the sanctions received from UGC.

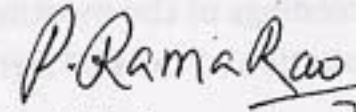
**Resolutions:** The committee deliberated the technical specifications of Liquid Chromatography-Tandem Mass Spectrometer (LC-MS/MS or MS<sup>n</sup>) and recommends the same as attached in Annexure-IV for the tender advertisement.

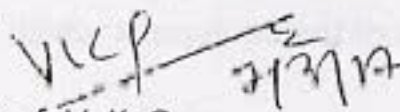
*AW*


At the end of the meeting, convener of the committee on behalf of the university conveyed thanks to the outside technical experts and internal members of the committee.

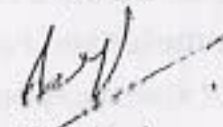
  
Prof. A. K. Chakraborti 7/3/17  
Prof. & Head NIPER MOHALI

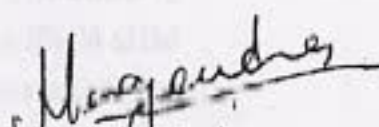
  
Dr. A. P. Gupta  
STO, IIIM, Jammu

  
Prof. P. Ramarao 7/3/17  
DAA

  
Prof. V. K. Garg  
Dean, SEES

  
Prof. S. S. Marwaha 7/3/17  
CoC, Food Sci & Tech.

  
Mr. Ajit Singh  
Finance Officer, CUPB

  
Dr. J. D. Dabu  
Assist. Prof., CCS


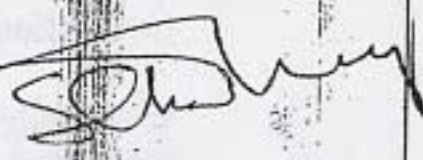
**Central University of Punjab, Bathinda**  
 Mansa Road, Near Delhi Railway Crossing, Bathinda - 151 001  
**Technocommercial Meeting**

64.

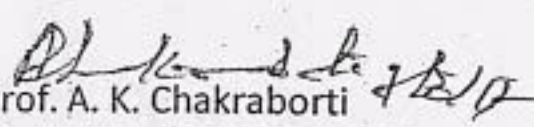
Date: 07.03.2017


600 MHz NMR

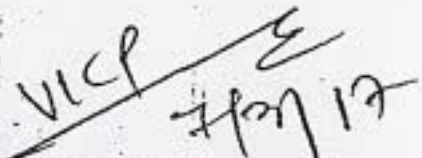
Attendance

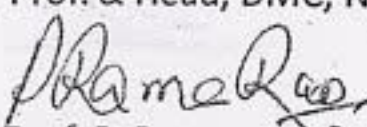
S. No.	Name of the Representative	Address and Contact Details	Signature
1	RAHUL GROVER	TEOL INDIA Pvt LTD DELHI 099 0145530	
2.	SURATA CHOWDHURY	Bowker India Scientific Pvt Ltd 09818760787	

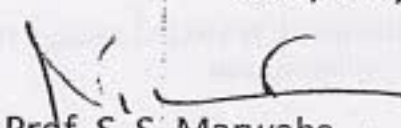
**High End Equipment Purchase Committee**

  
 Prof. A. K. Chakraborti  
 Prof. & Head, DMC, NIPER

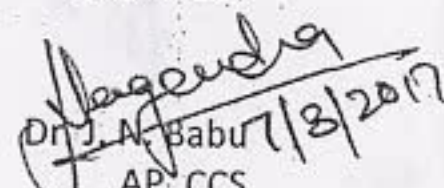
  
 Dr. A. P. Gupta  
 STO, IIM, Jammu

  
 Prof. V. K. Garg  
 Dean SEES

  
 Prof. P. Ramarao  
 DAA, CUPB

  
 Prof. S. S. Marwaha  
 CoC, CFST  
 7.3.2017

  
 Mr. Ajit Singh  
 Finance Officer

  
 Prof. J. N. Babu  
 AP, CCS  
 7/8/2017

Dated 07<sup>th</sup> March, 2017

To,  
The Registrar,  
Central University of Punjab,  
City Campus, Mansa Road, Bathinda  
Punjab, India- 151001

Tender reference Number: P-63 (2016 - 17) Dated: 15<sup>th</sup> November 2016.

Dear Sir,

This is in reference to our discussion regarding penalty clause in case of delay in installation of JEOL ECZ600R NMR Spectrometer (in case of being L1 party).

We hereby confirm that if installation of JEOL ECZ600R NMR Spectrometer will not be completed in stipulated time as per JEOL Installation Checklist of quoted configuration or 120 days from the date we are called for installation as per tender terms then CUP, Bhatinda will not be liable to pay remaining 10% amount of final prices.

JEOL will submit PBG of 10% amount of final FOR prices on successful installation of JEOL ECZ600R NMR spectrometer.

Please note that this clause will be applicable only in case of delay in installation from JEOL Side.

If delay is because of site readiness or any other parameter related to customer then this clause will not be applicable.

Thanking you,

Sincerely yours,

With Best Regards,  
For JEOL INDIA PVT. LTD.

Sourabh Narang  
Sales Director



NEW DELHI, KOLKATA, MUMBAI, BANGALORE, CHENNAI  
info@jeolindia.com





62

BRUKER INDIA SCIENTIFIC PVT LTD

3, Dayasagar, Gokuldhara  
Goregaon (E), Mumbai-400063  
Ph: 022 28490060  
Fax: 022 28490059

Central University of  
Punjab  
Bhatinda

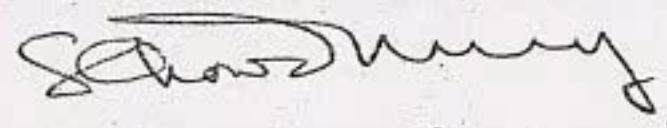
07.03.2017

Dear Sir,

As per discussion with your expert committee, we hereby inform you that we commit to install the basic instrument within 120 days of arrival at your site, provided the site is ready and liquid helium is available at that time, which depends on global situation. If not, we are ready to forgo 10% of the money held by the institute. Please note that force majeure clause will be applicable (in case of war, natural calamities, we cannot do the installation in time).

Thanking you

Sincerely yours

  
CS. Chowdhury

31

  
Jagendra  
Bhatinda

### Technical Specification for Liquid Chromatography Tandem Mass Spectrometer (LC-MS/MS or MS<sup>n</sup>)

High resolution mass spectrometer platform with hybrid mass analyser and separation devices is required for qualitative and quantitative analysis of small molecule in food, environment, and pharmaceutical applications. The instrument should also be able to carry out the high resolution mass spectrometry of direct insert samples of small organic compounds. LC and MS/MS or MS<sup>n</sup> should be from same vendor for better compatibility.

UPLC	<p>a) <b>Pump:</b></p> <ol style="list-style-type: none"> <li>i. Quaternary/Binary gradient pump with 15000 psi or better.</li> <li>ii. Flow rate: 1µl/min to 2ml/min or better with gradient 0.001 mL and Flow rate Accuracy ±1%.</li> <li>iii. System Delay Volume &lt; 400µl, independent of system backpressure (with standard mixer)</li> </ol> <p>b) <b>Autosampler:</b> capacity 80 vials of 2/1.5 ml or better with temperature control 5-40°C.</p> <p>c) <b>Column compartment</b> to handle columns 150 mm or better with temperature control ambient to 60°C or better.</p> <p>d) <b>Photo Diode Array Detector:</b> Standard detector with Wavelength Range :190- 700nm; Wavelength Accuracy : ±1nm or better.</p>
Ionization Source	<p>a) Dedicated Electro Spray Ionization (ESI) and Atmospheric Pressure Chemical ionization (APCI) sources with positive and negative ionization (should work without breaking the vacuum).</p> <p>b) ESI flow rate upto 2 ml/min without splitter.</p> <p>c) Additional accessories required for metabolomics and small molecules should be quoted</p>
Mass analyzer	<p><b>Quadrupole followed by a Collision Cell having high Mass Resolution efficiency (Time of Flight or Orbitrap)</b></p> <p><b>Quadrupole Mass analyzer with collision cell followed by Time of flight Mass Analyzer/High Resolution Mass Analyzer:</b></p> <p>TOF analyzer/High Resolution Mass Analyzer with ion source and ion reflectron with increased mass resolution &amp; accuracy. It should have positive and negative ion modes.</p> <p>The instrument should be capable of performing MS Scanning, MS/MS product ion scanning and simultaneous MS and MS/MS scanning.</p> <p>The system should be capable to do both Data dependent and Data Independent analysis.</p> <p>The system should be capable of performing Qualitative and Quantitative analysis with the highest sensitivity, accuracy, precision and reproducibility.</p> <p>Desolvation temperature should be &gt; 400°C or better</p> <p>System should be capable of doing intact mass analysis</p>
Mass Range of Quadrupole:	<p>Quadrupole Mass Range should be up to 1200 m/z or better for singly charged ions.</p>
Mass Range of high resolution	<p>TOF Mass Range of the analyzer must be from 50 to 10,000 m/z or better. In case of orbitrap 6000 m/z maintaining high resolution in the same mode</p>

Mass System (TOF/Orbitrap system):	
Acquisition Rate:	30 spectra per second in case of TOF and 12 Hz or better per second in case of Orbitrap Technology over the entire mass range
Resolution:	>35,000 FWHM or better in broad range, in case of orbit trap resolution >140,000 FWHM or better.
Mass Accuracy:	1 ppm internal calibrate and 3 ppm external calibrate
Reference Mass Introduction:	The instrument should be capable of internal reference mass correction by infusing calibrant on the run
Sensitivity:	<1 pg standard signal/noise ratio, 300:1 S/N ratio with reserpine.
Dynamic Range:	4 order of dynamic range or better
Software and database	The software should be user friendly & have capabilities to perform the following functions. a) Single window software to control UPLC and QTOF. b) Automated mass calibration. c) Software tools for addressing Screening, Component Identification & Structural Elucidation workflows. d) Structure interpretation tool. e) The software should also have capability for assigning structures by taking fragment ion spectra into account and automatically calculating fragments based on algorithms. f) Provide free perpetual license with upgrade for all the software throughout the period of warranty and CMC.
Warranty & Training:	a) Warranty for <b>three</b> years for LC, MS and Nitrogen Generator and should cover over all hardware/software and consumables. b) Training for small molecules, metabolomics should be provided for two operators at the training lab of vendor and CUP, Bhatinda to be offered for weak at principals site. c) Onsite technical operating support service for 3 years on pro rata basis as per <b>S. No. 44 of tender document.</b>
Other Requirements	a) Adequate supply of basic kits and any other relevant columns and other consumables etc. for smooth running of the system. b) Responsibility of on-site maintenance by the manufacturer for 24x7 operations. c) System installation at the site provided by CUPB to be done by the

	<p>vendor. Only room would be provided with adequate water and routine electrical supplies. Any deviation from the routine electrical supplies and furniture requirements, the vendor would have to expedite the same at his own cost. Any civil requirement should be informed in the quote itself.</p> <p>d) The full capabilities of the system have to be demonstrated to the complete satisfaction and specify the pre-installation requirement.</p> <p>e) Company should have dedicated application specialist with a proven track record to provide onsite training.</p> <p>f) Operation and maintenance training (service label) should be provided on-site to our staff/students/scientists. Hands-on training course for the users by experts for using the instrument after the installation process is to be completed on a set of dates given by CUP, Bathinda.</p> <p>g) Downtime response should be provided within 48 hours and replacement of parts under warranty should be performed by 2 weeks.</p> <p>h) All the spares, electronic board hardware consumable requirements including tubing, nuts, ferrules, cutter etc. accessories required for functioning on entire h/w &amp; s/w for the period of 3 years should be quoted rate inclusive.</p>
Optional	<p>a. Multimode ionization sources should be quoted.</p> <p>b. <b>Direct Infusion Device:</b> Syringe pump or better technology for direct infusion of samples should be quoted. (As per system requirement).</p> <p>c. Environmental and food samples small molecule analysis software and database.</p> <p>d. Comprehensive maintenance contract (CMC) /year to be quoted for 4<sup>th</sup> to 7<sup>th</sup> year.</p> <p>e. UPLC quality columns as desired below should be provided with guard columns and connectors for each column.</p> <p>(i) Columns C-18e (150mm or more 3 <math>\mu</math>m or better particle size) – 10 Nos.</p> <p>(ii) Columns C-8 (150mm or more 3 <math>\mu</math>m or better particle size) – 5 Nos.</p> <p>(iii) Chiral Columns (150mm or more 3 <math>\mu</math>m or better particle size) – 4 Nos.</p> <p>(iv) Columns for food and environmental pesticide residue analysis to be quoted in duplicate.</p>