

बिहार सरकार
भवन निर्माण विभाग।

प्रेषक,

ई0 सुरेश प्रसाद प्रभाकर,
अभियंता प्रमुख—सह—अपर आयुक्त—सह—विशेष सचिव।

सेवा में,

सचिव,
विज्ञान प्रावैधिकी एवं तकनीकी शिक्षा विभाग,
बिहार, पटना।

पटना, दिनांक—.....2025

विषय:— राजकीय अभियंत्रण महाविद्यालय, सहरसा परिसर के अंदर अतिरिक्त बालक छात्रावास (G+5) (300 Bedded) एवं बालिका छात्रावास (G+5) (300 Bedded) के निर्माण हेतु तकनीकी अनुमोदित प्राक्कलन पर प्रशासनिक स्वीकृति प्रदान किये जाने के संबंध में।

प्रसंग:— मुख्य वास्तुविद्, भवन निर्माण विभाग, बिहार, पटना का पत्रांक:— 193/वास्तु0 अनु0 दिनांक:— 28.03.2025

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के आलोक में प्रस्तावित निर्माण कार्य का मुख्य वास्तुविद्, भवन निर्माण विभाग, पटना द्वारा प्राप्त अनुमोदित स्थल प्लान, वास्तुविदीय नक्शा एवं CPWD-Plinth Area Rate -2023 के आधार पर स्थूल प्राक्कलन का गठन किया गया है, जो निम्नवत् है:—

SL. No.	Name of Work	Estimated Cost (In Rs.)
1.	ESTIMATE FOR CONSTRUCTION OF ADDITIONAL 300 BEDDED BOY'S HOSTEL (G+5) & 300 BEDDED GIRL'S HOSTEL (G+5) AT-IN THE CAMPUS OF GOVERNMENT ENGINEERING COLLEGE AT- SAHARSA.	Rs. 4301.23 Lakh

उक्त गठित प्राक्कलन पर सक्षम प्राधिकार द्वारा तकनीकी अनुमोदन प्रदान कर दिया गया है। तकनीकी अनुमोदित प्राक्कलन की प्रति मूल में समर्पित करते हुए अनुरोध है कि प्राक्कलन पर प्रशासनिक स्वीकृति संबंधित अग्रेतर कार्रवाई करने की कृपा की जाय।

अनु0:— यथोक्त।

विश्वासभाजन

ह0/—

(ई0 सुरेश प्रसाद प्रभाकर)

अभियंता प्रमुख—सह—अपर आयुक्त—सह—विशेष सचिव।

ज्ञापांक:—.....

पटना, दिनांक—.....2025

प्रतिलिपि:—मुख्य अभियंता (उत्तर)/अधीक्षण अभियंता, भवन अंचल, सहरसा/कार्यपालक अभियंता, भवन प्रमंडल, सहरसा/निदेशक अनुश्रवण, भवन निर्माण विभाग, बिहार, पटना को सूचनार्थ प्रेषित। (प्राक्कलन की प्रति वेबसाइट <https://state.bihar.gov.in/bcd/CitizenHome.html> पर उपलब्ध है)

ह0/—

(ई0 सुरेश प्रसाद प्रभाकर)

अभियंता प्रमुख—सह—अपर आयुक्त—सह—विशेष सचिव।

ज्ञापांक:-.....

पटना, दिनांक-.....2025

प्रतिलिपि:- मुख्य वास्तुविद, भवन निर्माण विभाग, बिहार, पटना को प्राक्कलन की एक प्रति के साथ सूचनार्थ एवं अग्रतत्तर कार्रवाई हेतु प्रेषित।

अनु०:- यथोक्त।

ह०/-

(ई० सुरेश प्रसाद प्रभाकर)

अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव।

पटना, दिनांक-.....2025

ज्ञापांक:-.....

प्रतिलिपि:- विद्युत मुख्य अभियंता, भवन निर्माण विभाग, बिहार, पटना को प्राक्कलन की प्रति के साथ सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

अनु०:- प्राक्कलन की प्रति।

ह०/-

(ई० सुरेश प्रसाद प्रभाकर)

अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव।

पटना, दिनांक-.....2025

ज्ञापांक:-.....

प्रतिलिपि:- प्राक्कलन पदाधिकारी, अग्रिम योजना अंचल, भवन निर्माण विभाग, पटना को प्राक्कलन की प्रति के साथ सूचनार्थ प्रेषित।

अनु०:- प्राक्कलन की प्रति।

ह०/-

(ई० सुरेश प्रसाद प्रभाकर)

अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव।

पटना, दिनांक-.....2025

ज्ञापांक:-.....

प्रतिलिपि:- कार्यपालक अभियंता, अग्रिम योजना प्रमंडल संख्या:-1, भवन निर्माण विभाग, पटना को प्राक्कलन की प्रति के साथ सूचनार्थ प्रेषित।

अनु०:- प्राक्कलन की प्रति।

ह०/-

(ई० सुरेश प्रसाद प्रभाकर)

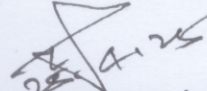
अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव।

पटना, दिनांक-.....28/4/2025

ज्ञापांक:-.....

प्रतिलिपि:- आई०टी० मैनेजर, भवन निर्माण विभाग, बिहार, पटना को विभागीय वेबसाइट पर अपलोड करने हेतु निदेश दिया जाता है कि प्राक्कलन की प्रति को अपलोड करना सुनिश्चित करे।

अनु०:- प्राक्कलन की प्रति।



(ई० सुरेश प्रसाद प्रभाकर)

अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव।



TECHNICAL REPORT

- (i) Name of Scheme/Project:- ESTIMATE FOR CONSTRUCTION OF ADDITIONAL 300 BEDDED BOY'S .
HOSTEL (G+5) & 300 BEDDED GIRL'S HOSTEL (G+5) AT-IN THE
CAMPUS OF GOVERNMENT ENGINEERING COLLEGE AT- SAHARSA
- (ii) Project Cost:- Rs. 4301.23 Lakh
- (iii) Reference of Authority:- मुख्य वास्तुविद, भवन निर्माण विभाग, बिहार, पटना का पत्रांक:- 193/वास्तु0
(अनु0) दिनांक:- 28.03.2025
- (iv) Reference of Approval of Map :- Site Plan Approved by Director SC. Technology & Technical Education
Department Vide Letter No. - 1422 Dt- 25.03.2025 & Signed by Chief
Architect, BCD, Patna Dtd.: -28.03.2025
- (v) **Description :**

(a) This Estimate Includes:-

S. No.	Building Name	Total Built up Area	Total Built up Area	Building Cost	Building PAR
		Sqm	Sft	Rs.	/Sft
1	300 BEDDED BOY'S HOSTEL (G+5)	Ground Floor :- 917.94 First Floor :- 824.63 2nd Floor :- 808.27 3rd Floor :- 793.68 4th Floor :- 793.68 5th Floor :- 793.68 Total Area :- 4931.88	53067.00	168279208	3171
2	300 BEDDED GIRL'S HOSTEL (G+5)	Ground Floor :- 1077.44 First Floor :- 974.52 2nd Floor :- 1008.45 3rd Floor :- 1008.45 4th Floor :- 1008.45 5th Floor :- 554.45 Total Area :- 5631.77	60597.74	192521704	3177

Note:- Cost of Development of Site, Boundary Wall, Horticulure Works & Approach Road etc. are not Included in above table.

(b) **No. of Mandays to be**

created (Approx) :- 20% of Total Amount/816.50

$430122716 \times 20\% / 816.50 = 105358$ Nos.

- (c) Boundary wall :- Yes
- (d) Furniture & Furnishing:- Yes
- (e) 10% Extra shall be added, if approval is granted after 6 months.
- (f) After 12 months estimate shall be revised.
- (g) Rates are followed in framing Estimate :- CPWD Plinth Area Rates of 2023.

[Signature]
8.4.25 08.4.2025

J.E.

Adv. Planning Div.-1
BCD, Patna

[Signature]
08/04/2025
A.E. (Upgraded)

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BCD, Patna

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08.4.25
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Adv. Planning Div.-1
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11/04/25
E.O.

Adv. Planning Circle
BCD, Patna

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T.A.

Adv. Planning Circle
BCD, Patna

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16.4.25
S.E.

Adv. Planning Circle
BCD, Patna

ESTIMATE FOR CONSTRUCTION OF ADDITIONAL 300 BEDDED BOY'S HOSTEL (G+5) & 300 BEDDED GIRL'S HOSTEL (G+5) AT-IN THE CAMPUS OF GOVERNMENT ENGINEERING COLLEGE AT- SAHARSA.

ABSTRACT OF COST

SI.No.	Name Of Work	Cost In Rs.
1		18,72,19,933
A	300 BEDDED BOY'S HOSTEL (G+5)	21,55,38,025
B	300 BEDDED GIRL'S HOSTEL (G+5)	(I) 40,27,57,958
2	CONTINGENCY	1,00,000
	@ 1.0 % upto Rs.100 Lac	19,63,790
	@ 0.5 % Above Rs.100 Lac	(II) 20,63,790
3	Furniture/ Furnishing	
	@ 10% of Building cost (a) of:-	
	Boy's Hostel (G+5) 11,81,23,393 10%	1,18,12,339
	Girl's Hostel (G+5) 13,48,86,284 10%	1,34,88,628
		(III) 2,53,00,968
		Total(I+II+III) 43,01,22,716

Say Rs. 4,301.23 Lakh

NOTES :-

- 1 Estimate is based on Site Plan Approved by Director SC. Technology & Technical Education Department Vide Letter No. - 1422 Dt- 25.03.2025 & Signed by Chief Architect, BCD, Patna Dtd.: -28.03.2025
- 2 Rates are based on the CPWD Plinth Area Rates 2023
- 3 10% Extra shall be added, if approval is granted after 6 months.
- 4 After 12 months estimate shall be revised.
- 5 SI. No. 3 is Approved by Competent Authority.

[Signature]
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BCD, Patna

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S.E.
Adv. Planning Circle
BCD, Patna

Technically approved for Rs. 4301.23 lakh (Rupees Four thousand three hundred one lakh and twenty three thousand) only.

[Signature] 16.4.25
Chief Engineer (Design)
Building Construction Department
Bihar, Patna

**ESTIMATE FOR CONSTRUCTION OF ADDITIONAL 300 BEDDED BOY'S
HOSTEL (G+5) & 300 BEDDED GIRL'S HOSTEL (G+5) AT-IN THE CAMPUS
OF GOVERNMENT ENGINEERING COLLEGE AT- SAHARSA.
ESTIMATE BASED ON CPWD PLINTH AREA RATE 2023**

A. 300 BEDDED BOY'S HOSTEL (G+5)

AREA STATEMENT

Ground Floor	9877.00 sft	or	917.94 sqm
1st Floor	8873.00 sft	or	824.63 sqm
2nd Floor	8697.00 sft	or	808.27 sqm
3rd Floor	8540.00 sft	or	793.68 sqm
4th Floor	8540.00 sft	or	793.68 sqm
5th Floor	8540.00 sft	or	793.68 sqm
Total Area	53067.00 sft	or	4931.88 sqm

<u>Sl. No.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>RATE</u>	<u>AMOUNT</u>
1	1.0 BUILDING COST (Specification as per Anx-I)				
1.1	RCC Framed Structure (upto Six Storeys)				
1.1.2	Floor height 3.00 mt	4,931.88	sqm	@ Rs 23530 /sqm	116047073
1.3.2	Every 0.3 mt. or Part there of, additional height of floor above normal floor height of 3.00 mtr. (on areas having additional) (3.300-3.000)/0.30)x421= 421.00	4,931.88	sqm	@ Rs 421 /sqm	2076320
				Total Rs.	118123393 ..(a)
1.3.3	Every 0.3 meter or part thereof, higher plinth height over normal plinth height of 0.60 metre (on ground floor area only). Proposed Phinth ht.= 0.75 m (0.75-0.60)/0.30)x421= 210.50	917.94	sqm	@ Rs 210.5 /sqm	193226
1.3.6	RCC raft foundation (on ground floor area only)	917.94	sqm	@ Rs 12170 /sqm	11171291
				Total Rs.	129487910 ..(A)
1.5.1	Fire Fighting with Downcomer System	4931.88	Sqm	@ Rs 460 /Sqm	2268664
1.6.1	Manual fire alarm system	4931.88	Sqm	@ Rs 280 /Sqm	1380926
				Total Rs.	3649590 ..(B)
				Total (A+B) Rs.	133137500 ..(C)
2	SERVICES				
2.1	Internal water supply and sanitary Installations @ 8 % of building basic cost (a)	8%			9449871
2.2	External service connection				
2.2.1	Electrical External Service Connection @ 3.75 % of building basic cost (a)	3.75%			4429627
2.2.2	Civil External Service Connection @ 1.25 % of building basic cost (a)	1.25%			1476542
2.3	Internal electric installations @12.5% of building basic cost (a)	12.5%			14765424
2.4.1	Power wiring Plug @ 4% of (a)	4.00%			4724936
2.4.2	Lightning conductors @ 0.25% of (a)	0.25%			295308
				Total Rs.	35141708 ..(D)
				Total (C+D) Rs.	168279208 ..(E)
				(Building+Services) PAR Rs	3171 /sft
3	3.0 Lifts				
3.1.4	Passenger lifts (13 Person)	1.00	Nos.	@ Rs 2155000 /Nos.	2155000
4	4.0 RCC WATER TANK				
4.1	Overhead tank without independent staging	20000.00	ltr.	@ Rs 23 /ltr.	460000
				Total Rs.	2615000 ..(F)

5	5	DEVELOPMENT OF SITE					
	5.1	Levelling					
	5.3	External Sewerage					
	5.4	Filtred water Supply					
	5.4.1	Distribution lines up to 100mm dia					
	5.4.2	Peripheral grid 150mm to 300 mm dia pipes					
	5.4.3	Unfiltred Water supply distribution lines.					
	5.5	Storm water drain.					
	5.6	Rain water Harvesting (RWH)					
	5.7	Trenches for services.					
		@ 7.5% of basic building cost (a)	118123393	7.50%			8859254
	5.2	Internal road & path					
	5.2.3	Cement concrete pavement with vacume dewatered concrete					
		(Approx) 370.00 sqm @ Rs 2320 /sqm					858400
	5.8	Boundry wall with 1500 mm ht from ground level & 600 mm high MS grill including 2100 mm hight steel gates at every 100 mtr.					
	5.8.1	With brick structure and RCC band at ground level and coping.					
		(Approx) 130.00 m @ Rs 10870 /m					1413100
	5.9	Horticulture Work					
	5.9.1	Horticultue operation including 300 mm earth filling, grassing, tree plantation/shrubs and plotted plant etc.					
		(Approx) 3300.00 sqm @ Rs 312 /sqm					1029600
						Total Rs.	12160354 ..(G)
6	6.8	SOLAR PHOTO VOLTAIC POWER GENERATION SYSTEM					
	6.8.1	supplying, installation, testing and commissioning of grid interactive roof top solar photo voltaic power generation system including space frame	24.00	kWp @ Rs 58480 /kWp			1403520
	6.16	LAN SYSTEM					
	6.16.1	supplying, installation, testing and commissioning of LAN system comprising of core switches & 12 switches with 10G, 10 giga SFP modules,	4931.88	sqm @ Rs 560 /sqm			2761851
						Total Rs.	4165371 ..(H)
						Total (E+F+G+H) Rs.	187219933

B. 300 BEDDED GIRL'S HOSTEL (G+5)

AREA STATEMENT

Ground Floor	11593.25 sft	or	1077.44 sqm
1st Floor	10485.84 sft	or	974.52 sqm
2nd Floor	10850.92 sft	or	1008.45 sqm
3rd Floor	10850.92 sft	or	1008.45 sqm
4th Floor	10850.92 sft	or	1008.45 sqm
5th Floor	5965.88 sft	or	554.45 sqm
Total Area	60597.74 sft	or	5631.76 sqm

Sl. No.	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
1	1.0 BUILDING COST (Specification as per Anx-I)				
1.1	RCC Framed Structure (upto Six Storeys)				
1.1.2	Floor height 3.00 mt				
		5,631.76	sqm @ Rs 23530 /sqm		132515313
1.3.2	Every 0.3 mt. or Part there of, additional height of floor above normal floor height of 3.00 mtr. (on areas having additional)				
	(3.300-3.000)/0.30)x421= 421.00	5,631.76	sqm @ Rs 421 /sqm		2370971
				Total Rs.	134886284 ..(a)
1.3.3	Every 0.3 meter or part thereof, higher plinth height over normal plinth height of 0.60 metre (on ground floor area only).				
	Proposed Phinth ht.= 0.75 m				
	(0.75-0.60)/0.30)x421= 210.50	1,077.44	sqm @ Rs 210.5 /sqm		226801
1.3.6	RCC raft foundation (on ground floor area only)	1,077.44	sqm @ Rs 12170 /sqm		13112445
				Total Rs.	148225530 ..(A)
1.5.1	Fire Fighting with Downcomer System				
1.6.1	Manual fire alarm system	5631.76	Sqm @ Rs 460 /Sqm		2590610
		5631.76	Sqm @ Rs 280 /Sqm		1576893
				Total Rs.	4167503 ..(B)

Total (A+B) Rs. 152393033 ..(

SERVICES

2	2.1	Internal water supply and sanitary Installations @ 8 % of building basic cost (a)	8%	10790903
	2.2	External service connection		
	2.2.1	Electrical External Service Connection @ 3.75 % of building basic cost (a)	3.75%	5058236
	2.2.2	Civil External Service Connection @ 1.25 % of building basic cost (a)	1.25%	1686079
	2.3	Internal electric installations @12.5% of building basic cost (a)	12.5%	16860786
	2.4.1	Power wiring Plug @ 4% of (a)	4.00%	5395451
	2.4.2	Lightning conductors @ 0.25% of (a)	0.25%	337216

Total Rs. 40128671 ..(

Total (C+D) Rs. 192521704 ..(

(Building+Services) PAR Rs 3177 /st

3 3.0 Lifts

3.1.4 Passenger lifts (13 Person)

1.00 Nos. @ Rs 2155000 /Nos. 2155000

4 4.0 RCC WATER TANK

4.1 Overhead tank without independent staging

20000.00 ltr. @ Rs 23 /ltr. 460000

Total Rs. 2615000 ..(F

5 5 DEVELOPMENT OF SITE

5.1 Levelling

5.3 External Sewerage

5.4 Filtred water Supply

5.4.1 Distribution lines up to 100mm dia

5.4.2 Peripheral grid 150mm to 300 mm dia pipes

5.4.3 Unfiltred Water supply distribution lines.

5.5 Storm water drain.

5.6 Rain water Harvesting (RWH)

5.7 Trenches for services.

@ 7.5% of basic building cost (a)

134886284

7.50%

10116471

5.2 Internal road & path

5.2.3 Cement concrete pavement with vaccuume dewatered concrete

(Approx) 325.00

sqm

@ Rs

2320

/sqm

754000

5.8 Boundry wall with 1500 mm ht from ground level & 600 mm high MS grill including
2100 mm hight steel gates at every 100 mtr.

5.8.1 With brick structure and RCC band at ground level and coping.

(Approx) 400.00

m

@ Rs

10870

/m

4348000

5.9 Horticulture Work

5.9.1 Horticultue operation including 300 mm earth filling, grassing, tree
plantation/shrubs and plotted plant etc.

(Approx) 3317.00

sqm

@ Rs

312

/sqm

1034904

Total Rs. 16253375 ..(G

6 6.8 SOLAR PHOTO VOLTAIC POWER GENERATION SYSTEM

6.8.1 supplying, installation, testing and commissioning of grid interactive
roof top solar photo voltaic power generation system including space frame

17.00

kWp

@ Rs

58480

/kWp

994160

6.16 LAN SYSTEM

6.16.1 supplying, installation, testing and commissioning of LAN system comprising
of core switches & 12 switches with 10G, 10 giga SFP modules,

5631.76

sqm

@ Rs

560

/sqm

3153786

Total Rs. 4147946 ..(H

Total (E+F+G+H) Rs. 215538025

Signature
8.4.2025 08.4.2025

J.E.
Adv. Planning Div.-1
BCD, Patna

A.E. (Upgraded)
Adv. Planning Div.-1
BCD, Patna

Signature
9.4.25
E.E.
Adv. Planning Div.-1
BCD, Patna