



## ABV-Indian Institute of Information Technology & Management Gwalior

### *Minutes of the 52nd (06/2024) meeting of Building and Works Committee held on 26<sup>th</sup> December, 2024 at ABV-IIITM Gwalior*

The 52<sup>nd</sup> (06/2024) Building and Works Committee meeting was held on 26<sup>th</sup> December 2024 at 11.30 AM in Board Room, ABV-IIITM Gwalior.

The following were present during the meeting:

- |   |                   |
|---|-------------------|
| • Prof. Sri Niwas Singh, Director, ABV-IIITMG | Chairperson, BWC, |
| • Er Rajiv Garg, Ex-SE, IIT Kanpur            | Member (Online)   |
| • Prof. Manish Goyal, IIT Indore              | Member (Online)   |
| • Er. Anil Kumar Jain, Ex CPWD                | Member (Online)   |
| • Prof. Sanjeev Singh, SPA Bhopal             | Member            |
| • Prof. Gyan Prakash, DoPD, ABV-IIITMG        | Member            |
| • Mr. Panka Kumar Gupta, Registrar I/c        | Secretary         |

Mr. Arpit Gupta, Assistant Engineer (AE) from CPWD, was also present during the meeting as special invitee.



The item wise minutes of the meeting are as follows.

<b>Item 52.0</b>	<b>Opening remarks by the Chairman BWC</b>
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The Chairman, BWC updated the various activities of the institute in the meeting. He informed the committee about the progress of on-going construction activities of the campus since the last physical meeting of BWC held on 1<sup>st</sup> May 2024. The various on-going projects are being monitored and new projects to cater for the increase in the students and staff/faculty members are being planned. These will be in the agenda points. He also informed that the terms of several BWC members are going to be completed and the same will be reported to the BoG for new nominations.

<b>Item 52.1</b>	<b>Confirmation of minutes of 51<sup>st</sup> (05/2024) BWC meeting held on 31.08.2024</b>
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Minutes of the meeting of 51<sup>st</sup> (05/2024) were circulated to the members and no comments were received. The BWC confirmed the minutes of 51<sup>st</sup> (05/2024) BWC meeting held on 31/08/2024.

<b>Item 52.2</b>	<b>Action Taken Report of 51<sup>st</sup> (06/2024) BWC Meeting</b>
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The BWC noted the Action Taken Report (ATR) on agenda items of 51<sup>st</sup> BWC (05/2024) meetings of the BWC.

<b>Item 52.3</b>	<b>To note the progress of construction projects in the campus</b>
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The details of the progress of ongoing projects in the institute is as below:

**(a) Construction of boundary wall:**

The work of the boundary wall is completed, and final settlement of the payments are under progress.

**(b) Construction of 500-seBeds (G+3-272 rooms) Boys Hostel:**

The work is going on and the physical progress is about 35% and financial progress 32%.

The BWC approved the change of gauge of doors from 16 gauge to 12 gauge. The BWC also approved use of Kota stones in interior floor of rooms and recommended use of 25mm thick Kota stones. Further, these Kota stones need to be used with granite polished. The CPWD informed that the 2 sample rooms will be ready by 10<sup>th</sup> January 2025.

**(c) Construction of Mini Health Center:**

The construction work is in progress and the physical progress is about 50% and financial progress 40%. The attending AE of CPWD informed that the construction of the Mini Health Center will be over by 31.03.2024.

**(d) Construction of Under Pass between Pocket A & Pocket B:**

The BWC noted the progress and instructed CPWD to expedite the work and complete it as per timeline without any further delay.

<b>Item 52.4</b>	<b>Matters for reporting to Building and Works Committee (BWC) and approval to utilize savings from tender cost for fixation of additional Chairs in convention Center along-with Seat Plan</b>
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The BWC noted the Minutes of 3<sup>rd</sup> meeting of the Project Monitoring Group (PMG) held on 06.11.2024.

The BWC approved the additional chairs (over and above 500 chairs for which the tender was floated) which can be installed within the sanctioned amount as proposed and as per the seating plan within the sanctioned amount of project of Rs. 86,55, 898

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<b>Item 52.5</b>	<b>To consider and approve the Estimate for Laying of Potable water Pipelines in Pocket-A and Pocket-B of the Campus for carrying water from Municipal Corporation main water line to Campus.</b>
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Estimate of Water Requirement at ABV IITM Gwalior

SN	Pocket A	Pocket B
<b>Present (Current to next 3 years)</b>		
1	Current population: 1500	Current population 500
2	Floating population: 500	Floating population: 500
3	Total population: 2000	Total population: 1000
4	Avg water per person = 135 litres/day	Avg water per person= 135 litres/day
5	Total consumption= 270000 litres/day	Total consumption = 135000 litres/day

<b>Future (next 3 plus years to 10 years)</b>		
1	Future population (next 10 years): 3500	Current population (next ten years): 1000
2	Floating population: 500	Floating population: 500
3	Total population: 4000	Total population: 1500
4	Avg water per person = 135 litres/day	Avg water per person= 135 litres/day
5	Total consumption= 540000 litres/day	Total consumption = 202500 litres/day

The CPWD has provided a preliminary estimate of Rs. 6,05,01,200/- (Civil plus Electrical) including 3% contingencies for providing and laying distribution water networking for carrying water from Gwalior Municipal Corporation main water line in Pocket A and Pocket B of ABV IITM Gwalior campus as given in Annexure-1 (pages 1-5).

The BWC approves the preliminary estimate for the said work as provided by CPWD.

<b>Item 52.6</b>	<b>To consider and approve the Estimate for construction of Sewage Treatment Plant (STP) in Pocket-A and Pocket-B of the Campus</b>
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Estimated Requirement for Sewage Treatment Plant (STP)

SN	Pocket A	Pocket B
<b>Present (Current to next 3 years)</b>		
1	Current population: 1500	Current population 500
2	Floating population: 500	Floating population: 500
3	Total population: 2000	Total population: 1000
4	Avg water per person = 135 litres/day	Avg water per person= 135 litres/day
5	Total consumption= 270000 litres/day	Total consumption = 135000 litres/day
6	Wastewater 80% of above= 216000 litres/day	Wastewater 80% of above= 108000 litres/day
7	<b>Current need: Two plants of 100 KLD each</b>	<b>Current need: One plant of 100 KLD</b>
<b>Future (Next 3 plus years to 10 years)</b>		
1	Future population (next 10 years): 3500	Current population (next ten years): 1000
2	Floating population: 500	Floating population: 500
3	Total population: 4000	Total population: 1500
4	Avg water per person = 135 litres/day	Avg water per person= 135 litres/day
5	Total consumption= 540000 litres/day	Total consumption = 202500 litres/day
6	Wastewater 80% of above= 432000 litres/day	Wastewater 80% of above= 162000 litres/day
7	<b>Future need: Four plants of 100 KLD each</b>	<b>Future need: Two plants of 100 KLD each</b>




8	Thus, in addition of existing two plants of 100 KLD each two more plants of 100 KLD each will be needed.	Thus, in addition of existing one plant of 100 KLD one more plant of 100 KLD will be needed.
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The BWC in principle agreed with the proposal placed and suggested to take the preliminary estimate from the CPWD for construction of Sewage Treatment Plant (STP) in Pocket-A and Pocket-B of the ABV IITM Gwalior Campus and put up in the next BWC meeting for discussion and approval.

<b>Item 52.7</b>	<b>To Consider and approve the proposal for repair of Swimming pool</b>
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The swimming pool in the sports complex has extensive damage and league in floor. The water cleaning system in the swimming pool is based on old technology. The use of the current swimming pool is not safe for use. Therefore, it is proposed to repair and upgrade the swimming pool based on current technology.

The BWC in principle agreed to the proposal placed in the meeting and suggested to take the proposal from CPWD for the repair of the swimming pool including hiring a consultant for providing complete technical solution based on current principles and technologies. They should also provide the estimated cost of the same.

<b>Item 52.8</b>	<b>Proposal for construction of an additional wing as an extension of Girls Hostel</b>
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It is suggested to CPWD that new structure may be designed in a modular fashion so that one module may be completed to provide space for an anticipated increase in girl numbers in the immediate future. Another module (remaining L shape) may be completed in due course of time as per future need. CPWD is requested modify existing drawing and provide the detailed estimates along with the structural drawings at the earliest for girls' hostel extension. Preliminary Estimate amounting to **Rs.13,17,60,200/-** (calculation as per DPR 2023) including 3% contingencies & EPF+ESIC @3.9375%.

The BWC in principle agreed with the proposal placed in the meeting and suggested to write to the government agencies like Ministry of Social Justice and Empowerment (MoSJE) for possible funding for the girls' hostel. An additional amount, if required, or entire amount in case of no outside fund support for girls' hostel then institute IRG may be utilized for construction of the proposed hostel.

<b>Item 52.9</b>	<b>Proposal for Construction of another new boys' hostel of around 500 (dual occupancy rooms) capacity</b>
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As per the initial masterplan six boys' hostels and 10 academic blocks were proposed. Over a period three boys' hostels, one girls' hostel, two lecture hall complexes, library, convention centre

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and six academic blocks have been constructed. One boys' hostel of 500 bed capacity with HEFA funds is under construction. There is a need for capacity increase in student enrollment which requires the creation of more hostel capacity. Therefore, it is proposed to build another hostel of 500 capacity (dual occupancy basis) having around 250 rooms and associated support facilities like dining area, guest rooms, few commercial facility related rooms etc. This hotel will be similar to the currently under construction HEFA funded Boys' hostel with a 500. Preliminary Estimate amounting to **Rs.55,01,98, 000/-** including 3% contingencies & EPF+ESIC @3.9375% (calculation as per DPR 2023) has been received from CPWD. HEFA Loan for this project will be applied after approval from the BWC, FC & BoG.

The BWC in principle agreed to the proposal placed in the meeting. HEFA loan has to be taken for construction of the proposed hostel.

<b>Item 52.10</b>	<b>To Consider and approve the Master Plan of ABV IITM Gwalior</b>
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The master plan of the institute is very old, and many new buildings are built. It needs to revise the master plan as institute is more than 25 years old. A revised master plan of the Institute based on as built structure of facilities is developed by a consultant. Various future buildings and other facilities are planned in the available space considering connectivity and ease of use as prime considerations. A revised master plan of the Institute based on as built structure of buildings & other facilities has been developed. Various future buildings and other facilities are planned in the available space considering connectivity and ease of use as prime considerations.

The BWC discussed the master plan and gave various suggestions which have been incorporated and given in Annexure 2. Updated copy of the master plan may be put up to the BoG for final approval.

<b>Item 52.11</b>	<b>To consider the report of the Committee and approve the Estimated cost for the Repair of Various Buildings of ABV IITM Gwalior</b>
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A five-member expert committee was constituted for a survey of the existing buildings and to provide suggestions for repairs in various blocks in the campus. The CPWD gave the estimate of Rs 2,94,82,006/- for the upgradation of ground floor of LT-1 & 2 and admin building in first stage.

The BWC approved the proposal placed in the meeting for repairs of the building in the institute.

*[Handwritten signatures]*

<b>Item 52.12</b>	<b>To Consider the proposal for Procurement of Two (2) new Generator Set</b>
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Institute proposes to purchase Diesel Generator (DG) Set System to replace existing 550 kVA and 125 kVA Diesel Generator Sets which are around 25-year-old. Work of the new 760 kVA DG set involves supplying, installation, testing and commissioning of silent type DG sets, AMF panel, bus ducting/ cables from DG sets to essential panel, synchronizing panel where required, DG set enclosure room sound insulation/ventilation/smoke exhaust as required, earthing of DG set 11,560 per kVA system, control cabling, fuel tank/piping, DG set exhaust piping/ exhaust chimney as per CPCB norms, civil works connected with DG sets including foundation as required.

The expected expenditure is estimated around **Rs. 99,11,008.00** as provided by the CPWD.

The BWC approved the proposal for purchase of two units of DG sets in the range of 320 kVA to 360 kVA in buyback mode through CPWD.

<b>Item 52.13</b>	<b>Any other Item with Permission of Chair</b>
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(a) Update on the Arbitration cases of the institute:

The BWC noted the updates of the Arbitration cases of the institute.

<b>Item 52.14</b>	<b>Date of Next Meeting</b>
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The next meeting of the BWC may be held tentatively in Feb/March 2025.

*The meeting ended with thanks to the Chair:*

  
DoPD

  
Registrar

  
Chairperson BWC

GOVERNMENT OF INDIA  
OFFICE OF  
THE EXECUTIVE ENGINEER,  
CENTRAL PUBLIC WORKS DEPARTMENT,  
35-CITY CENTER, GWALIOR, (M.P.) 474002, Ph.No.0751-2340446  
E-Mail ID-eegcd\_cpwd911@yahoo.in, Fax No.0751-2235087

Annexure-1

State :- M.P. Division :- GCD Branch:- B&R  
Sub-Division :- GCSD, Gwalior

Estimate No:- /PE/EE/GCD for 2024-25

Name of work :- Providing and laying distribution water networking system for carrying water from Municipal corporation main water line to Pocket-A & B campus of ABV-IIITM, Gwalior (MP)

Major Head	Minor Head	Detailed Head
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Estimate framed by:- Er. Rajesh Kumar Garg, Executive Engineer, CPWD, Gwalior of the Probable cost of **Rs.6,05,01,200/- (Civil + Electrical)** including 3% contingencies.

**REPORT**

**HISTORY:** - Preliminary estimate amounting to **Rs.6,05,01,200/- (Civil + Electrical)** including 3% contingencies has been framed to cover the probable cost of above mentioned work for accord of A/A & E/S from the competent authority. Requisition for this work has been received from the client department of vide letter 52<sup>nd</sup> BWC meeting held on 26-12-2024 at ABV-IIITM, Gwalior. Hence, this estimate has been prepared.

**DESIGN & SCOPE** The following provisions have been made in this estimate:

1. Provision for providing and laying water distribution system for drinking water supply from Nagar Nigam to Pocket-A & B campus of ABV-IIITM, Gwalior.
2. Providing and laying 150mm dia Ductile iron pipes for main line along the periphery of campus for supplying to distribution lines.
3. Providing and laying 80mm dia G.I. pipes as distribution lines alongwith 50mm dia G.I. pipes as connecting lines for the various building in the campus.
4. Provision of all necessary fittings and fixtures required for proper functioning of networking system is included in the PAR rates.
5. Provision of 2 Nos. 250 KLD Underground sump in Pocket-A and 1 No. 200 KLD underground sump in Pocket-B for collecting Municipal corporation water for supply in IIITM campus as per the requirements mentioned by IIITM authorities in BWC meetings.
6. Provision of R.C.C. trenches at road junctions and any other place based on requirement at site.
7. Provision of SITC of electric driven water supply pump of 75 HP.
8. Provision of SITC of water supply pump panel & Electrical LT cable.

**Specification:-** The work shall be carried out as per CPWD specification 2023 Vol - I to II with upto date correction slips.

**RATE :-** As per PAR-2023 and Cost Index -1.0% and Anticipated increased in the cost of work (3%+1.5%) = 4.50% New Delhi L.No. 68/SE/(TAS)/Cost Index /20/456-H dt.24-11-20.

**Cost :-** **Rs.6,05,01,200/- (Civil + Electrical)** including 3% contingencies.

**Land :-** Available

**Method :-** By contract after call of tenders.

**T & P :-** No special T&P are required all ordinary T&P shall be arranged by the contractor.

**W.C Estt :-** Shall be met out from 3% contingencies

**Time :-** Six (06) Months after award of work.

सहायक अभियन्ता(यो)  
के० लो० नि० विभाग ग्वालियर  
PE Water supply line ABV-IIITM Gwalior 28.12.2024 D23

कार्यपालक अभियन्ता  
के० लो० नि० विभाग ग्वालियर

# Abstract of Cost-Preliminary Estimate

Annexure-1

state M.P.  
Branch CIVIL

Division GWALIOR CENTR

Name of Work : Providing and laying distribution water networking system for carrying water from Municipal corporation main water line to Pocket-A & B campus of ABV-IITM, Gwalior (MP)

Sub-Division

ITEM No	CODE	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs)
1	4	WATER TANKS (RCC ONLY)				
1.1	4.5	Underground sump	700000	23.00	litre	1,61,00,000.00 SR
		Sub-Total				1,61,00,000.00
2	5	DEVELOPMENT OF SITE				
2.1	5.4	Filtered water supply				
2.1.1	5.4.1	Distribution lines 100mm dia.	3360	1,930.00	metre	64,84,800.00 SR
2.1.2	5.4.2	Peripheral grid 150mm to 300mm dia pipes	6110	4,100.00	metre	2,50,51,000.00 SR
2.2	5.7	Trenchs for services	100	7,280.00	meter	7,28,000.00 SR
		Sub-Total				3,22,63,800.00
3	6	SPECIALISED E&M WORKS				
3.1	6.500	SITC of electric driven water supply pump of 75 HP.	9	5,00,000.00	Per set	45,00,000.00 MF
3.2	6.501	SITC of water supply pump panel.	3	3,00,000.00	Per set	9,00,000.00 MF
3.3	6.502	Supplying and laying of electrical LT cable.	1	8,00,000.00	LS	8,00,000.00 MF
		Sub-Total				62,00,000.00
		Total				5,45,63,800.00
		Less Cost Index @1% on SR&DR Total				4,83,63,800.00
		Total				5,40,80,162.00
		Add Anticipated increased in the cost of work (3%+1.50%) = 4.50% New Deihi L.No. 68/SE/(TAS)/Cost Index /20/456-H dt.24-11-20. @4.5% on 5,40,80,162.00				24,33,607.00
		Total				5,65,13,769.00
		Add EPF+ESIC @3.9375% on 5,65,13,769.00				22,25,230.00
		Add Contingencies @3% on 5,87,38,999.00				17,62,170.00
		Grand Total				6,05,01,169.00
		Say				6,05,01,200.00

(Rupees Six Crores Five Lakh One Thousand Two Hundred only)


Junior Engineer

Assistant Engineer(P)  
CPWD, GWALIOR

Executive Engineer  
CPWD, GWALIOR

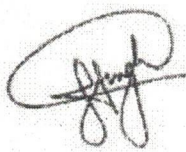


Name of Work:- Providing and laying distribution water networking system for carrying water from Municipal corporation main water line to Pocket-A & B campus of ABV-IIITM, Gwalior (MP)							
PAR-23	Description of Items	No.	No.	L	B	D/H	Quantity
2.1	Filtered water supply						
2.1.2	Peripheral grid 150mm to 300mm dia pipes						
	<b>Pocket -A</b>						
	Line along Bio-diversity park, PHE Room, mini health centre	1	1	368.00	-	-	368.00
	Line along Girls hostel, Res. Qtr-12	1	1	304.00	-	-	304.00
	Line along garden	1	1	167.00	-	-	167.00
	Line along MDP Centre	1	1	120.00	-	-	120.00
	Line along Director Residence to Res. Qtr - 12	1	1	226.00	-	-	226.00
	Line along Residential Quarter	1	3	84.00	-	-	252.00
	Line along sports complex and Visitors hostel	1	1	320.00	-	-	320.00
	Line along play ground to aravali hostel	1	1	485.00	-	-	485.00
	Line along nilgiri hostel to proposed hostel	1	1	220.00	-	-	220.00
	Line Between proposed hostel 1	1	1	214.00	-	-	214.00
	Line Between proposed hostel 2	1	1	200.00	-	-	200.00
	Line along main gate from MDP Centre to coffee shop	1	1	557.00	-	-	557.00
	Line along nilgiri hostel to BH-4	1	1	255.00	-	-	255.00
	Line along proposed academic to convention centre	1	1	300.00	-	-	300.00
		1	1	230.00	-	-	230.00
	Line to LRC	1	1	42.00	-	-	42.00
	Line to C,D & G Block	1	1	78.00	-	-	78.00
	Line to A,E & F	1	1	97.00	-	-	97.00
						<b>Total A</b>	<b>4435.00</b>
	<b>Pocket -B</b>						
	Line along Visitors hostel to post office	1	1	218.00	-	-	218.00
	Line along Visitors hostel	1	1	78.00	-	-	78.00
	Line along proposed flowered to water tank side	1	1	159.00	-	-	159.00
	Line along water tank to children park	1	1	350.00	-	-	350.00
	Line along Res. Qtr - 1 to 6	1	1	113.00	-	-	113.00
	Line along proposed flowered	1	1	159.00	-	-	159.00
	Line along chinar building to res. Qtr - 01	1	1	165.00	-	-	165.00
		1	1	100.00	-	-	100.00
		1	1	92.00	-	-	92.00
		1	1	66.00	-	-	66.00
		1	1	42.00	-	-	42.00
	Line along res. Qtr - 1 to 4	1	1	112.00	-	-	112.00
						<b>Total B</b>	<b>1654.00</b>
						<b>Total (A+B)</b>	<b>6089.00</b>
						Say	<b>6090.00</b>
							<b>Metre</b>
2.1	Filtered water supply						
2.1.1	Distribution lines 100mm dia.						
	<b>Pocket -A</b>						
	Line along MDP Centre	1	1	53.00	-	-	53.00
		1	1	44.00	-	-	44.00
	Line along Director Residence	1	2	28.00	-	-	56.00
		1	2	30.00	-	-	60.00

  
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Line along Residential Quarter 23-27	1	1	46.00	-	-	46.00
Line along Residential Quarter 14-19	1	1	84.00	-	-	84.00
	1	2	46.00	-	-	92.00
Line along Residential Quarter 12-13	1	1	84.00	-	-	84.00
	1	1	46.00	-	-	46.00
Line along Residential Quarter 28-29	1	1	84.00	-	-	84.00
Line along Girls Hostel	1	2	42.00	-	-	84.00
Line along Extension Girls Hostel	1	1	90.00	-	-	90.00
Line along Mini Health centre	1	1	40.00	-	-	40.00
Line along Visitors hostel	1	1	35.00	-	-	35.00
Line along Sports complex	1	1	85.00	-	-	85.00
	1	1	80.00	-	-	80.00
Line to LRC	1	1	35.00	-	-	35.00
	1	1	33.00	-	-	33.00
Line along conventional centre	1	1	60.00	-	-	60.00
Line along cafeteria shop	1	1	46.00	-	-	46.00
Line to C,D & G Block	1	1	58.00	-	-	58.00
	1	1	113.00	-	-	113.00
	1	2	30.00	-	-	60.00
Line to A,E & F	1	1	113.00	-	-	113.00
	1	2	30.00	-	-	60.00
Line along Admin building	1	1	50.00	-	-	50.00
	1	1	125.00	-	-	125.00
Line along Proposed academic	1	1	50.00	-	-	50.00
	1	1	33.00	-	-	33.00
Line along Proposed girls hostel	1	1	33.00	-	-	33.00
	1	1	75.00	-	-	75.00
Line along Proposed Boys hostel	1	2	33.00	-	-	66.00
	1	2	75.00	-	-	150.00
Line along Nilgiri Boys hostel	1	1	58.00	-	-	58.00
Line along Boys hostel - 04	1	1	60.00	-	-	60.00
	1	1	60.00	-	-	60.00
Line along Aravali Boys hostel	1	1	108.00	-	-	108.00
Line along Shivalik Boys hostel	1	1	110.00	-	-	110.00
					Total A	2619.00
<b>Pocket -B</b>						
Line along post office	1	1	50.00	-	-	50.00
Line along Visitors hostel	1	1	50.00	-	-	50.00
Line along satpura building	1	1	50.00	-	-	50.00
Line along proposed flowered	1	1	100.00	-	-	100.00
Line along chinar building	1	1	60.00	-	-	60.00
Line along gulmohar building	1	1	80.00	-	-	80.00
Line along Res. Qtr - 1 to 6	1	3	35.00	-	-	105.00
Line along res. Qtr - 1 to 4	1	4	35.00	-	-	140.00
Line along Proposed faculty house	1	1	100.00	-	-	100.00
					Total B	735.00
					Total (A+B)	3354.00
					Say	3360.00
					Metre	

  
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TAE

	Trenchs for services						
	Lump Sum	1	1	100.00	-	-	100.00
					Total		100.00
					Say		100.00
							Metre
	<b>WATER TANKS (RCC ONLY)</b>						
1	Underground sump						700000.00
1.1	Lump Sum	1	1	700000.00	-	-	700000.00
					Total		700000.00
					Say		700000.00
							Litre

  
 कनिष्ठ अभियन्ता  
 ग्वालियर केन्द्रीय उपमंडल  
 के० लो० नि० विभाग ग्वालियर

  
 सहायक अभियन्ता  
 ग्वालियर केन्द्रीय उपमंडल  
 के० लो० नि० विभाग ग्वालियर

