

BIHAR POLICE BUILDING CONSTRUCTION CORPORATION Govt. of Bihar Undertaking Kautilya Nagar, Patna-14+A1:E15B12A1:E19A1:E19A1:E56A1:E63A1:E74			
Name of work-Engineering Procurement and construction of proposed construction of Fire Station cum Training & classroom, Industrial training tower, Rescue Tower Training gallery and Simulation Building for Fire Training Institute at Bihta and other infrastructure including Parade Ground and Fire Hydrant facilities in the state of Bihar on EPC mode			
SCHEDULE OF STAGE PAYMENT			
FOR INTERMITTENT PAYMENTS, PRO-RATA PAYMENT WILL BE RELEASED BASED ON PLINTH AREA			
SR. NO.	Stages of Payment		Breakup of % age of Cost "I"
1	Planning, Detailed Design & Approval from Statutory Bodies On approval of detailed design.		
	1.1	On approval of all Architectural Drawings from local bodies, detailed working drawing and approval from Client and Engineer in Charge.	0.20%
	1.2	On approval of all Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.20%
	1.3	On approval of all MEP Drawings including Proof Checking by third party.	0.10%
	1.4	Making mockup Room, sample Room, and approval of mock up and sample.	0.25%
	1.5	Submission of completion certificate of all drawing just like Architectural, Structural and MEP drawing	0.25%
2	Completion of Foundations including tie beams i.e. Excavation, Backfilling, Compaction, foundation (as per design approved), Tie Beam, Earth/ sand filling under flooring, Retaining wall. (i) Fire Station cum Training & Class Room Building (G+1) for F.T.I. (27.52%)		3.00%
	2.1	Excavation of Foundation	0.25%
	2.2	Completion of Foundation.	1.50%
	2.3	Columns, plinth beams and walls up to plinth level and slab at ground floor level.	1.25%
3	Completion of RCC framed structure up to top of the building.		
	3.1	On Completion of Ground Floor Structure	2.00%
	3.2	On Completion of 1 st Floor Structure	2.00%
	3.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.	2.00%
4	Completion of filler panel and finishing works i.e. masonry work, flooring, plastering, fixing of doors & windows, interior & exterior painting, internal water supply and sanitary installation etc.		
	4.1	Fly ash/ brick masonry work/partition work/glazing	
	4.1.1	On Completion of Ground Floor Structure	0.40%
	4.1.2	On Completion of 1 st Floor Structure	0.40%
	4.1.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.	0.40%
	4.2	Plastering and cement based putty (internal and external)	
	4.2.1	On Completion of Ground Floor Structure	0.40%
	4.2.2	On Completion of 1 st Floor Structure	0.40%
	4.2.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.	0.40%
	4.3	All type of flooring, skirting, dado and window sills, jambs	
	4.3.1	On Completion of Ground Floor Structure	0.40%
	4.3.2	On Completion of 1 st Floor Structure	0.40%
	4.3.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.	0.40%
	4.4	Supplying, fitting and fixing doors, window, glazing etc all complete job	
	4.4.1	On Completion of Ground Floor Structure	0.50%
	4.4.2	On Completion of 1 st Floor Structure	0.50%
	4.4.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.	0.50%
	4.6	Completion of false ceiling, wall paneling and acoustics insulation	
	4.6.1	On Completion of Ground Floor Structure	0.40%

	4.6.2	On Completion of 1 st Floor Structure	1.20%	0.40%
	4.6.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.40%
	4.7	Internal water supply works including fixtures & rain water pipes		
	4.7.1	On Completion of Ground Floor Structure		0.20%
	4.7.2	On Completion of 1 st Floor Structure		0.20%
	4.7.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.	1.60%	0.20%
	4.8	Internal sanitary installation & drainage works including fixtures		0.20%
	4.8.1	On Completion of Ground Floor Structure		0.20%
	4.8.2	On Completion of 1 st Floor Structure		0.20%
	4.8.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.20%
	4.9	Completion of water proofing works		0.20%
	4.10	All miscellaneous works such as stainless-steel railing works and steel works., Jali, plinth protection, ramps, etc;	0.25%	0.25%
	4.11	Internal painting and finishing in all respect.		
	4.11.1	On Completion of Ground Floor Structure		0.13%
	4.11.2	On Completion of 1 st Floor Structure	0.50%	0.13%
	4.11.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.13%
	4.12	External painting and finishing in all respect		0.13%
5	Competition of all Electrical, E&M Services, Pumping work, Internal Roads, Connection of sewer lines and water supply, all type of development like horticulture etc.			
5.1	Panning Detailed Design and approval from statuary bodies on approval of detail Design of Electrical work, E&M Services			
	5.1.1	Approval of all GFC Drawings from local bodies, detailed working drawing and approval from Client and Engineer in Charge.	4.00%	1.00%
5.2	Installatuion and Completion of Electrical work, E&M Services complete work			
	5.2.2	On Arrival and Instaation of Major Equipments such as Fire Fighting, Detection, Fire Control, etc.,		1.00%
	5.2.3	On Arrival of Major Equipments such as AC(VRV/VRF), Switch Socket, internal light fitting Fan, CCTV, LAN,Solar, Cables and wires etc.,		1.00%
	5.2.4	On completion of Testing & Integrated Commissioning of all services and equipments.		1.00%
6	Completion of supplying and installing all furniture's as per full satisfaction of Client Department and including, cleaning of site and removal of defects		0.45%	
	6.1	Drawing of furniture laying, making mockup of furniture and approval of mock up and sample.		0.15%
	6.2	Supplying & installation of Complete Furniture's in good condition & handing over.		0.15%
	6.3	All furniture as per full satisfaction of Client department and including cleaning of site and removal of defects.		0.15%
7	On completion of all WTP, Plumbing work, Internal Roads, connections of water supply, all type of development like horticulture etc.		1.50%	
	7.1	Panning Detailed Design and approval from statuary bodies on approval of detail Design of all Plumbing work, Internal Roads, connections of sewer lines & water supply		0.30%
	7.2	Internal Plumbing		0.30%
	7.2	External Sewerage		0.30%
	7.3	Internal Roads, Boundary Wall, Gate		0.30%
	7.4	RWH, Horticulture and other related work of site development		0.30%
8	Furniture and Furnishing		2.52%	2.52%
9	Completion of all other balance works, testing and commissioning of services lines, cleaning of site and removal of defects		0.40%	0.40%

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Govt. of Bihar Undertaking

Kautilya Nagar, Patna-14+A1:E15B12A1:E19A1:E19A1:E56A1:E63A1:E74

Name of work-Engineering Procurement and construction of proposed construction of Fire Station cum Training & classroom, Industrial training tower, Rescue Tower Training gallery and Simulation Building for Fire Training Institute at Bihta and other infrastructure including Parade Ground and Fire Hydrant facilities in the state of Bihar on EPC mode

SCHEDULE OF STAGE PAYMENT

FOR INTERMITTENT PAYMENTS, PRO-RATA PAYMENT WILL BE RELEASED BASED ON PLINTH AREA

SR. NO.	Stages of Payment		Cumulative % age	Breakup of % age of Cost "I"
1	Planning, Detailed Design & Approval from Statutory Bodies On approval of detailed design.			
	1.1	On approval of all Architectural Drawings from local bodies, detailed working drawing and approval from Client and Engineer in Charge.	0.07%	0.014 %
	1.2	On approval of all Structural Drawings including proof checking by third party and approval from Engineer in Charge.		0.014 %
	1.3	On approval of all MEP Drawings including Proof Checking by third party.		0.014 %
	1.4	Making mockup Room, sample Room, and approval of mock up and sample.		0.014 %
	1.5	Submission of completion certificate of all drawing just like Architectural, Structural and MEP drawing		0.014 %
2	Completion of Foundations including tie beams i.e. Excavation, Backfilling, Compaction, foundation (as per design approved), Tie Beam, Earth/ sand filling under flooring, Retaining wall. (i) Rescue Tower (G+5) for F.T.I. (1.925%)		0.21%	
	2.1	Excavation of Foundation		0.07 %
	2.2	Completion of Foundation.		0.07 %
	2.3	Columns, plinth beams and walls up to plinth level and slab at ground floor level.		0.07 %
3	Completion of RCC framed structure up to top of the building.		0.42%	
	3.1	On Completion of Ground Floor Structure		0.06 %
	3.2	On Completion of 1 st Floor Structure		0.06 %
	3.3	On Completion of 2nd Floor Structure		0.06 %
	3.4	On Completion of 3rd Floor Structure		0.06 %
	3.5	On Completion of 4th Floor Structure		0.06 %
	3.6	On Completion of 5th Floor Structure		0.06 %
	3.7	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.06 %
4	Completion of filler panel and finishing works i.e. masonry work, flooring, plastering, fixing of doors & windows, interior & exterior painting, internal water supply and sanitary installation etc.			
	4.1	Fly ash/ brick masonry work/partition work/glazing	0.084%	
	4.1.1	On Completion of Ground Floor Structure		0.028 %
	4.1.2	On Completion of 1st Floor to 5th Floor Structure		0.028 %
	4.1.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.028 %
	4.2	Plastering and cement based putty (internal and external)	0.084%	
	4.2.1	On Completion of Ground Floor Structure		0.028 %
	4.2.2	On Completion of 1st Floor to 5th Floor Structure		0.028 %
	4.2.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.028 %
	4.3	All type of flooring, skirting, dado and window sills, jambs	0.084%	
	4.3.1	On Completion of Ground Floor Structure		0.028 %
	4.3.2	On Completion of 1st Floor to 5th Floor Structure		0.028 %
	4.3.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.028 %
	4.4	Supplying, fitting and fixing doors, window, glazing etc all complete job	0.105%	
	4.4.1	On Completion of Ground Floor Structure		0.035 %
	4.4.2	On Completion of 1st Floor to 5th Floor Structure		0.035 %
	4.4.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.035 %

	4.6	Completion of false ceiling, wall paneling and acoustics insulation		0.084%	
	4.6.1	On Completion of Ground Floor Structure			0.028 %
	4.6.2	On Completion of 1st Floor to 5th Floor Structure			0.028 %
	4.6.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.			0.028 %
	4.7	Internal water supply works including fixtures & rain water pipes		0.112%	
	4.7.1	On Completion of Ground Floor Structure			0.0187 %
	4.7.2	On Completion of 1st Floor to 5th Floor Structure			0.0187 %
	4.7.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.			0.0187 %
	4.8	Internal sanitary installation & drainage works including fixtures			
	4.8.1	On Completion of Ground Floor Structure			0.0187 %
	4.8.2	On Completion of 1st Floor to 5th Floor Structure			0.0187 %
	4.8.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.			0.0187 %
	4.9	Completion of water proofing works			
	4.10	All miscellaneous works such as stainless-steel railing works and steel works., Jali, plinth protection, ramps, etc;		0.018%	0.018 %
	4.11	Internal painting and finishing in all respect.			
	4.11.1	On Completion of Ground Floor Structure		0.035%	0.0088 %
	4.11.2	On Completion of 1st Floor to 5th Floor Structure			0.0088 %
	4.11.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.			0.0088 %
	4.12	External painting and finishing in all respect			0.0088 %
5	Competition of all Electrical, E&M Services, Pumping work, Internal Roads, Connection of sewer lines and water supply, all type of development like horticulture etc.			0.28%	
5.1	Panning Detailed Design and approval from statuary bodies on approval of detail Design of Electrical work, E&M Services				
	5.1.1	Approval of all GFC Drawings from local bodies, detailed working drawing and approval from Client and Engineer in Charge.			0.07 %
5.2	Installatuion and Completion of Electrical work, E&M Services complete work				
	5.2.2	On Arrival and Instaation of Major Equipments such as Fire Fighting, Detection, Fire Control, etc.,			0.07 %
	5.2.3	On Arrival of Major Equipments such as AC(VRV/VRF), Switch Socket, internal light fitting Fan, CCTV, LAN,Solar, Cables and wires etc.,			0.07 %
	5.2.4	On completion of Testing & Integrated Commissioning of all services and equipments.			0.07 %
6	Completion of supplying and installing all furniture's as per full satisfaction of Client Department and including, cleaning of site and removal of defects			0.0315%	
	6.1	Drawing of furniture laying, making mockup of furniture and approval of mock up and sample.			0.0105 %
	6.2	Supplying & installation of Complete Furniture's in good condition & handing over.			0.0105 %
	6.3	All furniture as per full satisfaction of Client department and including cleaning of site and removal of defects.			0.0105 %
7	On completion of all WTP, Plumbing work, Internal Roads, connections of water supply, all type of development like horticulture etc.			0.084%	
	7.1	Panning Detailed Design and approval from statuary bodies on approval of detail Design of all Plumbing work, Internal Roads, connections of sewer lines & water supply			0.021 %
	7.2	Internal Plumbing			0.021 %
	7.2	External Sewerage			0.021 %
	7.3	Internal Roads, Boundary Wall, Gate			0.021 %
	7.4	RWH, Horticulture and other related work of site development		0.021%	0.021 %
8	8.1	Furniture and Furnishing		0.175%	0.175 %
9	Completion of all other balance works, testing and commissioning of services lines, cleaning of site and removal of defects			0.028%	0.028 %

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1	Planning, Detailed Design & Approval from Statutory Bodies On approval of detailed design.			
	1.1	On approval of all Architectural Drawings from local bodies, detailed working drawing and approval from Client and Engineer in Charge.	0.1056%	0.0211 %
	1.2	On approval of all Structural Drawings including proof checking by third party and approval from Engineer in Charge.		0.0211 %
	1.3	On approval of all MEP Drawings including Proof Checking by third party.		0.0211 %
	1.4	Making mockup Room, sample Room, and approval of mock up and sample.		0.0211 %
	1.5	Submission of completion certificate of all drawing just like Architectural, Structural and MEP drawing		0.0211 %
2	Completion of Foundations including tie beams i.e. Excavation, Backfilling, Compaction, foundation (as per design approved), Tie Beam, Earth/ sand filling under flooring, Retaining wall. (i) Industrial Treaining Tower Building (G+2) (2.904%)		0.3168%	
	2.1	Excavation of Foundation		0.1056 %
	2.2	Completion of Foundation.		0.1056 %
	2.3	Columns, plinth beams and walls up to plinth level and slab at ground floor level.		0.1056 %
3	Completion of RCC framed structure up to top of the building.		0.6336%	
	3.1	On Completion of Ground Floor Structure		0.1584 %
	3.2	On Completion of 1 st Floor Structure		0.1584 %
	3.3	On Completion of 2nd Floor Structure		0.1584 %
	3.4	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.1584 %
4	Completion of filler panel and finishing works i.e. masonry work, flooring, plastering, fixing of doors & windows, interior & exterior painting, internal water supply and sanitary installation etc.			
	4.1	Fly ash/ brick masonry work/partition work/glazing	0.1267%	
	4.1.1	On Completion of Ground Floor Structure		0.0317 %
	4.1.2	On Completion of 1st Floor to 2nd Floor Structure		0.0634 %
	4.1.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.0317 %
	4.2	Plastering and cement based putty (internal and external)	0.1267%	
	4.2.1	On Completion of Ground Floor Structure		0.0317 %
	4.2.2	On Completion of 1st Floor to 2nd Floor Structure		0.0634 %
	4.2.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.0317 %
	4.3	All type of flooring, skirting, dado and window sills, jambs	0.1267%	
	4.3.1	On Completion of Ground Floor Structure		0.0317 %
	4.3.2	On Completion of 1st Floor to 2nd Floor Structure		0.0634 %
	4.3.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.0317 %
	4.4	Supplying, fitting and fixing doors, window, glazing etc all complete job	0.1584%	
	4.4.1	On Completion of Ground Floor Structure		0.0396 %
	4.4.2	On Completion of 1st Floor to 2nd Floor Structure		0.0792 %
	4.4.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.0396 %
	4.6	Completion of false ceiling, wall paneling and acoustics insulation	0.1267%	
	4.6.1	On Completion of Ground Floor Structure		0.0317 %

	4.6.2	On Completion of 1st Floor to 2nd Floor Structure	0.1207%	0.0634 %
	4.6.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.0317 %
	4.7	Internal water supply works including fixtures & rain water pipes		
	4.7.1	On Completion of Ground Floor Structure		0.0211 %
	4.7.2	On Completion of 1st Floor to 2nd Floor Structure		0.0422 %
	4.7.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.0211 %
	4.8	Internal sanitary installation & drainage works including fixtures	0.1690%	
	4.8.1	On Completion of Ground Floor Structure		0.0211 %
	4.8.2	On Completion of 1st Floor to 2nd Floor Structure		0.0422 %
	4.8.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.0211 %
	4.9	Completion of water proofing works		
	4.10	All miscellaneous works such as stainless-steel railing works and steel works., Jali, plinth protection, ramps, etc;	0.0264%	0.0264 %
	4.11	Internal painting and finishing in all respect.		
	4.11.1	On Completion of Ground Floor Structure		0.0106 %
	4.11.2	On Completion of 1st Floor to 2nd Floor Structure		0.0211 %
	4.11.3	On completion of Terrace Tank, mumty, Machine room,parapet etc.	0.0528%	0.0106 %
	4.12	External painting and finishing in all respect		0.0106 %
5	Competition of all Electrical, E&M Services, Pumping work, Internal Roads, Connection of sewer lines and water supply, all type of development like horticulture etc.			
5.1	Panning Detailed Design and approval from statuary bodies on approval of detail Design of Electrical work, E&M Services			
	5.1.1	Approval of all GFC Drawings from local bodies, detailed working drawing and approval from Client and Engineer in Charge.		0.1056 %
5.2	Installatuion and Completion of Electrical work, E&M Services complete work		0.42%	
	5.2.2	On Arrival and Instaation of Major Equipments such as Fire Fighting, Detection, Fire Control, etc.,		0.1056 %
	5.2.3	On Arrival of Major Equipments such as AC(VRV/VRF), Switch Socket, internal light fitting Fan, CCTV, LAN,Solar, Cables and wires etc.,		0.1056 %
	5.2.4	On completion of Testing & Integrated Commissioning of all services and equipments.		0.1056 %
6	Completion of supplying and installing all furniture's as per full satisfaction of Client Department and including, cleaning of site and removal of defects			
	6.1	Drawing of furniture laying, making mockup of furniture and approval of mock up and sample.	0.0475%	0.0158 %
	6.2	Supplying & installation of Complete Furniture's in good condition & handing over.		0.0158 %
	6.3	All furniture as per full satisfaction of Client department and including cleaning of site and removal of defects.		0.0158 %
7	On completion of all WTP, Plumbing work, Internal Roads, connections of water supply, all type of development like horticulture etc.			
	7.1	Panning Detailed Design and approval from statuary bodies on approval of detail Design of all Plumbing work, Internal Roads, connections of sewer lines & water supply	0.127%	0.0317 %
	7.2	Internal Plumbing		0.0317 %
	7.2	External Sewerage		0.0317 %
	7.3	Internal Roads, Boundary Wall, Gate		0.0317 %
	7.4	RWH, Horticulture and other related work of site development	0.032%	0.032 %
8	8.1	Furniture and Furnishing	0.264%	0.264 %
9	Completion of all other balance works, testing and commissioning of services lines, cleaning of site and removal of defects		0.042%	0.042 %

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SR. NO.	Stages of Payment		Cumulative % age	Breakup of % age of Cost "I"
1	Planning, Detailed Design & Approval from Statutory Bodies On approval of detailed design.			
	1.1	On approval of all Architectural Drawings from local bodies, detailed working drawing and approval from Client and Engineer in Charge.	0.1448%	0.029 %
	1.2	On approval of all Structural Drawings including proof checking by third party and approval from Engineer in Charge.		0.029 %
	1.3	On approval of all MEP Drawings including Proof Checking by third party.		0.029 %
	1.4	Making mockup Room, sample Room, and approval of mock up and sample.		0.029 %
	1.5	Submission of completion certificate of all drawing just like Architectural, Structural and MEP drawing		0.029 %
2	Completion of Foundations including tie beams i.e. Excavation, Backfilling, Compaction, foundation (as per design approved), Tie Beam, Earth/ sand filling under flooring, Retaining wall. (i) Change Room & Visitor Gallery in Parade Ground for F.T.I (3.982%)		0.4344%	
	2.1	Excavation of Foundation		0.1448 %
	2.2	Completion of Foundation.		0.1448 %
	2.3	Columns, plinth beams and walls up to plinth level and slab at ground floor level.		0.1448 %
3	Completion of RCC framed structure up to top of the building.		0.8688%	
	3.1	On Completion of Ground Floor Structure		0.4344 %
	3.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.4344 %
4	Completion of filler panel and finishing works i.e. masonry work, flooring, plastering, fixing of doors & windows, interior & exterior painting, internal water supply and sanitary installation etc.			
	4.1	Fly ash/ brick masonry work/partition work/glazing	0.174%	
	4.1.1	On Completion of Ground Floor Structure		0.0869 %
	4.1.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.0869 %
	4.2	Plastering and cement based putty (internal and external)	0.174%	
	4.2.1	On Completion of Ground Floor Structure		0.0869 %
	4.2.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.0869 %
	4.3	All type of flooring, skirting, dado and window sills, jambs	0.174%	
	4.3.1	On Completion of Ground Floor Structure		0.0869 %
	4.3.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.0869 %
	4.4	Supplying, fitting and fixing doors, window, glazing etc all complete job	0.217%	
	4.4.1	On Completion of Ground Floor Structure		0.1086 %
	4.4.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.1086 %
	4.6	Completion of false ceiling, wall paneling and acoustics insulation	0.174%	
	4.6.1	On Completion of Ground Floor Structure		0.0869 %
	4.6.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.0869 %
	4.7	Internal water supply works including fixtures & rain water pipes		
	4.7.1	On Completion of Ground Floor Structure		0.0579 %
	4.7.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.0579 %

	4.8	Internal sanitary installation & drainage works including fixtures		0.232%	
	4.8.1	On Completion of Ground Floor Structure			0.0579 %
	4.8.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.			0.0579 %
	4.9	Completion of water proofing works		0.036%	
	4.10	All miscellaneous works such as stainless-steel railing works and steel works., Jali, plinth protection, ramps, etc;			0.036 %
	4.11	Internal painting and finishing in all respect.			
	4.11.1	On Completion of Ground Floor Structure		0.072%	0.0241 %
	4.11.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.			0.0241 %
	4.12	External painting and finishing in all respect			0.0241 %
5	Competition of all Eelectrical, E&M Services, Pumping work, Internal Roads, Connection of sewer lines and water supply, all type of development like horticulture etc.			0.58%	
5.1	Panning Detailed Design and approval from statutory bodies on approval of detail Design of Electrical work, E&M Services				
	5.1.1	Approval of all GFC Drawings from local bodies, detailed working drawing and approval from Client and Engineer in Charge.			0.1448 %
5.2	Installatuion and Completion of Electrical work, E&M Services complete work				
	5.2.2	On Arrival and Instaation of Major Equipments such as Fire Fighting, Detection, Fire Control, etc.,			0.1448 %
	5.2.3	On Arrival of Major Equipments such as AC(VRV/VRF), Switch Socket, internal light fitting Fan, CCTV, LAN,Solar, Cables and wires etc.,			0.1448 %
	5.2.5	On completion of Testing & Integrated Commissioning of all services and equipments.			0.1448 %
6	Completion of supplying and installing all furniture's as per full satisfaction of Client Department and including, cleaning of site and removal of defects			0.0652%	
	6.1	Drawing of furniture laying, making mockup of furniture and approval of mock up and sample.			0.0217 %
	6.2	Supplying & installation of Complete Furniture's in good condition & handing over.			0.0217 %
	6.3	All furniture as per full satisfaction of Client department and including cleaning of site and removal of defects.			0.0217 %
7	On completion of all WTP, Plumbing work, Internal Roads, connections of water supply, all type of development like horticulture etc.			0.174%	
	7.1	Panning Detailed Design and approval from statutory bodies on approval of detail Design of all Plumbing work, Internal Roads, connections of sewer lines & water supply			0.0434 %
	7.2	Internal Plumbing			0.0434 %
	7.2	External Sewerage			0.0434 %
	7.3	Internal Roads, Boundary Wall, Gate			0.0434 %
	7.4	RWH, Horticulture and other related work of site development		0.043%	0.0434 %
8	8.1	Furniture and Furnishing		0.362%	0.362 %
9	Completion of all other balance works, testing and commissioning of services lines, cleaning of site and removal of defects			0.058%	0.0579 %

BIHAR POLICE BUILDING CONSTRUCTION CORPORATION

Govt. of Bihar Undertaking

Kautilya Nagar, Patna-14+A1:E15B12A1:E19A1:E19A1:E56A1:E63A1:E74

Name of work-Engineering Procurement and construction of proposed construction of Fire Station cum Training & classroom, Industrial training tower, Rescue Tower Training gallery and Simulation Building for Fire Training Institute at Bihta and other infrastructure including Parade Ground and Fire Hydrant facilities in the state of Bihar on EPC mode

SCHEDULE OF STAGE PAYMENT

FOR INTERMITTENT PAYMENTS, PRO-RATA PAYMENT WILL BE RELEASED BASED ON PLINTH AREA

SR. NO.	Stages of Payment		Cumulative % age	Breakup of % age of Cost "I"
1	Planning, Detailed Design & Approval from Statutory Bodies On approval of detailed design.			
	1.1	On approval of all Architectural Drawings from local bodies, detailed working drawing and approval from Client and Engineer in Charge.	0.2416%	0.0483 %
	1.2	On approval of all Structural Drawings including proof checking by third party and approval from Engineer in Charge.		0.0483 %
	1.3	On approval of all MEP Drawings including Proof Checking by third party.		0.0483 %
	1.4	Making mockup Room, sample Room, and approval of mock up and sample.		0.0483 %
	1.5	Submission of completion certificate of all drawing just like Architectural, Structural and MEP drawing		0.0483 %
2	Completion of Foundations including tie beams i.e. Excavation, Backfilling, Compaction, foundation (as per design approved), Tie Beam, Earth/ sand filling under flooring, Retaining wall. (i) B.A Training Gallery and Breathing Apparatus Training Gallery (As Per the Briet specification) in Parade Ground for F.T.I. (6.644%)		0.7248%	
	2.1	Excavation of Foundation		0.2416 %
	2.2	Completion of Foundation.		0.2416 %
	2.3	Columns, plinth beams and walls up to plinth level and slab at ground floor level.		0.2416 %
3	Completion of RCC framed structure up to top of the building.		1.4496%	
	3.1	On Completion of Ground Floor Structure		0.3624 %
	3.2	On Completion of 1 st Floor Structure		0.3624 %
	3.3	On Completion of 2nd Floor Structure		0.3624 %
	3.4	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.3624 %
4	Completion of filler panel and finishing works i.e. masonry work, flooring, plastering, fixing of doors & windows, interior & exterior painting, internal water supply and sanitary installation etc.			
	4.1	Fly ash/ brick masonry work/partition work/glazing	0.2899%	
	4.1.1	On Completion of Ground Floor Structure		0.145 %
	4.1.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.145 %
	4.2	Plastering and cement bassed putty (internal and external)	0.2899%	
	4.2.1	On Completion of Ground Floor Structure		0.145 %
	4.2.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.145 %
	4.3	All type of flooring, skirting, dado and window sills, jambs	0.2899%	
	4.3.1	On Completion of Ground Floor Structure		0.145 %
	4.3.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.145 %
	4.4	Supplying, fitting and fixing doors, window, glazing etc all complete job	0.3624%	
	4.4.1	On Completion of Ground Floor Structure		0.1812 %
	4.4.2	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.1812 %
	4.6	Completion of false ceiling, wall paneling and acoustics insulation	0.2899%	
	4.6.1	On Completion of Ground Floor Structure		0.145 %

	4.6.2	On completion of Terrace Tank, mumty, Machine room, parapet etc.		0.145 %
	4.7	Internal water supply works including fixtures & rain water pipes		
	4.7.1	On Completion of Ground Floor Structure		0.0966 %
	4.7.2	On completion of Terrace Tank, mumty, Machine room, parapet etc.		0.0966 %
	4.8	Internal sanitary installation & drainage works including fixtures	0.3866%	
	4.8.1	On Completion of Ground Floor Structure		0.0966 %
	4.8.2	On completion of Terrace Tank, mumty, Machine room, parapet etc.		0.0966 %
	4.9	Completion of water proofing works		
	4.10	All miscellaneous works such as stainless-steel railing works and steel works., Jali, plinth protection, ramps, etc;	0.0604%	0.0604 %
	4.11	Internal painting and finishing in all respect.		
	4.11.1	On Completion of Ground Floor Structure		0.0403 %
	4.11.2	On completion of Terrace Tank, mumty, Machine room, parapet etc.	0.1208%	0.0403 %
	4.12	External painting and finishing in all respect		0.0403 %
5	Competition of all Electrical, E&M Services, Pumping work, Internal Roads, Connection of sewer lines and water supply, all type of development like horticulture etc.			
5.1	Panning Detailed Design and approval from statutory bodies on approval of detail Design of Electrical work, E&M Services			
	5.1.1	Approval of all GFC Drawings from local bodies, detailed working drawing and approval from Client and Engineer in Charge.	0.97%	0.2416 %
5.2	Installatuion and Completion of Electrical work, E&M Services complete work			
	5.2.2	On Arrival and Instaation of Major Equipments such as Fire Fighting, Detection, Fire Control, etc.,		0.2416 %
	5.2.3	On Arrival of Major Equipments such as AC(VRV/VRF), Switch Socket, internal light fitting Fan, CCTV, LAN, Solar, Cables and wires etc.,		0.2416 %
	5.2.4	On completion of Testing & Integrated Commissioning of all services and equipments.		0.2416 %
6	Completion of supplying and installing all furniture's as per full satisfaction of Client Department and including, cleaning of site and removal of defects			
	6.1	Drawing of furniture laying, making mockup of furniture and approval of mock up and sample.	0.1087%	0.0362 %
	6.2	Supplying & installation of Complete Furniture's in good condition & handing over.		0.0362 %
	6.3	All furniture as per full satisfaction of Client department and including cleaning of site and removal of defects.		0.0362 %
7	On completion of all WTP, Plumbing work, Internal Roads, connections of water supply, all type of development like horticulture etc.			
	7.1	Panning Detailed Design and approval from statutory bodies on approval of detail Design of all Plumbing work, Internal Roads, connections of sewer lines & water supply	0.290%	0.0725 %
	7.2	InternaL Plumbing		0.0725 %
	7.2	External Sewerage		0.0725 %
	7.3	Internal Roads, Boundary Wall, Gate		0.0725 %
	7.4	RWH, Horticulture and other related work of site development	0.072%	0.0725 %
8	8.1	Furniture and Furnishing	0.604%	0.604 %
9	Completion of all other balance works, testing and commissioning of services lines, cleaning of site and removal of defects		0.097%	0.0966 %

BIHAR POLICE BUILDING CONSTRUCTION CORPORATION

Govt. of Bihar Undertaking

Kautilya Nagar, Patna-14+A1:E15B12A1:E19A1:E19A1:E56A1:E63A1:E74

Name of work-Engineering Procurement and construction of proposed construction of Fire Station cum Training & classroom, Industrial training tower, Rescue Tower Training gallery and Simulation Building for Fire Training Institute at Bihta and other infrastructure including Parade Ground and Fire Hydrant facilities in the state of Bihar on EPC mode

SCHEDULE OF STAGE PAYMENT

FOR INTERMITTENT PAYMENTS, PRO-RATA PAYMENT WILL BE RELEASED BASED ON PLINTH AREA

SR. NO.	Stages of Payment		Cumulative % age	Breakup of % age of Cost "I"
1	Planning, Detailed Design & Approval from Statutory Bodies On approval of detailed design.			
	1.1	On approval of all Architectural Drawings from local bodies, detailed working drawing and approval from Client and Engineer in Charge.	0.7684%	0.1537 %
	1.2	On approval of all Structural Drawings including proof checking by third party and approval from Engineer in Charge.		0.1537 %
	1.3	On approval of all MEP Drawings including Proof Checking by third party.		0.1537 %
	1.4	Making mockup Room, sample Room, and approval of mock up and sample.		0.1537 %
	1.5	Submission of completion certificate of all drawing just like Architectural, Structural and MEP drawing		0.1537 %
2	Completion of Foundations including tie beams i.e. Excavation, Backfilling, Compaction, foundation (as per design approved), Tie Beam, Earth/ sand filling under flooring, Retaining wall. (i) Simulation Building (G+3) (21.131%)		2.3052%	
	2.1	Excavation of Foundation		0.7684 %
	2.2	Completion of Foundation.		0.7684 %
	2.3	Columns, plinth beams and walls up to plinth level and slab at ground floor level.		0.7684 %
3	Completion of RCC framed structure up to top of the building.		4.6104%	
	3.1	On Completion of Ground Floor Structure		0.9221 %
	3.2	On Completion of 1 st Floor Structure		0.9221 %
	3.3	On Completion of 2nd Floor Structure		0.9221 %
	3.4	On Completion of 3rd Floor Structure		0.9221 %
	3.5	On completion of Terrace Tank, mumty, Machine room, parapet etc.		0.9221 %
4	Completion of filler panel and finishing works i.e. masonry work, flooring, plastering, fixing of doors & windows, interior & exterior painting, internal water supply and sanitary installation etc.			
	4.1	Fly ash/ brick masonry work/partition work/glazing	0.9221%	
	4.1.1	On Completion of Ground Floor Structure		0.1844 %
	4.1.2	On Completion of 1st Floor Structure		0.1844 %
	4.1.3	On Completion of 2nd Floor Structure		0.1844 %
	4.1.4	On Completion of 3rd Floor Structure		0.1844 %
	4.1.5	On completion of Terrace Tank, mumty, Machine room, parapet etc.		0.1844 %
	4.2	Plastering and cement based putty (internal and external)	0.9221%	
	4.2.1	On Completion of Ground Floor Structure		0.1844 %
	4.2.2	On Completion of 1st Floor Structure		0.1844 %
	4.2.3	On Completion of 2nd Floor Structure		0.1844 %
	4.2.4	On Completion of 3rd Floor Structure		0.1844 %
	4.2.5	On completion of Terrace Tank, mumty, Machine room, parapet etc.		0.1844 %
	4.3	All type of flooring, skirting, dado and window sills, jambs		
	4.3.1	On Completion of Ground Floor Structure		0.1844 %

	4.3.2	On Completion of 1st Floor Structure	0.9221%	0.1844 %
	4.3.3	On Completion of 2nd Floor Structure		0.1844 %
	4.3.4	On Completion of 3rd Floor Structure		0.1844 %
	4.3.5	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.1844 %
	4.4	Supplying, fitting and fixing doors, window, glazing etc all complete job	1.1526%	
	4.4.1	On Completion of Ground Floor Structure		0.2305 %
	4.4.2	On Completion of 1st Floor Structure		0.2305 %
	4.4.3	On Completion of 2nd Floor Structure		0.2305 %
	4.4.4	On Completion of 3rd Floor Structure		0.2305 %
	4.4.5	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.2305 %
	4.6	Completion of false ceiling, wall paneling and acoustics insulation	0.9221%	
	4.6.1	On Completion of Ground Floor Structure		0.1844 %
	4.6.2	On Completion of 1st Floor Structure		0.1844 %
	4.6.3	On Completion of 2nd Floor Structure		0.1844 %
	4.6.4	On Completion of 3rd Floor Structure		0.1844 %
	4.6.5	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.1844 %
	4.7	Internal water supply works including fixtures & rain water pipes	1.2294%	
	4.7.1	On Completion of Ground Floor Structure		0.1229 %
	4.7.2	On Completion of 1st Floor Structure		0.1229 %
	4.7.3	On Completion of 2nd Floor Structure		0.1229 %
	4.7.4	On Completion of 3rd Floor Structure		0.1229 %
	4.7.5	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.1229 %
	4.8	Internal sanitary installation & drainage works including fixtures		
	4.8.1	On Completion of Ground Floor Structure		0.1229 %
	4.8.2	On Completion of 1st Floor Structure		0.1229 %
	4.8.3	On Completion of 2nd Floor Structure		0.1229 %
	4.8.4	On Completion of 3rd Floor Structure		0.1229 %
	4.8.5	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.1229 %
	4.9	Completion of water proofing works		
	4.10	All miscellaneous works such as stainless-steel railing works and steel works., Jali, plinth protection, ramps, etc;	0.1921%	0.1921 %
	4.11	Internal painting and finishing in all respect.		
	4.11.1	On Completion of Ground Floor Structure	0.3842%	0.064 %
	4.11.2	On Completion of 1st Floor Structure		0.064 %
	4.11.3	On Completion of 2nd Floor Structure		0.064 %
	4.11.4	On Completion of 3rd Floor Structure		0.064 %
	4.11.5	On completion of Terrace Tank, mumty, Machine room,parapet etc.		0.064 %
	4.12	External painting and finishing in all respect		0.064 %
5	Competition of all Eelectrical, E&M Services, Pumping work, Internal Roads, Connection of sewer lines and water supply, all type of development like horticulture etc.		3.07%	
5.1	Panning Detailed Design and approval from statuary bodies on approval of detail Design of Electrical work, E&M Services			
	5.1.1	Approval of all GFC Drawings from local bodies, detailed working drawing and approval from Client and Engineer in Charge.		0.7684 %
5,2	Installatuion and Completion of Electrical work, E&M Services complete work			
	5.2.2	On Arrival and Instaation of Major Equipments such as Fire Fighting, Detection, Fire Control, etc.,		0.7684 %
	5.2.3	On Arrival of Major Equipments such as AC(VRV/VRF), Switch Socket, internal light fitting Fan, CCTV, LAN,Solar, Cables and wires etc.,		0.7684 %

	5.2.5	On completion of Testing & Integrated Commissioning of all services and equipments.		0.7684 %
6	Completion of supplying and installing all furniture's as per full satisfaction of Client Department and including, cleaning of site and removal of defects		0.3458%	
	6.1	Drawing of furniture laying, making mockup of furniture and approval of mock up and sample.		0.1153 %
	6.2	Supplying & installation of Complete Furniture's in good condition & handing over.		0.1153 %
	6.3	All furniture as per full satisfaction of Client department and including cleaning of site and removal of defects.		0.1153 %
7	On completion of all WTP, Plumbing work, Internal Roads, connections of water supply, all type of development like horticulture etc.		0.922%	
	7.1	Panning Detailed Design and approval from statutory bodies on approval of detail Design of all Plumbing work, Internal Roads, connections of sewer lines & water supply		0.2305 %
	7.2	Internal Plumbing		0.2305 %
	7.2	External Sewerage		0.2305 %
	7.3	Internal Roads, Boundary Wall, Gate		0.2305 %
	7.4	RWH, Horticulture and other related work of site development	0.231%	0.2305 %
8	8.1	Furniture and Furnishing	1.921%	1.921 %
9	Completion of all other balance works, testing and commissioning of services lines, cleaning of site and removal of defects		0.307%	0.3074 %

BIHAR POLICE BUILDING CONSTRUCTION CORPORATION Govt. of Bihar Undertaking Kautilya Nagar, Patna-14+A1:E15B12A1:E19A1:E19A1:E56A1:E63A1:E74				
Name of work-Engineering Procurement and construction of proposed construction of Fire Station cum Training & classroom, Industrial training tower, Rescue Tower Training gallery and Simulation Building for Fire Training Institute at Bihta and other infrastructure including Parade Ground and Fire Hydrant facilities in the state of Bihar on EPC mode				
SCHEDULE OF STAGE PAYMENT				
FOR INTERMITTENT PAYMENTS, PRO-RATA PAYMENT WILL BE RELEASED BASED ON PLINTH AREA				
SR. NO.	Stages of Payment		Cumulative % age	Breakup of % age of Cost "I"
1	(i) Supply and Installation of Fire Fighting Simulator (As per Specification) (31.37%)			
	1.1	Supply and Installation of Fire Fighting Simulator (As per the Specification)	15.69%	15.69%
	1.2	After Testing and completion of work	15.68%	15.68%
	(ii) Black Top Parade Ground (As per the Specification) (1.63%)		1.63%	1.63%
	(iii) Other Infrastructure (2.894%)		2.894%	2.894%