

Agenda Notes

2013: 2nd Meeting

of the

Building & Works Committee

Venue of the Meeting

Conference Hall, Hotel Janpath, New Delhi

Date and Time of the Meeting

February 28, 2013 at 14.00 Hrs



PDPM
Indian Institute of Information Technology, Design
and Manufacturing Jabalpur



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Agenda for the 2013/2nd Meeting of Buildings & Works Committee, 2013

to be held on Thursday, February 28, 2013 at 14:00 hrs.

Venue: Conference Hall, Hotel Janpath, New Delhi

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The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This not only helps in tracking expenses but also ensures compliance with tax regulations.

In the second section, the author outlines the various methods used for data collection and analysis. It includes a detailed description of the survey process, from the selection of participants to the distribution of questionnaires. The results of the survey are then presented in a clear and concise manner, highlighting the key findings and trends.

The third part of the document focuses on the implementation of the proposed system. It describes the steps taken to integrate the new technology into the existing workflow, including the training of staff and the monitoring of the system's performance. The author notes that the system has been well-received and has significantly improved the efficiency of the process.

Finally, the document concludes with a summary of the overall project and a list of recommendations for future work. It suggests that further research should be conducted to explore the potential of the system in other areas of the organization.



B&WC/2013: 2.01	Opening remarks by the Chairperson. Will be presented in the meeting itself.
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B&WC/2013: 2.02	<p>Confirmation of Minutes of 2013/1st / meeting of the Building & Works Committee held on February 2nd,2013.</p> <p>The Minutes of 1st meeting of 2013 are being circulated. The comments from the members, if any, will be reported in the meeting.</p>
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**Confirmation of Minutes Building & Works
Committee 2013/1st Meeting held on 02nd Febuary,
2013**





PANDIT DWARKA PRASAD MISHRA
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,
DESIGN & MANUFACTURING JABALPUR

Minutes of 2013/1st Meeting of Building & Works Committee (B&WC) of PDPM Indian Institute of Information Technology, Design & Manufacturing Jabalpur held on Saturday, February 02, 2013 at 15:00 hrs. at the Conference Hall of the Institute.

Members Present:

- | | | |
|-----|---|----------------------------|
| 1. | Prof. Aparajita Ojha,
Director, PDPM-IIITDM Jabalpur | Chairperson |
| 2. | Ms. Yatendra Kumar,
Under Secretary
MHRD, New Delhi | Nominee of Shri R.D. Sahay |
| 3. | Prof. G.K.Sharma,
IIT Gandhinagar | Member |
| 4. | Prof. Puneet Tandon,
Dean, Planning and Development
PDPM-IIITDM, Jabalpur | Member |
| 5. | Shri D.K. Pandey
SE, MPPKVV Comp. Ltd., Jabalpur | Member |
| 6. | Shri P.R. Patil,
SE (Civil), BCC,CPWD, Bhopal | Member |
| 7. | Dr. Atul Gupta,
Member CAC, PDPM IIITDM | Special Invitee |
| 8. | Dr. Dinesh Vishwakarma,
Member CAC, PDPM IIITDM | Special Invitee |
| 9. | Dr. Prabir Mukhopadhyay,
Member CAC, PDPM IIITDM | Special Invitee |
| 10. | Shri Sanjay Agrawal,
SE(Elect.), BCEC,CPWD, Bhopal | Special Invitee |
| 11. | Shri R.K. Choudhary,
EE(Civil), JPD, CPWD, Jabalpur | Special Invitee |

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7

- | | | |
|-----|---|--------------------|
| 12. | Shri N.S. Rawat,
EE (Elect.), Planning, CPWD, Bhopal | Special Invitee |
| 13. | Shri P. Shukla,
AE, CPWD, Jabalpur | Special Invitee |
| 14. | Shri Rajiv Agrawal,
AE(Elect.), CPWD, Jabalpur | Special Invitee |
| 15. | Shri S.K. Saini,
Representative of M/s Architect Atelier,
Chandigarh. | Special Invitee |
| 16. | Shri Amit Saini
Representative of M/s Architect Atelier,
Chandigarh. | Special Invitee |
| 17. | Shri A.B. Jadeja
Representative of M/s Datta and Datta,
Ahmedabad. | Special Invitee |
| 18. | Shri V. K. Dubey
EE (Civil), PDPM-IIITDM, Jabalpur | Institute Engineer |
| 19. | Shri R.P. Dwivedi
Deputy Registrar, PDPM-IIITDM, Jabalpur | Secretary |

B&WC/2013:1.01

Opening Remarks by the Chairperson.

The Chairperson and the Director of the Institute Prof. Aparajita Ojha welcomed all the members and introduced the new members and special invitees with the other members of the Committee. Then she briefed the members, about recently finalized layout plan of the campus and requested Prof. Puneet Tandon (Dean, P&D) to present an overview of ongoing and future construction projects of the Institute. He presented the progress of the construction projects under execution and also gave an overview of projects planned in the current and next financial year. Further, he presented the long term plan of gradual development of the Institute infrastructure.

B&WC/2013:1.02

Confirmation of Minutes of BWC/2012/2nd meeting of the Building & Works Committee held on June 30, 2012

The following comment was received from one of the members about the minutes of meeting.

1. Typing error at P-2 in the spelling of "M/s convince Roy" and is to be read as M/s. Kanvinde Rai.

Minutes of the BWC/2012/2nd meeting of B&WC, held on June 30, 2012 were confirmed with the above modification.

B&WC/2013:1.03

To consider the Revised Preliminary cum Detailed Estimate (RPDE) for the work of Construction of Basket Ball Court Complex (Indoor) at PDPM-IIITDM Jabalpur.

The vetted modified RPDE for the work, amounting to Rs. 4,77,14,500/- i/c 3% contingencies, 1% Labour Cess, 1% for quality assurance, 4% Service tax, and 5.612% Architect Fee, as received from the SE (Planning), BCC, CPWD, Bhopal was placed before the committee. Some of the members showed concern over the increase in the revised amount of Preliminary-cum-Detailed Estimates. The SE (Civil), BCC, CPWD, Bhopal clarified that the value of RPDE has been increased as compared to the original Preliminary cum Detailed Estimate, because of the following reasons.

1. The additions of some rooms and the approach way, in the building, to provide connectivity of the building with other parts of Student Activity Centre, as proposed by the consultant, which would not be required for the remaining part of Student Activity Center (SAC).
2. Some enhanced scope of work in the original work of Basket Ball Court Complex at PDPM-IIITDM Jabalpur.
3. Because of shifting of building site to protect existing trees; there is deviation in the quantities of cuts / fills.

After deliberations, it was concluded that the Revised Preliminary cum Detailed Estimate as forwarded by the SE (Planning), BCC, CPWD, Bhopal was justified. The value of the architect fee as mentioned in the estimate was corrected from 5% (+12.36% service tax) to 4.5%(+12.36% service tax). Accordingly the corrected value of the estimate i.e. Rs. 4,74,83,000/- (Rs. Four crore seventy four lacs eighty three thousand only) was accepted by the Committee.

The Committee recommended the Revised Preliminary cum Detailed Estimate (RPDE) for the work of Construction of Basket Ball Court Complex (Indoor) at PDPM-IIITDM Jabalpur for a value of 4,74,83,000/- (Rs. Four Crore seventy four lacs eighty tree thousand only) to the Finance Committee for consideration and onward recommendation to the BOG for Administrative Approval and Expenditure Sanction.

B&WC/2013:1.04 To consider the Preliminary cum Detailed Estimate (PDE) for the work of Construction of Roads and Service Network Phase - II at PDPM-IIITDM, Jabalpur.

The vetted estimate by the SE, BCC, CPWD, Bhopal for a value of Rs.18,41,24,400/- including 3% contingencies, 1% for quality assurance, 1% for Labor Cess, 4% for service tax was placed before the committee and was discussed at length. The portion of road / service network taken into consideration in the estimate was brought into the knowledge of the members. It was explained that all the services including roads, sewer lines, storm water drainage, water supply lines, recycled water lines, side footpaths, culverts, RCC hume pipe etc. for about 7.5 km of length have been covered in the estimate. The architect fee was not covered in the vetted estimate received from the CPWD, the same was suggested to be added. The committee accepted the estimate for a total value of 19,26,71,800/- (Rs. Nineteen crore twenty six lacs seventy one thousand eight hundred only) including 4.5% Architect Fee + service tax @12.36%.

The Committee recommended the Preliminary cum Detailed Estimate (PDE) for the work of Construction of Roads and Service Network Phase - II at PDPM-IIITDM, Jabalpur for a value of 19,26,71,800/- (Rs. Nineteen crore twenty six lacs

seventy one thousand eight hundred only) to the Finance Committee for consideration and onward recommendation to the BOG for Administrative Approval and Expenditure Sanction.

B&WC/2013:1.05 To consider the Preliminary cum Detailed Estimate (PDE) for the work of Construction of Electrical Networking System (Balance work) at PDPM-IIITDM, Jabalpur.

The Preliminary cum Detailed Estimate for the above works, as prepared by M/S Datta & Datta Associates was discussed at length. The provisions made in the estimate to provide HT supply lines to the whole campus with two additional CSS at Hostel area, three additional CSS along with HT cables in Academic area and two CSS with HT cable in Residential areas were explained with justification for each CSS. It was pointed out that because of expected load in academic area, one more CSS would be required in future. It was decided that the HT cables should be laid out for the additional CSS required in future. The SE (Elect.), BCEC, CPWD, Bhopal confirmed that the cost of estimate submitted by M/s Datta and Datta Associate i.e. Rs.732.26 lacs is justified. However, he stated that some minor corrections in the proposed scheme are to be incorporated and that will not affect the project cost. The committee accepted the estimate amounting to Rs.732.26 lacs including 1% for Labour Cess, 3% contingencies and 5% Architect fees.(+ 12.36% service tax). The value of the architect fee as mentioned in the estimate was corrected to 4.5% (+12.36% service tax). Accordingly, the corrected value of the estimate i.e.728.67 lacs (Rs. Seven hundred twenty eight point six seven lacs only) was accepted by the committee.

The Committee recommended the Preliminary cum Detailed Estimate (PDE) for the work of Construction of Electric Networking System (Balance work) of PDPM IIITDM Jabalpur for a value of Rs.728.67 lacs (Rs. Seven hundred twenty eight point six seven lacs only) to the Finance Committee for consideration and onward recommendation to the BOG for Administrative Approval and Expenditure Sanction.

B&WC/2013:1.06

To consider the Preliminary Estimate (PE) for the work of Construction of Technology Incubation Centre at PDPM-IIITDM, Jabalpur

The vetted estimate from the CPWD amounting to the modified value of Rs.17,90,73,300/- including 58% cost index, 4% service tax, 1% for quality assurance, 1% for Labor Cess, 3% contingences and 5% Architect fee (+12.36% service tax) was placed before the committee. Some of the members of the Committee were of the opinion that the cost is on higher side. Then, the SE(Civil), CPWD, Bhopal explained, that the apparently high cost of vetted estimate is due to recently revised cost index at Jabalpur, from 148% to 158%. The committee deliberated on the preliminary drawings for the work, the estimate and the cost per sqm. for the proposed building. It was further discussed that part of the building has air conditioning requirement and the same has been included in the proposal. After deliberation, the members were satisfied with justification provided by the CPWD officials and the architect on the cost of the building. The architect fee as taken in the estimate was corrected from 5% to 4.5% (+service tax 12.36%). Accordingly, the PE (with corrected architect fee) for a value of Rs.17,82,32,000/- (Rs. Seventeen crore eighty two lacs thirty two thousand) was accepted by the committee.

The Committee recommended the Preliminary Estimate (PE) for the work of Construction of Technology Incubation Centre for a value of Rs. 17,82,32,000/- (Rs. Seventeen crore eighty two lacs thirty two thousand) to the Finance Committee for consideration and onward recommendation to the BOG for Administrative Approval and Expenditure Sanction.

B&WC/2013:1.07

To consider the Preliminary Estimate (PE) for the work of Construction of Multi Utility Centre at PDPM-IIITDM, Jabalpur

The vetted estimate from the CPWD, amounting to the value of Rs.10,55,09,200/- including 58% cost index, 4% service tax, 1% for quality assurance, 1% for labour cess, 3% contingency and 5% (+service tax) architect fee was placed before the committee. The SE(Civil), CPWD, Bhopal explained that the cost of vetted estimate has been increased due

to the recently revised cost index at Jabalpur, from 148% to 158% and also due to inclusion of 4% service tax. The committee deliberated the Preliminary Drawings for the work, the estimate and the cost per sqm for the proposed building. The architect fee as taken in the estimate was corrected from 5% to 4.5% (+service tax 12.36%). Accordingly the PE (with corrected architect fee) for a value of Rs. 10,50,00,700/- (Rs. Ten crore fifty lacs seven hundred only) was accepted by the committee.

The Committee recommended the Preliminary Estimate (PE) for the work of Construction of Multi Utility Centre for a value of Rs. 10,50,00,700/- (Rs. Ten crore fifty lacs seven hundred only) to the Finance Committee for consideration and onward recommendation to the BOG for Administrative Approval and Expenditure Sanction.

B&WC/2013:1.08 To consider the Preliminary Estimate for the work of Construction of Professional Lab Complex at PDPM-IIITDM, Jabalpur.

The drawings proposed for the building, the value of the estimate and per sq. m. cost etc. were discussed at length. The members deliberated on the area requirement for various disciplines and future plans for introduction of new programmes. After deliberations, it was concluded that the area of this building could be reduced in accordance to the actual area requirements and thus, the cost of the building could be reduced substantially. It was decided to review the requirements proposed by different disciplines at the Institute level in consultation with the SE(C), BCC, CPWD Bhopal and members of CAC so as to reduce the building area / cost of the estimate.

In view of the urgent requirement of the building it was decided to hold another meeting of the Building and Works Committee at a short notice to consider the modified proposal for the Preliminary Estimate for the work of Construction of Professional Lab Complex at PDPM-IIITDM, Jabalpur after getting reviewed, the area requirements and the cost estimation at the Institute level. It was decided to hold the meeting in the month of February 2013 only. The proposal was deferred with the above note.

B&WC/2013:1.09

Any other item with the permission of the chair.

B&WC/2013:1.09 (a)

To consider the Preliminary cum Detailed Estimate for P/I Footpaths, Sewerage Line, Water Supply Lines, Storm Water, Drains & Cable Ducting along Ring Road.

The Preliminary cum Detailed Estimate for the work, amounting to Rs.3,19,89,725/-(Rs. Three crore nineteen lacs eighty nine thousand seven hundred twenty five) including, 1% for Labour Cess, 3 % Contingencies, 4.5% (+Service tax) Architect fee, as prepared by M/s Datta and Datta Associates was discussed at length. The members were informed that the Administrative Approval and Expenditure Sanction for the Ring Road has already been accorded but the provisions for other services were not incorporated in the earlier estimate. Now the work for services networking along the road side has been proposed so that both the works (road and service network on the ring road) may be taken up simultaneously. The SE(C), BCC, CPWD, Bhopal informed that they have checked the estimate and the estimated value is justified. The committee accepted the estimate for the above mentioned work after going through its details.

The Committee recommended the Preliminary cum Detailed Estimate (PDE) for the work of Construction of Footpaths, Sewerage line, Water Supply Lines, Storm water, Drains & Cable Ducting along Ring Road for a value of Rs. 3,19,89,725/- (Rs. Three crore nineteen lacs eighty nine thousand seven hundred twenty five) to the Finance Committee for consideration and onward recommendation to the BOG for Administrative Approval and Expenditure Sanction.

The meeting ended with a vote of thanks to the Chair and other members.

A.O. Jha
16-2-2013
Prof. Aparajita Ojha
Chairperson, B&WC

R.P. Dwivedi
R.P. Dwivedi
Deputy Registrar & Secretary

B&WC/2013: 2.03	<p>To consider the modified Preliminary Estimate for the work of Construction of Professional Lab Complex at PDPM-IIITDM, Jabalpur.</p> <p>In compliance of the observations of the B&W committee during its 1st meeting 2013, held on Feb 2, 2013, a modified Preliminary Estimate, amounting to Rs. 4479.54 lacs (Rupees four thousand four hundred seventy nine point five four lacs only) including, 1% for labourcess, 1% for QA, 3% contingencies, and 4.5% (+Ser. Tax) Architect fees, has been framed by M/s Architect Atelier, Chandigarh. The copy of the estimate is annexed as <u>Annexure B&WC/2013/2/A-1</u>. The Estimate has been sent to the CPWD for proof checking. The vetted estimate from the CPWD shall be placed on the table during the meeting itself.</p> <p>The B & WC is requested to consider the modified Preliminary Estimate for construction of Professional Lab Complex at PDPM-IIITDM, Jabalpur for the value as vetted by the CPWD, and to request the Finance Committee to consider the same for onward recommendation to the Board of Governors for its Administrative Approval and Expenditure Sanction.</p>
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Annexure
B&WC/2013/2/A-1

(Page No. 17 to 28)



GENERAL ABSTRACT OF COST

Name of Work : - C/o Professional labs Complex at PDPM IIIT, D&M Campus, Jabalpur (MP)

S.No.	DETAILS OF SUB HEAD	CIVIL	ELECT.	TOTAL
1	Building Works	295,054,349	89,135,552	384,189,901
2	Bulk Services	4826250	320000	5,146,250
	TOTAL	299,880,599	89,455,552	389,336,151
	Add for GRIHA specifications and items like Aac blocks , LED lights	5.00%		19,466,808
	Add for Quality assurance @ 1%	1.00%		3,893,362
	Add for labour cess @ 1%	1.00%		3,893,362
	Architects fee @4.5%	5.056%		19,684,836
	Add for contingencies @ 3%	3.00%		11,680,085
			TOTAL	447,954,603
			Say	447,954,600

for architects atelier

For Architects Atelier

(partner) Partner

ABSTRACT OF COST

Name of Work : - C/o Professional labs Complex at POPM IIT, D&M Campus, Jabalpur (MP)

Sl. No.	Sub Head and Item of work				
		Qty	Rate	Unit	Amount
SH-1 : MAIN BUILDING					
	PLINTH AREA	BLOCK-A	BLOCK-B	TOTAL AREA	
	GROUND FLOOR	1022.5	536	1558.5	sqm
	FIRST FLOOR	1022.5	536		sqm
	SECOND FLOOR	1022.5	536		sqm
	THIRD FLOOR	1022.5	536		sqm
	FOURTH FLOOR	1022.5	536		sqm
	FIFTH FLOOR	1022.5	536		sqm
	SIXTH FLOOR	1022.5	536		sqm
	SEVENTH FLOOR	-	536		sqm
	TOTAL AREA IN Sqmt	7157.5	4288	11445.5	sqm
	TOTAL AREA IN Sqft	77014.7	46138.88	123153.58	sft
	Say	11445.5	sqm		sqm

1	CIVIL					
1.1	RCC Framed Structure of normal floor height of 3.35m.	11445.5	13.200	Sqm	151,080,600	'A'
1.2	Every 0.30 m deeper foundation over normal depth of 1.2 (on GF only)	1558.5	150	Sqm	233,775	PAR' 07
1.3	Extra for additional floor height (4.5 - 3.35=1.15m)	7157.5	600	Sqm	4,294,500	PAR' 07
1.4	Extra for 0.30 metre higher plinth over normal 0.6 m(0.9m)	11446	150	Sqm	1,716,825	PAR' 07
1.5	Extra for resisting earthquake forces	11446	530	Sqm	7,210,685	PAR' 07
1.6	Extra for larger modules over 35 sqm	7157.5	990	Sqm	7,085,925	PAR' 07
1.7	Stronger Structural member to take heavy load above 500 kg/sqm upto 1000 kgs/sqm (only in lab area)	7157.5	850	Sqm	8,083,875	PAR' 07
					177,706,165	
1.8.1	Extra for high performance curtain wall glass instead of reflective or double float glass only in faculty offices	784	4,842	Sqm	3,796,128	MR
1.8.2	Extra for False ceiling @Rs 648/sqm of carpet area of faculty office i.e 4288x .80	3430.4	548	Sqm	2,216,038	MR
					183,718,331	
Services						
1.9	Internal water supply and sanitary installation on 'A'	151,080,600	4	%	6,043,224	PAR' 07
1.10	External service connection on 'A'	151,080,600	-	%	-	PAR' 07
					Total	188,479,703
	Enhancement over PAR 2007 rate as per approved cost index of 158 i.e. add @ 58%					108,574,846
					Total	295,054,349
					TOTAL X + Y =	295,054,349

For Architects Atelier

Partner

2 ELECTRICAL

2.1	Internal electric installation on A (for laboratories)	151,080,600	15.0 %		22,662,090	PAR'07
2.2	External service connection on A	151,080,600				PAR'07
2.3	Telephone conduits and wiring on A	151,080,600	0.5 %		755,403	PAR'07
2.4	Power wiring & plugs on A	151,080,600	4.0 %		8,043,224	PAR'07
2.5	Computer conducting on A	151,080,600	0.5 %		755,403	PAR'07
2.6	Lightning conductors upto 4 storeyed building	151,080,600	0.5 %		755,403	PAR'07
2.7	Add for 3 nos. 16 passenger lifts	3	2,390,000		7,170,000	PAR' 07
2.8	Fire fighting - automatic alarm system	11446	300 Sqm		3,433,650	PAR' 07
2.9	Fire fighting - wet riser system	11446	300 Sqm		3,433,650	PAR' 07
					45,008,323	
2.10	Extra for airconditioning @ Rs 60,000/ ton (15sqm/ton)	250	60,000		15,000,000	MR
2.11	add for BMS system	151,080,600	2%		3,021,612	MR
					Total	63,030,435
	Enhancement over PAR 2007 rate as per approved coskindex of 158 i.e. add @ 58%					28,105,117
					Total	89,135,552
					Total	89,135,552

for architects atelier

For Architects Atelier

(partner)

Partner

Name of Work : - C/o Professional labs Complex at PDPM IIIT, D&M Campus, Jabaipur (MP)

Sl.	Sub Head and item of work	Qty	Rate	Unit	Amount
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SH-III : BULK SERVICES

1) Civil

1.1	Over Head Tank without independent staging	75000	9.00	Litre	675000	PAR,2007
1.2	Under ground sump including for fire fighting	300000	9.00	Litre	2700000	PAR,2007
					TOTAL	3375000
Enhancement over PAR 2007 rate as per approved cost index of 143 i.e.add @ 43% on PAR 2007 items						
						1451250
					TOTAL	4826250

2) Electrical

2.1	Booster pumps for underground sump including accessories	2	160,000.00	Each	320,000	MR
					TOTAL	320000
Enhancement over PAR 2007 rate as per approved cost index of 143 i.e.add @ 43% on PAR 2007 items						
					TOTAL	320000

for architects atelier

For Architects Atelier


Partner
(partner)

Name of Work : - C/o Professional labs Complex at PDPM IIIT, D&M Campus, Jabalpur (MP)

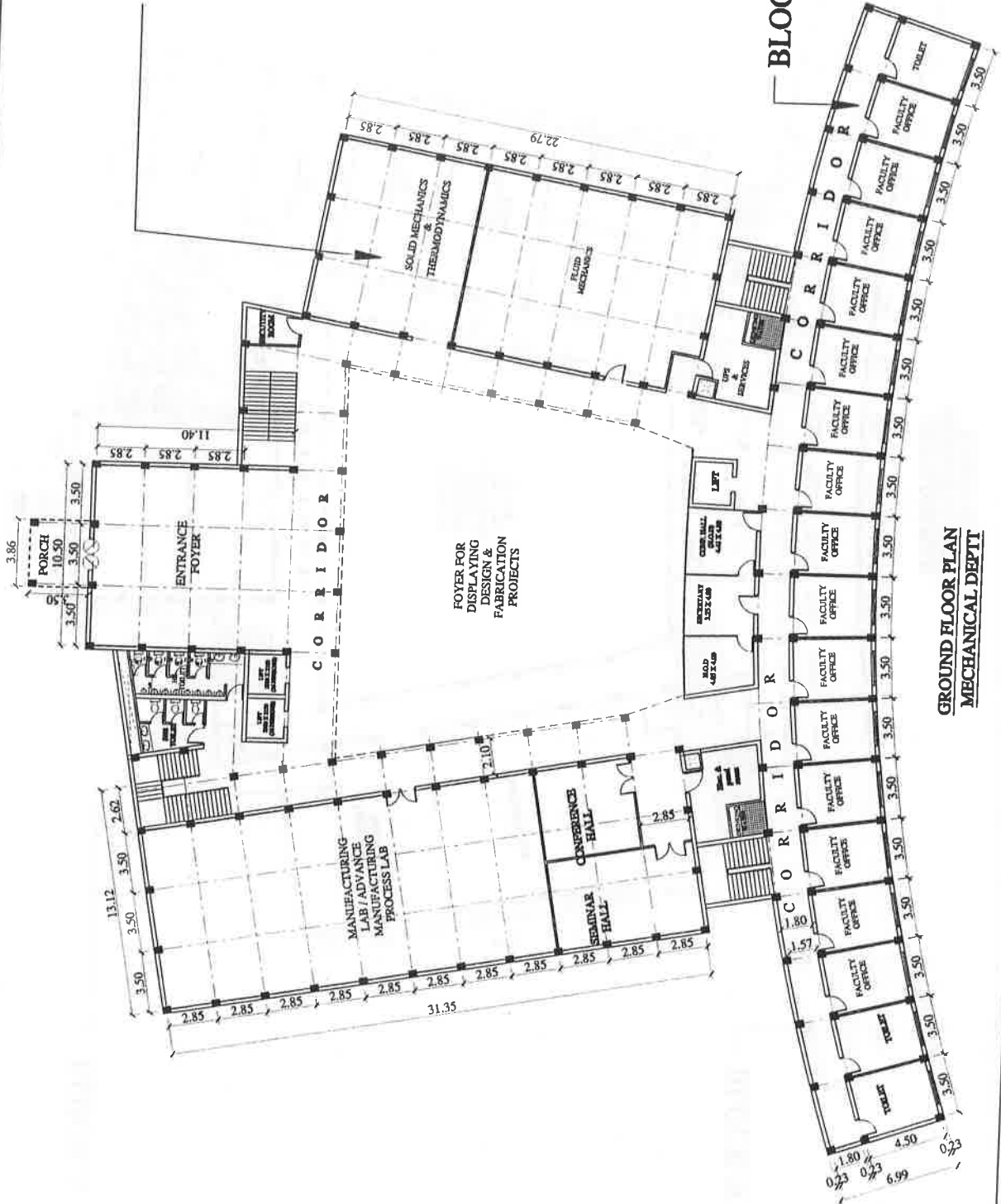
SR. NO.	DESCRIPTION	AREA		TOTAL AREA
		BLOCK-A	BLOCK-B	
1	GROUND FLOOR	1022.5	536	
2	FIRST FLOOR	1022.5	536	
3	SECOND FLOOR	1022.5	536	
4	THIRD FLOOR	1022.5	536	
5	FOURTH FLOOR	1022.5	536	
6	FIFTH FLOOR	1022.5	536	
7	SIXTH FLOOR	1022.5	536	
8	SEVENTH FLOOR	-	536	
	TOTAL AREA IN Sqmt	7157.5	4288	11445.5
	TOTAL AREA IN Sqft	77014.7	46138.88	123153.58

For Architects Atelier


Partner

BLOCK-A

BLOCK-B

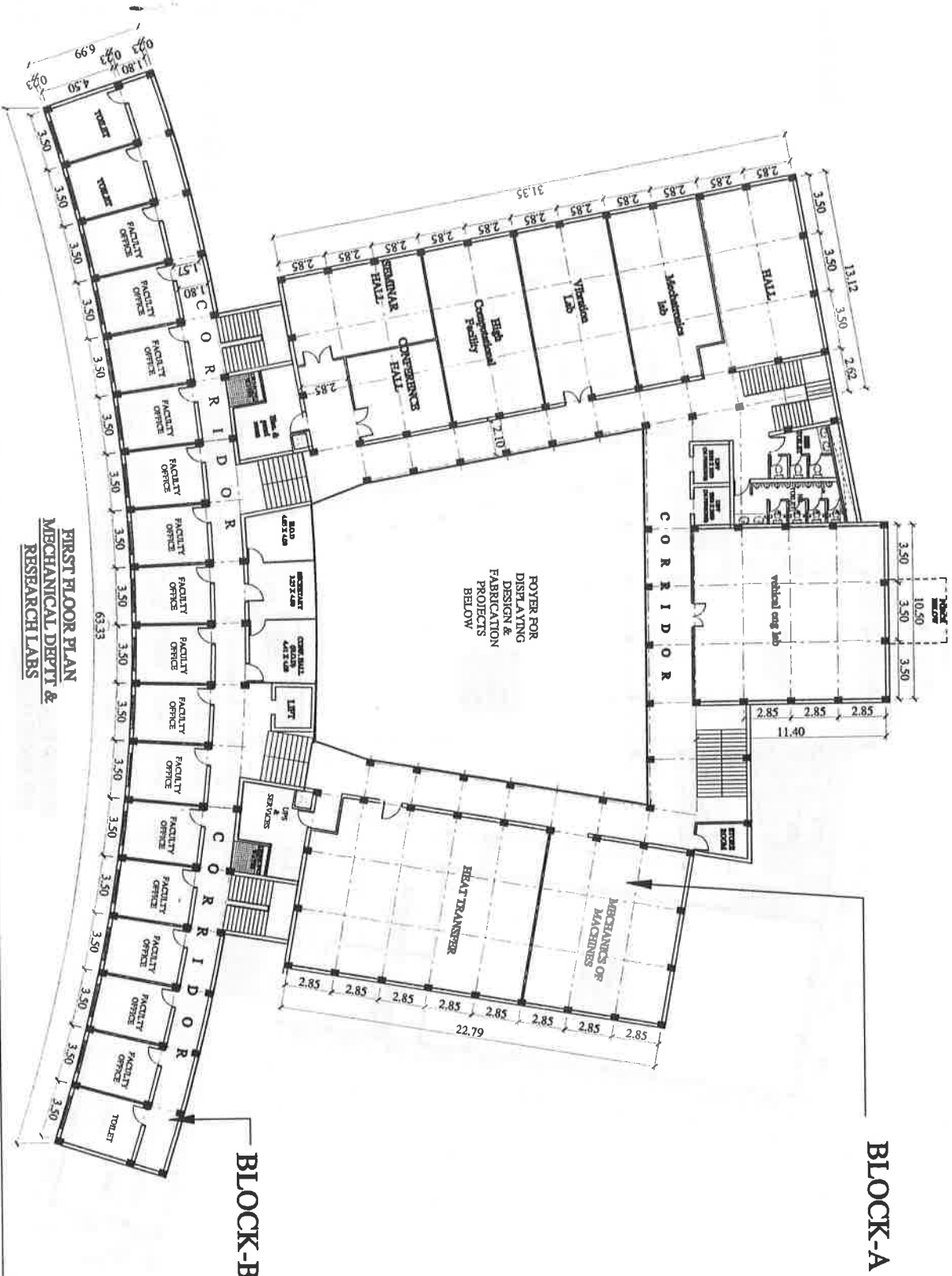


**GROUND FLOOR PLAN
MECHANICAL DEPTT**

NOTE

This drawing is the property of architect/structural/interior/MEP/ civil/ mechanical/ electrical/ plumbing/ etc. and cannot be altered, used or copied without the written consent of architect/interior.

THE NAME - name/	Date	Revision
NO		
IIT JABALPUR		
PROFESSIONAL LABS COMPLEX		
This GROUND FLOOR PLAN		
Scale	1:100	
Drawn by	DATE	
Checked by	DATE	
Project No.	A-01	
Scale	1:100	
Drawn	DATE	
Checked	DATE	
architect/interior/structural/mechanical/electrical/plumbing/ etc.		
architect/interior/structural/mechanical/electrical/plumbing/ etc.		
architect/interior/structural/mechanical/electrical/plumbing/ etc.		
architect/interior/structural/mechanical/electrical/plumbing/ etc.		
architect/interior/structural/mechanical/electrical/plumbing/ etc.		



**FIRST FLOOR PLAN
MECHANICAL DEPTT &
RESEARCH LABS**

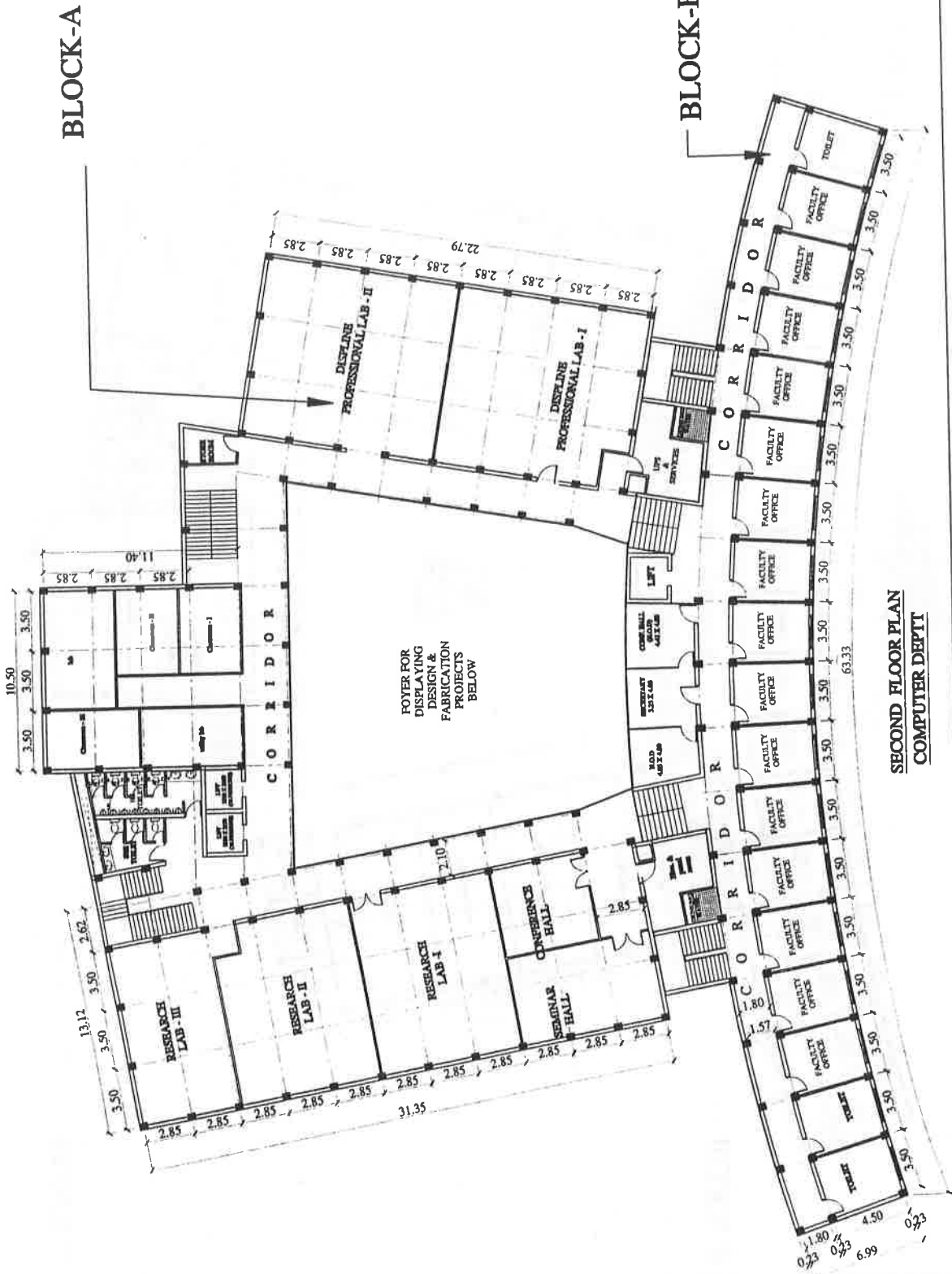
BLOCK-B

BLOCK-A

NOTE
This drawing is the property of
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used for any other project without the
written consent of the architect.

T.I. No. - 1001
DATE - 10/10/17
BY - [Signature]
FOR - [Signature]

Client	HIT JABALPUR
Project	PROFESSIONAL LABS COMPLEX
Location	THE FIRST FLOOR PLAN
Scale	1:100
Drawn by	NTS
Checked by	NTS
Project No.	A-02
Sheet No.	1 of 1



BLOCK-A

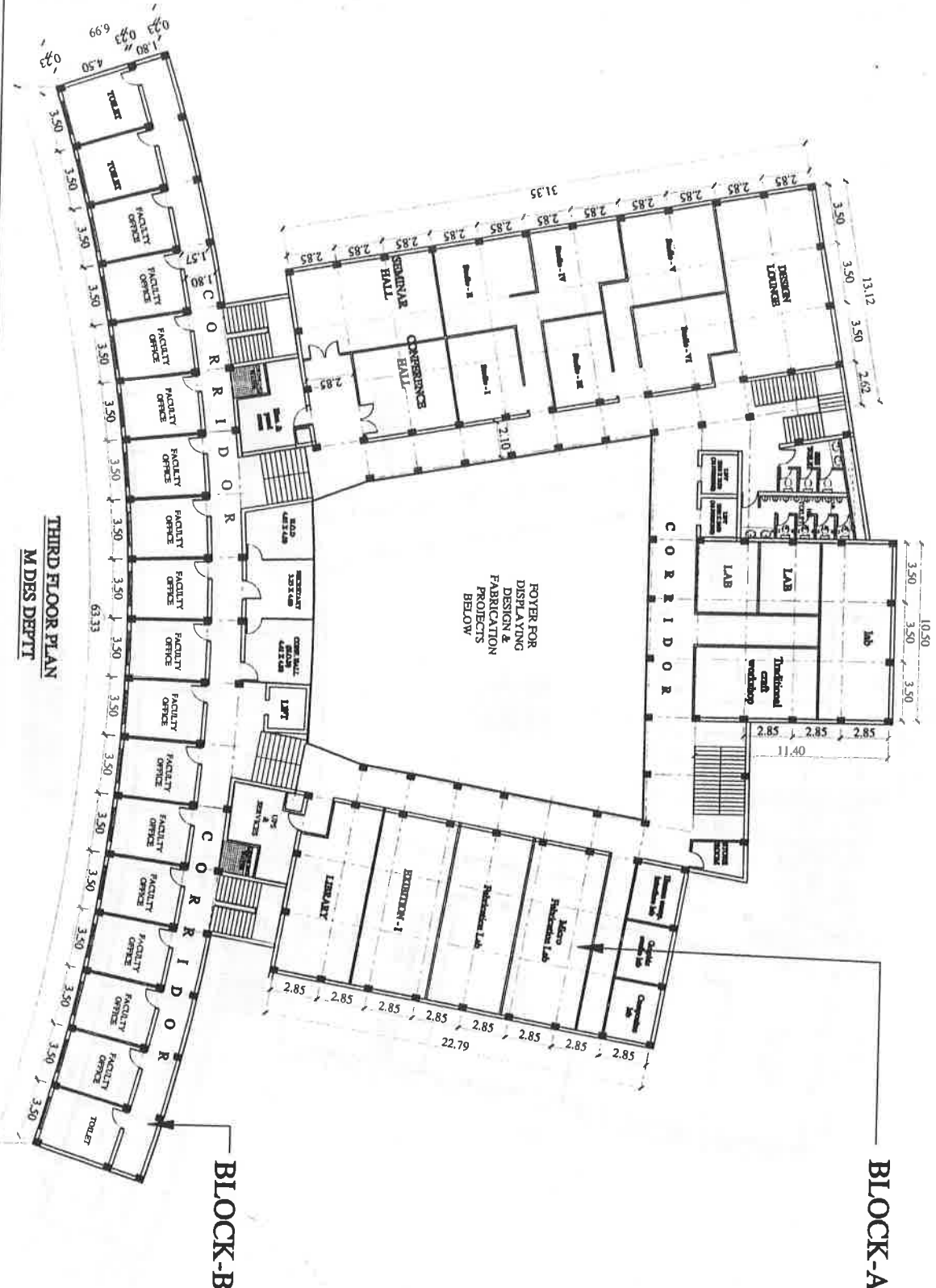
BLOCK-B

SECOND FLOOR PLAN
COMPUTER DEPTT

NOTE

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FILE NAME - 00007	DATE	REVISION
IIT JABALPUR		
PROFESSIONAL LABS COMPLEX		
SECOND FLOOR PLAN		
DATE	PROJECT NO.	SCALE
15/02/2015	A-03	1:100
DESIGNER	CHECKER	DATE
ARCHITECTS AND ARCHITECTURAL SERVICES PVT. LTD.		FEB 2015
ARCHITECTS AND ARCHITECTURAL SERVICES PVT. LTD.		
ARCHITECTS AND ARCHITECTURAL SERVICES PVT. LTD.		
ARCHITECTS AND ARCHITECTURAL SERVICES PVT. LTD.		
ARCHITECTS AND ARCHITECTURAL SERVICES PVT. LTD.		



THIRD FLOOR PLAN
M DES DEPTT

BLOCK-B

BLOCK-A

FOYER FOR
DISPLAYING
DESIGN &
FABRICATION
PROJECTS
BELOW

LABORATORY

EXHIBITION - I

LABORATORY

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This drawing is the property of
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or transmitted in any form or by any means
without the written consent of the architect and/or
engineer.

DATE: 10/10/2013

SCALE: 1/8" = 1'-0"

PROJECT: IIT JABALPUR PROFESSIONAL LABS COMPLEX

CLIENT: IIT JABALPUR

DESIGNER: M DES DEPTT

DATE: 10/10/2013

PROJECT: IIT JABALPUR PROFESSIONAL LABS COMPLEX

CLIENT: IIT JABALPUR

DESIGNER: M DES DEPTT

DATE: 10/10/2013

PROJECT: IIT JABALPUR PROFESSIONAL LABS COMPLEX

CLIENT: IIT JABALPUR

DESIGNER: M DES DEPTT

DATE: 10/10/2013

PROJECT: IIT JABALPUR PROFESSIONAL LABS COMPLEX

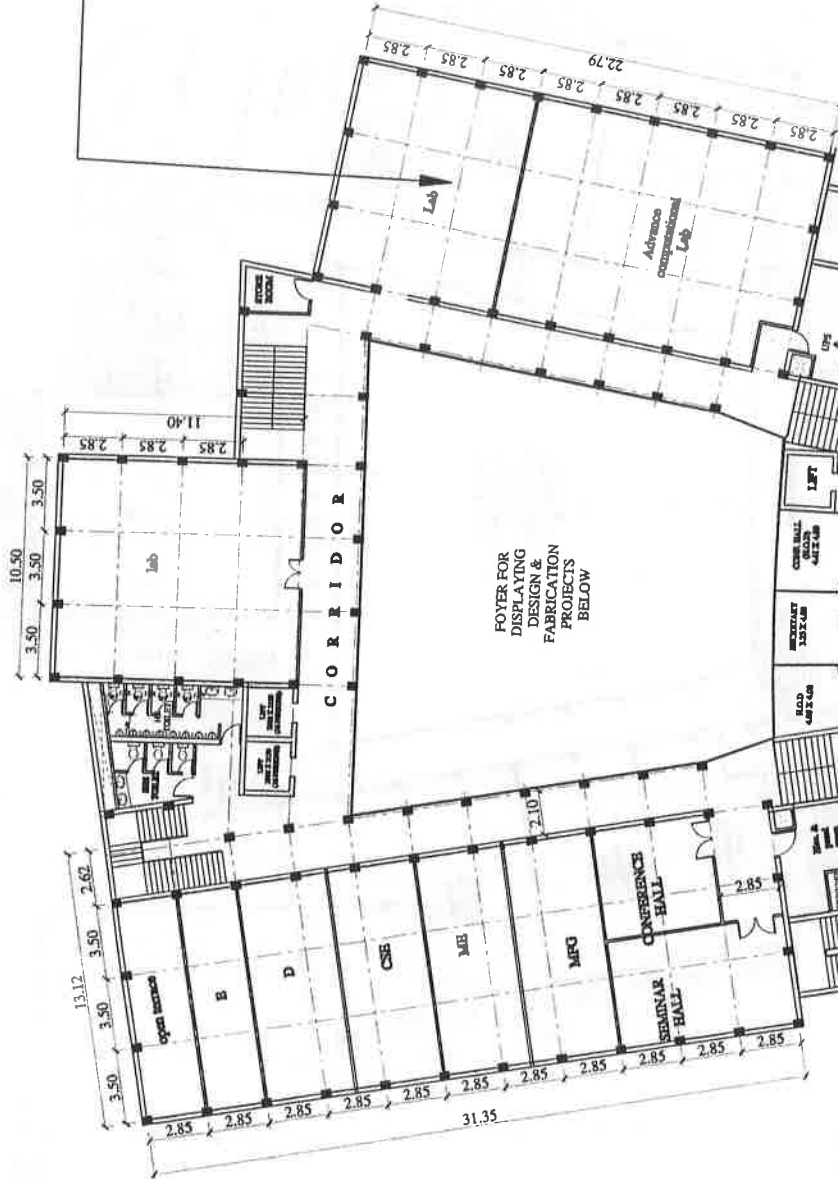
CLIENT: IIT JABALPUR

DESIGNER: M DES DEPTT

DATE: 10/10/2013

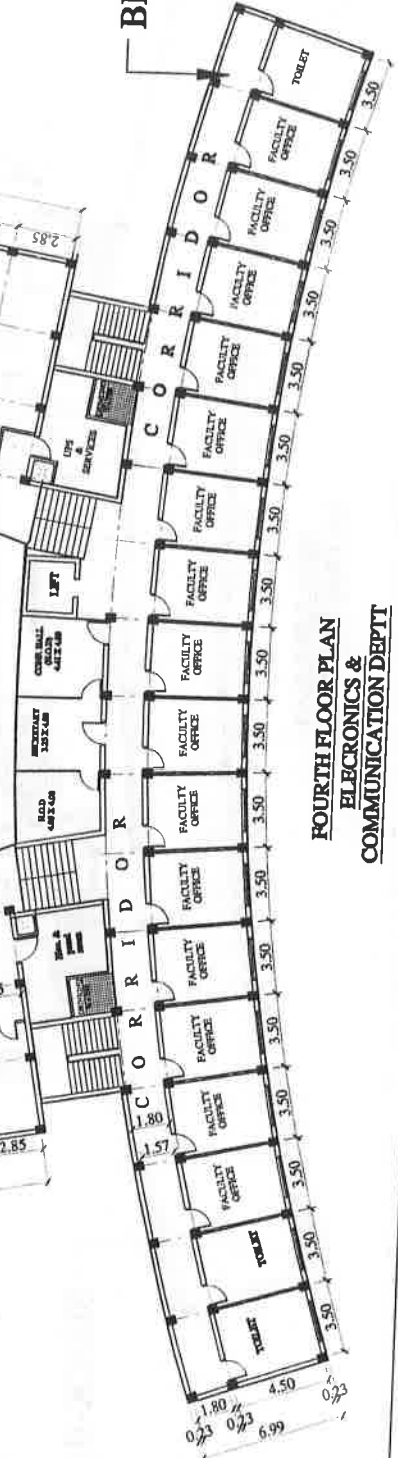
PROJECT: IIT JABALPUR PROFESSIONAL LABS COMPLEX

BLOCK-A



FOYER FOR
DISPLAYING
DESIGN &
FABRICATION
PROJECTS
BELOW

BLOCK-B

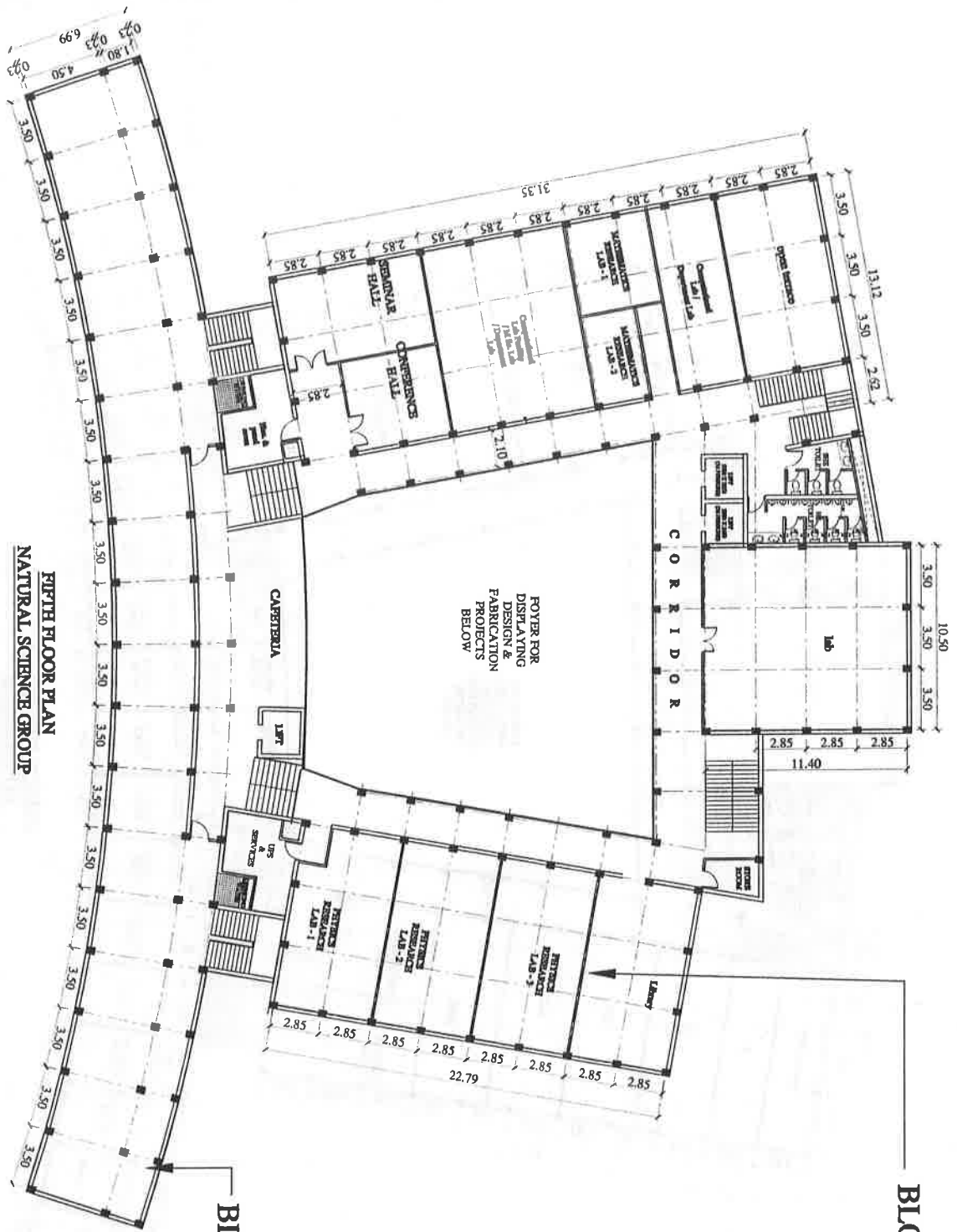


**FOURTH FLOOR PLAN
ELECTRONICS &
COMMUNICATION DEPT**

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Project Name	ITJ Jabalpur Professional Labs Complex
Drawn By	A-05
Scale	NTS
Date	
Client	Architects atelier projects pvt. ltd.
Address	Plot No. 176, Sector 17, Indira Nagar, Jabalpur, M.P.
Project No.	176/176
Sheet No.	44/176



FIFTH FLOOR PLAN
NATURAL SCIENCE GROUP

BLOCK-A

BLOCK-B

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T/E: NWC - www /

DR. JABALPUR PROFESSIONAL LABS COMPLEX THE FIFTH FLOOR PLAN

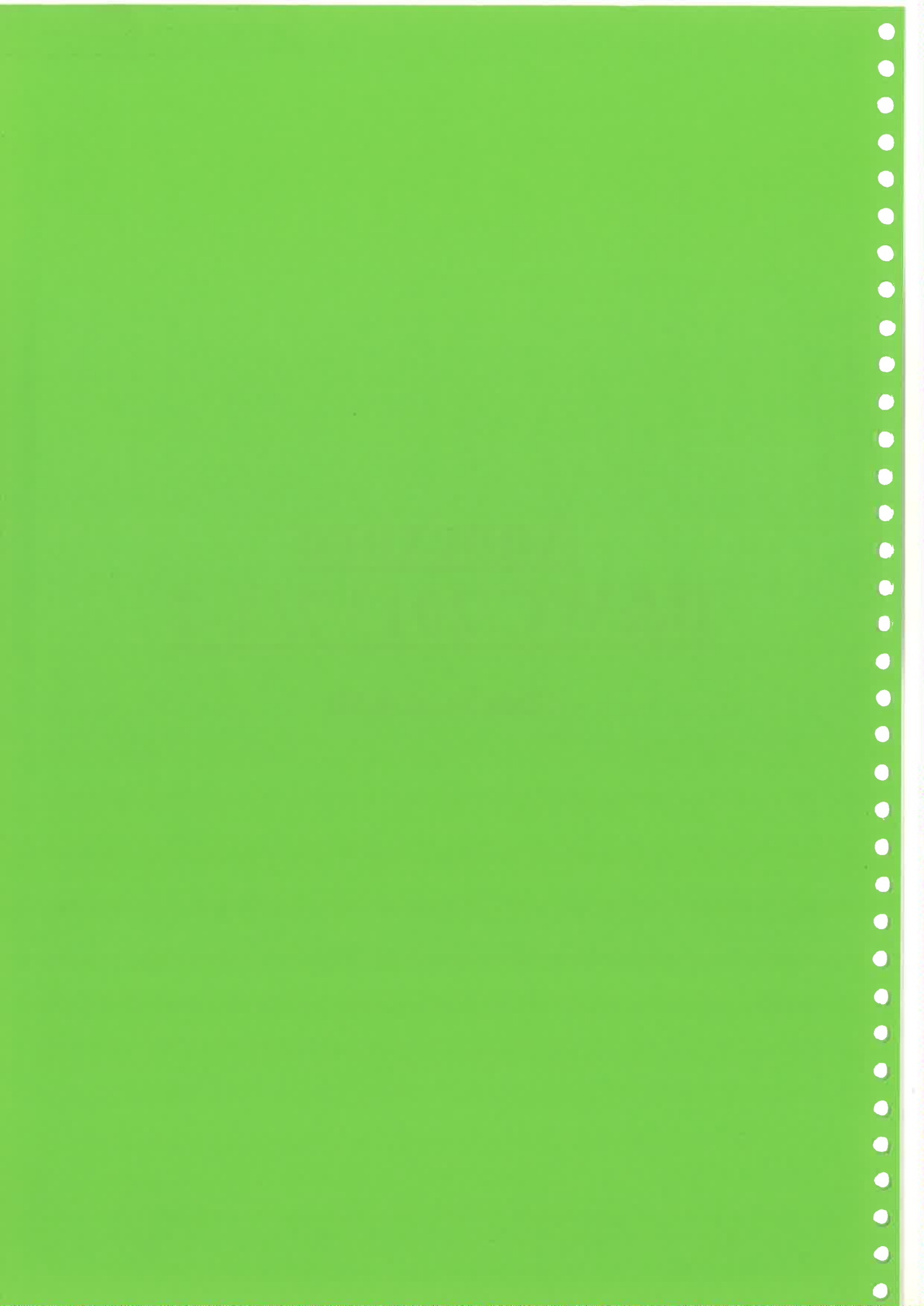
Scale	1/8" = 1'-0"
Date	2013
Architect	DR. JABALPUR PROFESSIONAL LABS COMPLEX
Client	DR. JABALPUR PROFESSIONAL LABS COMPLEX
Project No.	A-06
Drawn by	NWS
Checked by	NWS
Scale	1/8" = 1'-0"
Date	2013
Architect	DR. JABALPUR PROFESSIONAL LABS COMPLEX
Client	DR. JABALPUR PROFESSIONAL LABS COMPLEX
Project No.	A-06
Drawn by	NWS
Checked by	NWS

B&WC/2013: 2.04	<p>To consider Preliminary cum Detailed Estimate for the work of Street Lighting along ring road and approach road to hostel area at PDPM-IIITDM, Jabalpur.</p> <p>A Preliminary cum Detailed Estimate for the above work amounting to Rs. 117.18.00 (Rupees One hundred and seventeen lacs only) on DSR 2012 plus MR including 3% contingencies and 4.5%(Ser.Tax) Architect fees, has been framed by M/s. Datta and Datta Associates Ahmedabad. The copy of the estimate is annexed as <u>Annexure B&WC/2013/2/A-2.</u></p> <p>The Estimate has been sent to the CPWD for proof checking. The vetted estimate from the CPWD shall be placed on the table during the meeting itself.</p> <p>The B & WC is requested to consider the Preliminary cum Detailed Estimate for the work of Street Lighting along ring road and approach road to hostel area at PDPM-IIITDM, Jabalpur for the value as vetted by the CPWD, and to request the Finance Committee to consider the same for onward recommendation to the Board of Governors for its Administrative Approval and Expenditure Sanction.</p>
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Annexure
B&WC/2013/2/A-2

(Page No. 31 to 40)



CLIENT :PDPM Indian Institute of Information Technology Design and Manufacturing, Dumna Air Port Road, P.O. Khamariya, Jabalpur-05		
ARCHITECTS : Datta And Datta Associates, 101 Sneh Shilp, 66,Swastik Society, B/h St. Xavier's Ladies Hostel, Navrangpura Ahmedabad-380009		
Project : Street light electrification of ring road and approach road to hostel area (Road no 4) for IIITDM at Jabalpur.		
ABSTRACT OF COST		
Sr. No.	Description	Amount
1	SUB HEAD - I LT PANEL	Rs. 1,66,088.00
2	SUB HEAD - II LT CABLE	Rs. 22,70,491.00
3	SUB HEAD - III EXTERNAL ELECTRIFICATION	Rs. 84,07,790.00
	Total Cost	Rs. 1,08,44,369.00
	Add 4.5 % for Architects Fees	4.5% 4,87,996.61
	Add 12.36% Service Tax	12.36% 60316.38
	TOTAL (A+B+C)	11392681.99
	Add 3% for Contingencies on Rupees 1,08,44,369.00	3% 325331.07
	TOTAL (A+B+C+D)	11718013.06
	SAY	117.18 Lacs



Anirudh K Datta

Anirudh K Datta, Proprietor
Datta and Datta Associates, Ahmedabad

CLIENT :PDPM Indian Institute of Information Technology Design and Manufacturing, Dumna Air Port Road, P.O. Khamariya, Jabalpur-05

ARCHITECTS : Datta And Datta Associates, 101 Sneh Shilp, 66,Swastik Society, B/h St. Xavier's Ladies Hostel, Navrangpura Ahmedabad-380009

Project : Street light electrification of ring road and approach road to hostel area (Road no 4) for IITDM at Jabalpur.

SCHEDULE OF WORK

Sl.No.	Description of item	Quantity	Rate	Unit	Amount	DSR 12
1	<p>Supplying, installation, testing and commissioning of out door type double door modular, sectionalised, compartmentalized, MV Feeder pillar of suitable size fabricated from CRCA steel of 2 mm thick for frame work, enclosure and doors, 3 mm thick for gland plates with stiffers where required, having vibration free structure chemically treated with seven tank process before painting for surface treatment and powder coated,with aluminum busbar with DMC / SMC busbar supports suitable for 3 Phase 415 V 50 HZ AC supply i/c providing and fixing the following switchgear mounted thereon complete with gaskets and interconnections, connection as per specification complete as required. (The board shall be dust & vermin proof with suitable degree of IP protection) (The depth of feeder pillar should not be less than 0.50 Mtr.)</p> <p>SH-1 (LT Panels)</p>					
A	External Lighting panel as per SLD					
	(A) Incoming :					
	(i) 100 Amp, 4 pole MCCB (ics = 100% Icu) 25 KA , 415 V with Thermal Magnetic release.					
	(ii) Copper bus bar chamber with bus bar of rating 100 Amp, 4 pole at 415 V, duly PVC sleeved - 1 Set.					
	(iii) Danger notice plate -1 No.					
	(iv) 63AMP FP Digital 7 Days 24 Hrs. programmable timer with suitable contactor - 2 nos.					



Sl.No.	Description of item	Quantity	Rate	Unit	Amount	DSR 12
	(B) Outgoing :					
	(i) 63 Amp, 4 pole MCB, 10 KA at 415 V, 50 Hz - 3 Nos.					
	(ii) 40 Amp, 4 pole MCB, 10 KA at 415 V, 50 Hz - 3 Nos.					
	(iii) 25 Amp, 2 pole ELMCB, 100mA - 3 Nos.					
	(iv) 16 Amp, 2 pole ELMCB, 100mA - 3 Nos.	2	83044.00	Job	166088.00	MR
	SH:- I Total Rs.				166088.00	
	SH:-II (LT cable)					
1	Providing, laying and fixing following dia G.I pipe (medium class) in ground complete with G.I fittings including trenching (75 cm deep) and re-filling etc as required. a) 100 mm dia.	750	765.00	Mtr.	573750.00	14.13 14.13.3
2	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc as required. a) 150 mm dia b) 300 mm dia	20 20	328.00 496.00	Mtr. Mtr.	6560.00 9920.00	14.14.2 14.14.4
3	Supplying and laying of following size of XLPE insulated and PVC sheathed aluminium / copper conductor armoured power cable of 1.1 KV grade ISI Marked conforming to IS: 17098 (Part-I)1988 in the ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required. a) 31/2 x 35 sq.mm. - Aluminium b) 4 x 10 sq.mm. - Aluminium	200 2500	482.00 390.00	Mtr. Mtr.	96400.00 975000.00	MR MR



Sl.No.	Description of item	Quantity	Rate	Unit	Amount	DSR 12
4	Supplying and laying of following size of one no. XLPE insulated and PVC sheathed aluminium / copper conductor armoured power cable of 1.1 KV grade ISI Marked conforming to IS: 7098 (Part-I) 1988 in the ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc. as required.					
	a) 31/2 x 35 sq.mm. - Aluminium	50 Mtrs.	405.00	Mtr.	20250.00	MR
	b) 4 x 10 sq.mm. - Aluminium	870 Mtrs.	312.00	Mtr.	271440.00	MR
5	Supplying and laying of following size of XLPE insulated and PVC sheathed aluminium / copper conductor armoured power cable of 1.1 KV grade (ISI Mark) conforming to IS: 7098 (Part-I) 1988 in the existing RCC / Hume / Metal / PVC pipe as reqd.					
	a) 31/2 x 35 sq.mm. - Aluminium	150 Mtrs.	250.00	Mtr.	37500.00	MR
	b) 4 x 10 sq.mm. - Aluminium	750 Mtrs.	158.00	Mtr.	118500.00	MR
6	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.					
	a) 31/2 x 35 sq.mm. - Aluminium	30 Nos.	223.00	Each	6690.00	9.1.21
	b) 4 x 10 sq.mm. - Aluminium	346 Nos.	146.00	Each	50516.00	9.1.32
7	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required. - Item shall be operate as spiral earthing for street light poles	2250 Mtr	30.00	Mtr.	67,500.00	5.16
8	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required. - Item shall be operate as spiral earthing for street light poles	1870 Mtr	19.50	Mtr	36,465.00	5.18
SH:- II Total Rs.					22704	



5

Sl.No.	Description of item	Quantity	Rate	Unit	Amount	DSR 12
	SH:- III (External Electrification)					
1	<p>Supply, installation, testing and commissioning of 8 mtr above ground Octagonal, single arm poles for mounting of 45W LED fixture at 8 mtr height with help of Arm.</p> <p>The rates shall be inclusive of necessary foundation (minimum 600 x 600 x 600 mm) with anchor bolts etc complete. Supply of hot dipped galvanized (in single dip to average 70 micron) octagonal pole made of 4mm thick steel plate having base plate 240x240x16mm window and flush cover with locking arrangement at suitable height from base for cable termination block pole suitable reinforced with welded steel section at window cut section to make the strength of pole unaffected, including temple and anchor plate 240x240x3mm with 4 nos 700mm long 20mm dia foundation bolts (EN8 grade), 8 metre high, minimum dia 162 mm at bottom and 75mm at top.</p> <p>Supply and fixing following street light pole bracket on existing pole made out of 50mm dia MS 'B' class pipe welded to 300 mm long MS pole canopy of suitable dia at an angle of 102.50 including having MS triangular stiffener of size 150x50 x 5mm thick, making arrangement for lighting the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. Single Over Hang 1.50 metre Long as required. Simailr to Philips BRP320 Greenline</p>	76 Nos	23,559.00	Each	17,90,484.00	MIR
2	Supply, installation, testing and commissioning of 8 mtr above ground Octagonal, single arm poles for mounting of 45W LED fixture at 8 mtr height with help of Arm.					



Sl.No.	Description of item	Quantity	Rate	Unit	Amount	DSR 12	
	<p>The rates shall be inclusive of necessary foundation (minimum 600 x 600 x 600 mm) with anchor bolts etc complete. Supply of hot dipped galvanized (in single dip to average 70 micron) octagonal pole made of 4mm thick steel plate having base plate 240x240x16mm window and flush cover with locking arrangement at suitable height from base for cable termination block pole suitable reinforced with welded steel section at window cut section to make the strength of pole unaffected, including temple and anchor plate 240x240x3mm with 4 nos 700mm long 20mm dia foundation bolts (EN8 grade), 8 metre high, minimum dia 162 mm at bottom and 75mm at top.</p> <p>Supply and fixing following street light pole bracket on existing pole made out of 50mm dia MS 'B' class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffener of size 150x50 x 5mm thick, making arrangement for lighting the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. Single Over Hang 1.50 metre Long as required.</p> <p>Supply, Installation, Testing and Commissioning of Solar panel of street light with capacity 200Wp, solar cells polycrystalline silicon cells, make of cell q cell/ bosch, solar cell efficiency min 14%, junction box IP65, IEC 61215, mounting frame powder coated. Battery and Battery box : capacity 12V,200Ah @ C10, type Lead-acide tubular battery of Low maintenance. Permitted depth of discharge 75%, Battery Backup 30hours Mounting position Bottom Battery box material & protection Pre-coated galvanized sheet of >1 mm thickness, Battery box protection powder coating of 60micron thickness, Mfg.Exide,HBL,AMCO. Charge controller: type MPPT (micro processor based), Rating 12V,7.5A, Efficiency 94%, no load current less than 10mA, enclosure for charger IP65,Charge Controller Make PHILIPS /PHOCOS/SPECCALLED Make From Nischia/Philips/CREE,Similar to Philips BRP403.</p>	31	Nos	96,071.00	Each	29,78,201.00	MR



Sl.No.	Description of item	Quantity	Rate	Unit	Amount	DSR 12
3	<p>Supply, installation, testing and commissioning of 8 mtr above ground Octagonal pole, double arm poles for mounting of 45W LED fixture at 8 mtr height and 25W LED fixture mounted at 3 mtr level with help of Arm.</p> <p>The rates shall be inclusive of necessary foundation (minimum 600 x 600 x 600 mm) with anchor bolts etc complete. Supply of hot dipped galvanized (in single dip to average 70 micron) octagonal pole made of 4mm thick steel plate having base plate 240x240x16mm window and flush cover with locking arrangement at suitable height from base for cable termination block pole suitable reinforced with welded steel section at window cut section to make the strength of pole unaffected, including temple and anchor plate 240x240x3mm with 4 nos 700mm long 20mm dia foundation bolts (EN8 grade), 8 metre high, minimum dia 162 mm at bottom and 75mm at top, Supply and fixing following street light pole bracket on existing pole made out of 50mm</p> <p>dia MS 'B' class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffener of size 150x50 x 5mm thick, making arrangement for lighting the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. Single Over Hang 1.50 metre Long as required. Similar to Philips BRP320 (45W) & BRP020 (25W)</p>	57	30,293.00	Each	17,26,701.00	MR



Sl.No.	Description of item	Quantity	Rate	Unit	Amount	DSR 12
4	<p>Supply, installation, testing and commissioning of 8 mtr above ground Octagonal pole, double arm poles for mounting of 45W LED fixture at 8 mtr height and 21W LED fixture mounted at 3 mtr level with help of Arm. The rates shall be inclusive of necessary foundation (minimum 600 x 600 x 600 mm) with anchor bolts etc complete. Supply of hot dipped galvanized (in single dip to average 70 micron) octagonal pole made of 4mm thick steel plate having base plate 240x240x16mm window and flush cover with locking arrangement at suitable height from base for cable termination block pole suitable reinforced with welded steel section at window cut section to make the strength of pole unaffected, including temple and anchor plate 240x240x3mm with 4 nos 700mm long 20mm dia foundation bolts (EN8 grade), 8 metre high, minimum dia 162 mm at bottom and 75mm at top, Supply and fixing following street light pole bracket on existing pole made out of 50mm dia MS 'B' class pipe welded to 300 mm long MS pole canopy of suitable dia at an angle of 102.50 including having MS triangular stiffener of size 150x50 x 5mm thick, making arrangement for lighting the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. Single Over Hang 1.50 metre Long as required. Similar to Philips BRP320 (45W) & BRP 402 21W SOLAR LED</p>					



Sl.No.	Description of item	Quantity	Rate	Unit	Amount	DSR 12
5	Supply, Installation, Testing and Commissioning of Solar panel of street light with capacity 100Wp, solar cells polycrystalline silicon cells, make of cell q cell/ bosch, solar cell efficiency min 14%, junction box IP65, IEC 61215, mounting frame powder coated. Battery and Battery box : capacity 12V,100Ah @ C10, type Lead-acide tubular battery of Low maintenance, Permitted depth of discharge 75%, Battery Backup 30hours Mounting position Bottom Battery box material & protection Pre-coated galvanized sheet of >1 mm thickness, Battery box protection powder coating of 60micron thickness, Mfg.Exide,HBL,AMCO. Charge controller: type MPPT (micro processor based), Rating 12V,7.5A, Efficiency 94%, no load current less than 10mA, enclosure for charger IP65.Charge Controller Make make PHILIPS /PHOCOS/SPECCALED Make From Nischia/Philips/CREE.Similar to Philips BRP402 21W SOLAR.	18 Nos	1,00,153.00	Each	18,02,754.00	MR
	Supply, installation, testing and commissioning of 8 mtr above ground Octagonal pole, double arm poles for mounting of 45W LED fixture at 8 mtr height with help of Arm. The rates shall be inclusive of necessary foundation (minimum 600 x 600 mm) with anchor bolts etc complete. Supply of hot dipped galvanized (in single dip to average 70 micron) octagonal pole made of 4mm thick steel plate having base plate 240x240x16mm window and flush cover with locking arrangement at suitable height from base for cable termination block pole suitable reinforced with welded steel section at window cut section to make the strength of pole unaffected, including temple and anchor plate 240x240x3mm with 4 nos 700mm long 20mm dia foundation bolts (EN8 grade),8 metre high, minimum dia 162 mm at bottom and 75mm at top,Supply and fixing following street light pole bracket on existing pole made					



S.L.No.	Description of item	Quantity	Rate	Unit	Amount	DSR 12
	out of 50mm dia MS 'B' class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffener of size 150x50 x 5mm thick, making arrangement for lighting the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. Single Over Hang 1.50 metre Long as required. Simalir to Philips BRP320 Greenline	3	36,550.00	Each	1,09,650.00	MR
SH:- VIII Total Rs.					8407790.00	



B&WC/2013: 2.05	Reporting Items 1) Works taken up at the Institute level since B&WC/2012/2nd meeting held on June 30, 2012: A list of minor works executed/under execution for which AA/ES was accorded by the Director, is annexed as <u>Annexure B&WC/2013/2/A-3</u>
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Annexure
B&WC/2013/2/A-3

(Page No. 43 to 44)

17.	P/f False ceiling and PVC Flooring in Workshop Annexi	82,089.00
18.	C/o Machine room (G+1) with M.S. Stair and foundation for installation of BSNL Mobile Tower	8,68,727.00
19.	SITC of 2nos. water purifier at Hall-4 and Hall-1	5,83,000.00
20.	Providing and Fixing Chequered Plate at Sub Station for Cable trench	82,626.00
21.	Extension of DG foundation and Exhaust Structure at Service Block & Removing and refixing of delevelled Paver block near core lab	3,68,803.00
22.	Supply of feeder panel for LHTC, Electricity Power Supply and Miscellaneous Works	3,55,136.00
23.	Electrification from UPS to server room (First Floor)	82,037.00
24.	Supply of Luminaries & accessories for Basket Ball Court & Tennis Court	84,395.00
25.	Supply of Luminaries & accessories for temporary Badminton Court (Indoor)	76,750.00
26.	Supply of Cable for Electrical Charging for Hall-4	87,684.00
27.	Electrical Maintenance work at Hall -1	99,836.00
28.	Supply of 01 Nos. Submersible pump for Hall-1	30,000.00
29.	Supply of 04 nos. Water Geyser for hall-4	22,400.00

B&WC/2013: 2.05	Reporting Items 2) Arbitration Case for Previous Electrical Works. M/s Bhardwaj Brothers has made request for appointment of Arbitrator for additional claims (denied by the Institute) against two numbers of Electrical Works executed by it for Core Lab Complex building and Hall of Residence-1. Accordingly, Shri SR Pandey, ADG(Retd), CPWD New Delhi has been appointed as Sole Arbitrator by the Director of the Institute.
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B&WC/2013: 2.06	Any other Item with the permission of the Chairperson.
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(R. P. Dwivedi)

Officer-In-Charge Estate

Deputy Registrar (F&A)

Secretary, B&WC

RECEIVED BY: [Name] DATE: [Date]

[Handwritten Signature]

Office of [Name]
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