

भारतीय प्रौद्योगिकी संस्थान हैदराबाद Indian Institute of Technology Hyderabad

Volume -2 (b) PAYMENT SCHEDULE (Building-wise & Sub-head wise % Break-up/ Annexure to Financial Bid)

Name of the work: Construction of precast 2Nos Faculty Housing Tower (G+12), 3Nos Staff Housing Towers (G+12) and 3Nos Hostel Blocks (G+6) RCC Structures at IIT Hyderabad, Kandi, Sangareddy.

Executive Engineer (Civil)

IIT Hyderabad

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PAYMENT SCHEDULE

All running / intermediate & final payments shall be made to the Contractor in accordance with the following schedule:

- 1. Unless explicitly stated otherwise in the Tender Documents, the payment shall be as per provisions of schedule F and payment shall be as per actual measurements in accordance with the payment schedule on submission of the bill by the contractor.
- 2. The total plinth area of a building shall be sum of plinth areas at every floor including basement, if any.
- 3. The following **shall not be** considered for plinth area calculation for payment (The bidder shall consider this aspect while quoting the rates for buildings):
 - a. The mumty and machine room.
 - b. Internal service shafts/ ducts. However, the shafts/ ducts covered at top shall be measured at one floor level only.
 - c. Lift wells. However, lift wells covered at top shall be measured at one floor level only.
 - d. Lofts
 - e. Pergolas, approach ramps, external staircases and space frames.
 - f. Column projections, slab projections & chajjas beyond wall face.
- 4. For porticos 50% of the plinth area shall be considered for payment.
- 5. 50 % of plinth area of Uncovered/ unprotected balcony/ verandah shall be considered for payment.
- 6. Nothing extra shall be paid for services of various consultants such as architectural, structural, green building, services, proof checking, liaison consultants for obtaining approvals of local bodies etc; and related expenses for consultancy services. The agency shall quote the rates taking this aspect also into consideration.
- 7. Nothing extra shall be paid for testing of various materials, cost of samples, cost of materials used for testing, handling & transportation and related expenditure. The bidder shall quote the rates taking this aspect also into consideration.
- 8. Nothing extra shall be paid for creating mock-up of elements, handling & transportation and related expenditure. The bidder shall quote the rates taking this aspect also into consideration.
- 9. All duties, GST, fees, octroi and other levies, payable by the Contractor for which nothing extra shall be paid. The bidder shall quote the rates taking this aspect also into consideration. Payments made to Government departments for obtaining local body approvals shall be borne by the Institute on submission of proof of remittance.
- 10. Payment shall be made as per the schedule of payment as detailed below:-

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<u>Sub-head A 1: Payment percentage breakup for construction of RCC Precast Hostels (G+6) framed</u> structurer with finishing's: -

(For intermittent payments, Pro-rata payment will be released on percentage basis on achievement of physical work)

S1.		Stage of activity	Breakup of % of Item Contract	% of Item Contract
No.	2		Value	Value
A 1.1	1350	Detailed Design & Approval from third party and approval of the same by the Engineer-In-		1.00%
	A 1.1.1	On approval of All Architectural Drawings by Engineer in Charge and filing application and obtaining approval for Building Occupancy Certificate (OC), fire NOC and any other, mandatory local body approvals as may be required.	0.30%	
ı	A 1.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	A 1.1.3	On approval of All MEP Drawings (except shop drawings) by Engineer in Charge.	0.40%	
A 1.2	Completi beams &	on of Foundation & plinth including grade slab.		22.00%
	A 1.2.1	Excavation in all types of Soil/rocks.	2.00%	
	A 1.2.2	On completion of PCC with Anti-termite Treatment	1.00%	
	A 1.2.3	On completion of Footing/rafts etc.	10.00%	
	A 1.2.4	On completion of back filling, plinth filling, plinth beams etc.	4.00%	
	A 1.2.5	Completion of grade slab (or) floor One	5.00%	
A 1.3		on of basic structure including precast panel treatment of all joints.		47.00%
	A 1.3.1	On Completion up to Floor two level	4.00%	
	A 1.3.2	On Completion up to Floor three level	6.00%	
	A 1.3.3	On Completion up to Floor four level	6.00%	
	A 1.3.4	On Completion up to Floor five level	6.00%	
	A 1.3.5	On Completion up to Floor Six level	6.00%	
	A 1.3.6	On Completion up to Floor Seven level	6.00%	
	A 1.3.7	On Completion up to Terrace/ Eight level	6.00%	

	A 1.3.8	On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings	1.50%	
	A 1.3.9	On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness etc.		
	A 1.3.10	On completion of Cement Board wall panelling including framework to conceal Radiant Cooling Pex Pipes manifold placed over inner walls and to cover Thermal Insulation boards placed over inside of external walls all complete as per directions of EIC.	1.50%	
	Completio	on of finishing works i.e., Toilet		
A 1.4	waterproo	ofing, flooring, fixing of doors & windows, s, interior & exterior painting etc.		28.00%
		All type of Flooring, skirting, dado in all floors etc.		
	A 1.4.1	On completion of flooring in all rooms of the building and dadoing in wet areas as per the approved drawing.	3.00%	
	A 1.4.2	On completion of flooring in all corridors and common areas with skirting.	1.50%	
	A 1.4.3	On completion of waterproofing, flooring and dadoing in toilets.	3.00%	
	A 1.4.4	On completion of staircase mid-ladings, riser and treads including skirting	3.00%	
		Fixing of all types doors & windows with MS Grills and cupboards as per the approved drawing		
	A 1.4.5	On completion of procurement of material	3.00%	
	A 1.4.6	On completion of Installation including Granite sills and jams as per approved drawing.	3.00%	
	A 1.4.7	On completion of hardware and fixtures	1.00%	
		Painting (Internal & External) i/c putty and texture as per the approved drawing		
	A 1.4.8	On completion of internal painting	3.50%	
	A 1.4.9	On completion of external painting	3.50%	
	A 1 4 10	Other work:		
	A 1.4.10	All other works such as false ceiling to the rooms at 6 th floor, SS railings in all staircase area, Balconies & entrance ramp etc. as per	1.50%	

	A 1.4.11	Thermal insulation to all the hostel rooms of	2.00%	
		external walls		
	Submissio	on of completion certificate of the building,		
	all statuto	ry post-construction clearances, licenses and		
A 1.5	as- built	drawing, handing over of buildings and		2.00%
	successful	closing of agreement.		
		Total		100.00%

Sub-head A 2: Payment percentage breakup for Internal water supply and sanitary installation, Civil External Service Connections, External Sewerage, Distribution lines upto 100 mm dia, Unfiltered water supply distribution lines upto 100mm dia, Storm water drains: -

(For intermittent payments, Pro-rata payment will be released per running metre basis on achievement of physical work)

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
A 2.1	Detailed I	Design and approval of the same by the Engineer-In-Charge.		1.00%
A 2.2		pletion of all internal sanitary pipelines installations, oply works and rain water pipes, etc. complete as per the s of EIC.		65.00%
	A 2.2.1	Procurement of all category of pipes, fixtures and fittings	8.00%	
	A 2.2.2	Laying of pipe lines in desired locations as per the approved drawings by EIC.	12.00%	
	A 2.2.3	Testing & Commissioning of Water supply lines	5.00%	
	A 2.2.4	Procurement of sanitary installations for complete building as per the approved make and as approved by EIC	17.00%	
	A 2.2.5	Fixing of sanitary installations in desired locations as per the approved drawings by EIC.	21.00%	
	A 2.2.6	Testing & Commissioning of sanitary installations complete as per the directions of EIC.	2.00%	
A 2.3		nal water supply works and connections complete as per ions of EIC.		9.00%
	A 2.3.1	On supply of pipes etc.	4.50%	
	A 2.3.2	On installation of equipment and laying of pipes, valves, inspection chambers, etc.	2.50%	
	A 2.3.3	On successful testing of equipment after installation	1.00%	
	A 2.3.4	After satisfactory commissioning	1.00%	
A 2.4	External directions	Sewerage system connections complete as per the sof EIC.		7.00%
	A 2.4.1	On supply of pipes etc.	2.50%	
	A 2.4.2	On laying of pipes including manholes, etc.	2.50%	
	A 2.4.3	On successful testing of the network	1.00%	
	A 2.4.4	After satisfactory commissioning	1.00%	

		Total		100.00%
	A 2.7.4	by the Engineer-in-charge.	2.0070	
	1.251	On commissioning Completion Certificate and acceptance	1.00%	
	A 2.7.3	After successful testing	2.00%	
	A 2.7.2	Providing & placing covers including culverts wherever required.	3.50%	
	A 2.7.1	After providing bottom & side walls storm water drains complete	9.00%	
A 2.7	Storm wa	ter drains complete as per the directions of EIC.		15.50%
A 2.6		On completion of Unfiltered water supply distribution lines upto 100mm dia complete as per the directions of EIC.		1.25%
A 2.5	*	On completion of Distribution lines upto 100 mm dia complete as per the directions of EIC.		1.25%

Sub-head A 3: Payment percentage breakup for construction of Underground sump:

(For intermittent payments, Pro-rata payment will be released based on physical progress)

Sl. No.		Milestone		% of Item Contract Value
A 3.1	Detailed D Charge.	esign and approval of the same by the Engineer-In-		1.00%
	A 3.1.1	On approval of All Architectural Drawings by Engineer in Charge.	0.30%	
	A 3.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	A 3.1.3	On approval of All MEP Drawings	0.40%	
A 3.2	Completion proofing tr	of Excavation, bed concrete and bottom water		22.00%
	A 3.2.1	On completion of excavation work in all types of soils/rocks	7.00%	
	A 3.2.2	On completion of bed concrete as per the approved drawings by EIC	7.00%	
	A 3.2.3	On completion of bottom waterproofing treatment as per the approved methodology by EIC	8.00%	
A 3.3	Completion ceramic tile	n of bottom raft, walls, internal waterproofing, e lining.		40.00%
	A 3.3.1	On completion of bottom raft work as per the approved drawing	10.00%	
	A 3.3.2	On completion of walls	10.00%	
	A 3.3.3	On completion of Internal waterproofing	10.00%	
	A 3.3.4	On completion of ceramic tiles etc.,	10.00%	
A 3.4	Completion	n of roof & external water proofing treatment.		20.00%
	A 3.4.1	On completion of roof concreting as per the approved drawings	10.00%	
	A 3.4.2	On completion of external waterproofing treatment as per the approved methodology by EIC	10.00%	
A 3.5	_	n of external finishing works, plumbing and all other works complete		15.00%
	A 3.5.1	On completion of external finishing works as per the approved drawings	7.50%	
	A 3.5.2	On completion of plumbing and all other associated works complete.	7.50%	
A 3.6		n of completion certificate all statutory post- n clearances and as-built drawing, handing over and closing of agreement.		2.00%
		Total		100.00%

Sub-head A 4: Payment percentage breakup for External Development like Levelling, Internal roads with WMM and Cement Concrete pavement with vacuum dewatered concrete, Footpath with PCC base, 60mm thick paver blocks and kerb stone edging on one side:

(For intermittent payments, Pro-rata payment will be released based on physical progress)

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
	Planning	Detailed Design and approval of the same by the		
A 4.1		In-Charge.		1.00%
A 4.2	On completion of Levelling as per the directions of EIC.			6.00%
A 4.3	1	etion of Cement Concrete pavement with vacuum doncrete as per the directions of EIC.		39.50%
	A 4.3.1	On completion of Preparation of sub grade	4.00%	
-	A 4.3.2	On completion of laying of base concrete and kerb	13.50%	
	A 4.3.3	On completion of laying of Dewatered Vacuum Cement Concrete	18.00%	
	A 4.3.4	On completion of providing & filling of grooves, Road marking, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-in- charge.	4.00%	
A 4.4	_	letion of Footpath with PCC base, 60mm thick cks and kerb stone edging on one side as per the		53.50%
	A 4.4.1	On completion of Preparation of sub grade	6.50%	
	A 4.4.2	On completion of laying of PCC Base	17.00%	
	A 4.4.3	On completion of laying of 60mm thick paver block and kerb stone edging on one side	24.00%	
	A 4.4.4	On completion of providing & filling of gaps, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-in- charge.	6.00%	
		Total		100.00%

<u>Sub-head A 5: Payment percentage breakup for Hardscaping, Landscaping and Horticulture works:</u>

(For intermittent payments, Pro-rata payment on achievement of physical work will be released)

SI. No.	Milestone	Breakup of % of Item	% of Item Contract Value	Remarks
A 5.1	Planning, Detailed Design and approval of the same by the Engineer-In-Charge		1.00%	
A 5.2	Landscaping, Hardscaping, and Horticulture Works in complete shape.		75.00%	
A 5.3	For 6 months Maintenance period after completion of building.		20.00%	
A 5.4	Completion Certificate and acceptance by the Engineer-in-charge.	4	4.00%	
	Total		100.00%	

Sl. No.		escription of Sub-Component of Work	Breakup of % of Item Contract Value	% of Item Contract Value		
		nent percentage breakup for Internal Electric on installations, UPS System, Illuminated Sig				
	compound	and Foot Path Lighting etc.				
		Detailed Design, Engineering & Obtaining				
A 6.1		Bodies wherever required and approval of the	ne same by the	1.00%		
		In-Charge.				
A 6.2	Distributio	nstallation, Testing and Commissioning of L7 on Boards, MCCB, RCCB, ELCB, RCBO, MCE	B's etc.,	11.00%		
	A 6.2.1	Supply of L T Panels, SDB	4.00%			
	A 6.2.2	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground floor to 3 rd floor	2.00%			
	A 6.2.3	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 4 th floor to Terrace floor	2.00%			
	A 6.2.4	Installation of LT Panels, SDB	0.50%			
	A 6.2.5	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground Floor to 3 rd Floor	0.25%			
	A 6.2.6	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 4 th Floor to Terrace	0.25%			
	A 6.2.7	Testing and Commissioning of LT Panels, SDB	1.00%			
	A 6.2.8	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground floor to 3 rd floor	0.50%			
	A 6.2.9	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains 4 th floor to 6 th floor	0.50%			
A 6.3	Supply, L	aying, end termination, Testing & commissioning	ng of LT Cables	Γ Cables 15.00%		
	A 6.3.1	Supply of Suitable Size LT Cables	10.00%	•		
	A 6.3.2	Laying & end termination of LT Cables	2.00%			
	A 6.3.3	Testing & commissioning of LT Cables	3.00%			
A 6.4	Supply, In	nstallation, Testing and Commissioning of UPS	System	0.50%		
	A 6.4.1	Supply of UPS System	0.40%			
	A 6.4.2	Installation, Testing and Commissioning of UPS System	0.10%			
A 6.5	A A .	nstallation, testing and commissioning of Indoor of various rating & types including staircase and		15.00%		
	A 6.5.1	Supply of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground floor to 3 rd floor	5.00%			

	A 6.5.2	Supply of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 4 th floor to terrace	5.00%	
	A 6.5.3	Installation, Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground Floor to 3 rd Floor	1.50%	
	A 6.5.4	Installation, Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 4th Floor to Terrace	1.50%	
	A 6.5.5	Testing and Commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground floor to 3 rd floor	1.00%	
	A 6.5.6	Testing and Commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 4 th floor to terrace	1.00%	
6.6		nstallation, testing and commissioning of BLDC		# 000/
	A 6.6.1	ns & BLDC Exhaust fans Supply of BLDC Ceiling Fans and BLDC Exhaust Fans from Ground floor to 3 rd floor	1.50%	5.00%
	A 6.6.2	Supply of BLDC Ceiling Fans and BLDC Exhaust Fans from 4 th floor to 6 th floor	1.50%	
	A 6.6.3	Installation of BLDC Ceiling fan and BLDC Exhaust Fans from Ground Floor to 3 rd Floor	0.50%	
	A 6.6.4	Installation of BLDC Ceiling fan and BLDC Exhaust Fans from 4th Floor to 6 th Floor	0.50%	
	A 6.6.5	Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans from Ground floor to 3 rd floor	0.50%	
	A 6.6.6	Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans from 4 th floor to 6 th floor	0.50%	
6.7	Modular	nd installation, Testing & Commissioning of Mod Plate, Modular Switches, Modular Sockets, Mod cs Regulators, USB Socket, TV Sockets and LAN	ular	20.00%
	A 6.7.1	Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from ground floor to 3 rd floor	6.50%	
	A 6.7.2	Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 4 th floor to terrace	6.50%	
	A 6.7.3	Installation of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground Floor to 3 rd Floor	2.50%%	
	A 6.7.4	Installation of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 4 th to Terrace	2.50%	

		,		
	A 6.7.5	Testing & Commissioning of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from ground floor to 3 rd floor	1.00%	
	A 6.7.6	Testing & Commissioning of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 4 th floor to terrace	1.00%	
A 6.8	Supply &	Drawing Testing and Commissioning of Point V	Viring	10.00%
	A 6.8.1	Supply & Drawing of Point Wiring from Ground Floor to 3 rd Floor	3.50%	
	A 6.8.2	Supply & Drawing of Point Wiring from 4 th Floor to Terrace	3.50%	
	A 6.8.3	Testing and Commissioning of Point Wiring from ground floor to 3 rd floor	1.50%	
	A 6.8.4	Testing and Commissioning of Point Wiring from 4 th floor to terrace	1.50%	
A 6.9	Supply, D wiring	rawing, Testing and Commissioning of all Power	er sockets	10.00%
	A 6.9.1	Supply & Drawing of Power Distribution System from Ground Floor to 3 rd Floor	3.50%	
	A 6.9.2	Supply & Drawing of Power Distribution System from 4 th Floor to Terrace	3.50%	
	A 6.9.3	Testing and Commissioning of Power Distribution System from ground floor to 3 rd floor	1.50%	
1	A 6.9.4	Testing and Commissioning of Power Distribution System from 4 th floor to terrace	1.50%	
A 6.10		stallation, Testing and Commissioning of Streets & Bollard Lights & Illuminated Signage's	Lights & Post	5.00%
	A 6.10.1	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages	3.00%	
	A 6.10.2	Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signages	1.00%	=
	A 6.10.3	Testing and commissioning of Post top Lights & Bollard lights, Street Lights, Illuminated Signages	1.00%	
A 6.11		stallation, testing and connecting the Lightning ong with Earthing system.	Protection	2.50%
A 6.12	Supply, in	stallation, testing and connecting the Earthing sydistribution system	ystem to the	3.50%
A 6.13		oning and Handing over the As-Built Drawings	(soft & Hard	1.50%
				100.00%

A 7.1		Detailed Design, Engineering & Approval fro erever required and approval of the same by		1.00%
A 7.2	Supply of Substation	Installation, Testing and Commissioning of M	1 V Panels at	40.00%
	A 7.2.1	Supply, Augmentation & Installation of M V Panels at Substation	30.00%	
	A 7.2.2	Testing and Commissioning of M V Panels at Substation	10.00%	
A 7.3	Supply, La Cables	lying, end termination, Testing & Commissio	ning of LT	55.00%
	A 7.3.1	Supply of Suitable Size LT Cables	35.00%	
	A 7.3.2	Laying and end termination of LT Cables	10.00%	WITH THE PROPERTY OF THE PROPE
	A 7.3.3	Testing & Commissioning of LT Cables	10.00%	
A 7.4		stallation, testing and connecting the Earthing distribution system	system to the	2.00%
A 7.5	Commission Copies)	oning and Handing over the As-Built Drawing	gs (soft & Hard	2.00%
				100.00%

	ioning of L	ent percentage breakup for Supply, Installifts:	action, 1 coming to	
A 8.1	Planning, l Engineer-I	Detailed Design, Engineering and approval of n-Charge.	the same by the	1.00%
A 8.2		stallation, Testing & Commissioning of 1x 13 Passenger Lift (BED Lift) with Completion of		95.00%
	A 8.2.1	Supply and proper storage of 13 Passengers Lift - 1, Spares, Control panel, etc. at Site	25.00%	
	A 8.2.2	Supply and proper storage of 20 Passengers Lift (BED Lift) - , Spares, Control panel, etc. at Site	35.00%	
	A 8.2.3	Installation of 13 passenger lift	11.00%	
	A 8.2.4	Installation of 20 Passenger Lift	14.00%	
17 17 17 17 17 17 17 17 17 17 17 17 17 1	A 8.2.5	Testing & Commissioning of 13 Passenger Lift-1 & Completion of Third Party Inspection	4.00%	
	A 8.2.6	Testing & Commissioning of 20 Passenger Lift & Completion of Third Party Inspection	6.00%	
A 8.3		ver the 13 passenger Lift in all respects along (soft & Hard Copies)	with As-Built	2.00%
A 8.4		ver the 20 passenger Lift in all respects along (soft & Hard Copies)	with As-Built	2.00%
		r		100.00%

		ment percentage breakup for Fire I rm System, Fire Extinguishers & wat	omatic Fire Ala	
1.00%	BC 2016 Code & d approval of the	Detailed Design, Engineering as per the NE rom Statutory Bodies wherever required an e Engineer-In-Charge.	Planning, l 9.1 Approval f	A 9.1
65.00%	Down comer with	Supply, Installation, Testing and Commissioning of Down comer with Fire Hydrant, Fire Fighting Pumps.		A 9.2
	45.00%	Supply of Down comer pipes, Fire Hydrant, Fire Fighting Pumps etc. as per the Approved Drawings	A 9.2.1	
	10.00%	Installation Down comer with Fire Hydrant and Fire Fighting Pumps etc. as per the Approved Drawings	A 9.2.2	
	10.00%	Testing & Commissioning complete Fire Fighting system including Fire Fighting Pumps, Down comer System and Yard Hydrant etc. as per the Approved Drawings	A 9.2.3	
28.00%	of Automatic	stallation, Testing and Commissioning e Fire Alarm System		A 9.3
	15.00%	Supply of Automatic Fire Alarm Systems and cables as per the Approved Drawings	A 9.3.1	
,	8.00%	Laying of cables and Installation of Automatic Fire alarm system	A 9.3.2	
	5.00%	Testing and Commissioning of Automatic Fire alarm System	A 9.3.3	
1.00%	ated locations as	installation of Fire Extinguishers at design oved Drawing by Engineer-In-Charge		A 9.4
3.00%		tallation, Testing and Commissioning of t g with Starter and Automatic electrical com p at Ground of the Building	9.5 pumps alor	A 9.5
	2.00%	Supply of Water supply pumps along with Starter and Automatic electrical control panel	A 9.5.1	
	1.00%	Installation, Testing and Commissioning of the Water supply pumps along with Starter and Automatic electrical control panel at UG Water Sump at Ground of the Building	A 9.5.2	
2.00%		er the Fire Fighting System, Automatic Fire bing System along with NOC from the Loca rawing (Soft & Hard Copy)	9.6 Water pum	A 9.6
100.00%		9		

Annexure A 10

		ment percentage breakup for LAN, V Telephone	Vi-Fi and	
A 10.1	Planning, D Engineer-In	etailed Design Engineering and approval of -Charge.	the same by the	1.00%
A 10.2	comprising Modules, V	Installation, Testing and Commissioning of core switches and L2 switches with 1 Vi-Fi access points, Wi-Fi controller, Netwacks, CAT 6A Cable, patch panels, OFC etc.	0G, 10 Giga SFP vork Management	
	A 10.2.1	Supply of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	70.00%	
	A 10.2.2	Installation of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	15.00%	
	A 10.2.3	Supply & Laying of LAN Cables/Tele Phone Cables/ Fiber Optics Cables	7.00%	
	A 10.2.4	Testing and Commissioning of LAN, Wi-Fi Network, and Telephone Cabling	5.00%	
A 10.3		ver the LAN, Wi-Fi, Networking System ong with As-Built Drawing (Soft & Hard Co		2.00%
				100.00%

Annexure A 11

Sub-head	l A 11) Pay	yment percentage breakup for Solar H	ot Water	
<u>System</u>				
A 11.1	Planning, I Engineer-I	Detailed Design, Engineering and approval on-Charge.	of the same by the	1.00%
A 11.2	System ald Heaters, E	stallation, Testing and Commissioning of ong with Solar flat plate Collector, Tank, lectrical control panel along with Digital t sary equipment	Electrical Backup	05 000/
4	A 11.2.1	Supplying of Solar Hot Water System along with Solar flat plate Collector, Tank and other necessary equipment		
	A 11.2.2	Installation of Solar Hot Water System	20.00%	
	A 11.2.3	Testing and Commissioning of Solar Hot Water System	5.00%	
A 11.3	Handing ov (Soft & Ha	ver the Solar Hot Water System along with and Copy)	As-Built drawings	4.00%
				100.00%

Annexure A 12

	nd A 12) Pay essurization	ment percentage breakup for Stairwa a System	ys and Lift	
A 12.1	Planning, D Engineer-In	Detailed Design, Engineering and approval on-Charge.	f the same by the	1.00%
A 12.2		tallation, Testing and Commissioning of Starrization system as per NBC 2016, CPWD S		95.00%
	A 12.2.1	Supplying of stairways and lift shaft pressurization System	70.00%	
	A 12.2.2	Installation of stairways and lift shaft pressurization System	15.00%	x.
	A 12.2.3	Testing and Commissioning of Stairways and lift shaft pressurization system	10.00%	
A 12.3		rer the Stairways and lift shaft pressurization ilt drawings (Soft & Hard Copy)	n system along	4.00%
				100.00%

Sub-h	Supply, inst	Payment percentage breakup for Design, tallation, testing and commissioning of Boling system (Low Side)		
13.1.1	Planning, De Engineer-In-	etailed Design, Engineering, and approval of th Charge.	e same by the	1.00%
13.1.2		ineering, Supply, Installation, Testing and Con el Radiant Cooling system (Low Side)	nmissioning of	95.00%
	A 13.1.2.1	Supply & installation of Building I evel Plant Room equipment and chilled Water Pipelines from Ground Floor to Sixth Floor	10.00%	
	A 13.1.2.2	Testing & Commissioning of Building Level Plant Room equipment and chilled Water Pipelines from Ground Floor to Sixth Floor	5.00%	
	A 13.1.2.3	Supply of PEX (Polyethylene cross link) with Anti Oxygen Barrier Pipes	41.50%	
	A 13.1.2.4	Installation of Ground floor Level Radiant cooling system	3.00%	
	A 13.1.2.5	Installation of First floor Level Radiant cooling system	3.00%	
	A 13.1.2.6	Installation of Second floor Level Radiant cooling system	3.00%	
	A 13.1.2.7	Installation of Third floor Level Radiant cooling system	3.00%	
	A 13.1.2.8	Installation of Fourth floor Level Radiant cooling system	3.00%	
	A 13.1.2.9	Installation of Fifth floor Level Radiant cooling system	3.00%	
	A 13.1.2.10	Installation of Sixth floor Level Radiant cooling system	3.00%	
	A 13.1.2.11	Testing & Commissioning of Ground floor Level Radiant cooling system	2.50%	
	A 13.1.2.12	Testing & Commissioning of First floor Level Radiant cooling system	2.50%	
	A 13.1.2.13	Testing & Commissioning of Second floor Level Radiant cooling system	2.50%	
	A 13.1.2.14	Testing & Commissioning of Third floor Level Radiant cooling system	2.50%	
	A 13.1.2.15	Testing & Commissioning of Fourth floor Level Radiant cooling system	2.50%	

	A 13.1.2.16	Testing & Commissioning of Fifth floor Level Radiant cooling system	2.50%	
	A 13.1.2.17	Testing & Commissioning of Sixth floor Level Radiant cooling system	2.50%	
A 13.1.3		the Building level Radiant Cooling system (Larawings (Soft & Hard Copy)	ow Side) along	2.00%
A 13.1.4	Satisfactory etc., as requir	execution of Seasonal test and submission of relead	lated test report	2.00%
				100.00%

Engin	eering, Sup Energy effi	3.2) Payment percentage breakup for oply, installation, testing and commissioning cient Chiller of 1x275 TR (Main) and torks at AC Plant 2	ng of High	
13.2.1		etailed Design, Engineering, and approval of the	same by the	1.00%
13.2.2		gineering, Supply, installation, testing and commergy efficient Chiller and associated works at A		95.00%
	A 13.2.2.1	Supply of 1x275 TR Main Chiller	40.00%	
	A 13.2.2.2	Installation of 1x275 TR Main Chiller including civil foundation works	8.00%	
	A 13.2.2.3	Testing & Commissioning of 1x275 TR Main Chiller	5.00%	
	A 13.2.2.4	Supply of chilled water circulation & Condenser pumps	8.00%	
	A 13.2.2.5	Installation of chilled water circulation & Condenser pumps including civil foundation works	3.00%	
	A 13.2.2.6	Testing and Commissioning of chilled water circulation & Condenser pumps	4.50%	
	A 13.2.2.7	Supply & installation of all associated Pipelines in AC Plant 2 including civil works	6.50%	
	A 13.2.2.8	Testing and Commissioning of all associated Pipelines in AC Plant 2	2.50%	
	A 13.2.2.9	Supply of Cooling Tower	6.00%	
	A 13.2.2.10	Installation of Cooling Tower including foundation	5.50%	
	A 13.2.2.11	Testing & Commissioning of Cooling Tower	2.50%	R
	A 13.2.2.12	Supply of Chiller Plant Manager (CPM) inclusive of appropriate suitable size and height civil partition with roof and inclusive of sufficient capacity cooling system (Split AC units)	1.50%	
	A 13.2.2.13	Installation of new CPM inclusive of appropriate suitable size and height civil partition with roof and inclusive of sufficient capacity cooling system (Split AC units) and integration with the existing systems with all required equipment, accessories, cables, etc.,	1.00%	

	A 13.2.2.14 Testing & Commissioning new CPM and integration in existing system with all required equipment, accessories, etc.,	1.00%	
A 13.2.3	Handing over the High side Energy efficient Chiller and associated works at AC Plant 2 along with As-Built drawings (Soft & Hard Copy)		2.00%
A 13.2.4	Satisfactory execution of Seasonal test and submission of related test report etc., as required		
			100.00%

B. Precast Hostel Block No.02 (PCH - 02):

Annexure B1

<u>Sub-head B 1: Payment percentage breakup for construction of RCC Precast Hostels (G+6) framed structure with finishing's: -</u>

(For intermittent payments, Pro-rata payment will be released on percentage basis on achievement of physical work)

SI.	-	Stage of activity	Breakup of % of Item Contract	% of Item Contract
No.			Value	Value
В 1.1		Detailed Design & Approval from third party nd approval of the same by the Engineer-In-		1.00%
	B 1.1.1	On approval of All Architectural Drawings by Engineer in Charge and filing application and obtaining approval for Building Occupancy Certificate (OC), fire NOC and any other, mandatory local body approvals as may be required. On approval of All Structural Drawings	0.30%	
	B 1.1.2	including proof checking by third party and approval from Engineer in Charge.	0.30%	
	B 1.1.3	On approval of All MEP Drawings (except shop drawings) by Engineer in Charge.	0.40%	
B 1.2	Completi beams &	on of Foundation & plinth including grade		22.00%
	B 1.2.1	Excavation in all types of Soil/rocks.	2.00%	
	B 1.2.2	On completion of PCC with Anti-termite Treatment	1.00%	
	B 1.2.3	On completion of Footing/rafts etc.	10.00%	
	B 1.2.4	On completion of back filling, plinth filling, plinth beams etc.	4.00%	
	B 1.2.5	Completion of grade slab (or) floor One	5.00%	
B 1.3		on of basic structure including precast panel treatment of all joints.		47.00%
	B 1.3.1	On Completion up to Floor two level	4.00%	
	B 1.3.2	On Completion up to Floor three level	6.00%	
	B 1.3.3	On Completion up to Floor four level	6.00%	
	B 1.3.4	On Completion up to Floor five level	6.00%	
	B 1.3.5	On Completion up to Floor Six level	6.00%	
	B 1.3.6	On Completion up to Floor Seven level	6.00%	
	B 1.3.7	On Completion up to Terrace/ Eight level	6.00%	

В 1.3	On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings.	1.50%	
B 1.3	0	4.00%	
B 1.3.	On completion of Cement Board wall panelling including framework to conceal Radiant Cooling Pex Pipes manifold placed over inner walls and to cover Thermal Insulation boards placed over inside of external walls all complete as per directions of EIC.	1.50%	
D 1 /	etion of finishing works i.e., Toilet roofing, flooring, fixing of doors & windows, ards, interior & exterior painting etc.		28.00%
	All type of Flooring, skirting, dado in all floors including stilt flooring etc.		
B 1.4		3.00%	
B 1.4		1.50%	
B 1.4	On completion of waterproofing, flooring and dadoing in toilets.	3.00%	
B 1.4		3.00%	
	Fixing of all types doors & windows with MS Grills and cupboards as per the approved drawing	-	
B 1.4	.5 On completion of procurement of material	3.00%	
B 1.4	.6 On completion of Installation including Granite sills and jams as per approved drawing.	3.00%	
B 1.4	.7 On completion of hardware and fixtures	1.00%	
	Painting (Internal & External) i/c putty and texture as per the approved drawing		
B 1.4		3.50%	
B 1.4		3.50%	
	Other work:		
B 1.4.	10 All other works such as false ceiling to the rooms at 6 th floor, SS railings in all staircase area, Balconies & entrance ramp etc. as per the approved drawings.	1.50%	

		Total		100.00%
В 1.5		drawing, handing over of buildings and closing of agreement		2.00%
	all statutory post-construction clearances, licenses and			
	Submissio	on of completion certificate of the building,		
		external walls		
	B 1.4.11	Thermal insulation to all the hostel rooms of	2.00%	

Sub-head B 2: Payment percentage breakup for Internal water supply and sanitary installation, Civil External Service Connections, External Sewerage, Distribution lines upto 100 mm dia, Unfiltered water supply distribution lines upto 100mm dia, Storm water drains: -

(For intermittent payments, Pro-rata payment will be released per running metre basis on achievement of physical work)

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
B 2.1	Detailed	Design and approval of the same by the Engineer-In-Charge.		1.00%
B 2.2	water su	apletion of all internal sanitary pipelines installations, apply works and rain water pipes, etc. complete as per the ns of EIC.		66.00%
	B 2.2.1	Procurement of all category of pipes, fixtures and fittings	8.50%	
	B 2.2.2	Laying of pipe lines in desired locations as per the approved drawings by EIC.	12.50%	
	B 2.2.3	Testing & Commissioning of Water supply lines	5.00%	
	B 2.2.4	Procurement of sanitary installations for complete building as per the approved make and as approved by EIC	17.00%	
	B 2.2.5	Fixing of sanitary installations in desired locations as per the approved drawings by EIC.	21.00%	
	B 2.2.6	Testing & Commissioning of sanitary installations complete as per the directions of EIC.	2.00%	
В 2.3	All External water supply works and connections complete as per the directions of EIC.			9.00%
	B 2.3.1	On supply of pipes etc.	4.50%	
	B 2.3.2	On installation of equipment and laying of pipes, valves, inspection chambers, etc.	2.50%	
	B 2.3.3	On successful testing of equipment after installation	1.00%	
	B 2.3.4	After satisfactory commissioning	1.00%	
B 2.4	1	l Sewerage system connections complete as per the ns of EIC.		6.00%
	B 2.4.1	On supply of pipes etc.	2.00%	8
	B 2.4.2	On laying of pipes including manholes, etc.	2.00%	
	B 2.4.3	On successful testing of the network	1.00%	
	B 2.4.4	After satisfactory commissioning	1.00%	

B 2.5	On completion of Distribution lines upto 100 mm dia complete as per the directions of EIC.			1.25%
B 2.6		pletion of Unfiltered water supply distribution lines upto dia complete as per the directions of EIC.		1.25%
B 2.7	Storm water drains complete as per the directions of EIC.			15.50%
*	B 2.7.1	After providing bottom & side walls storm water drains complete	9.00%	
	B 2.7.2	Providing & placing covers including culverts wherever required.	3.50%	
	B 2.7.3	After successful testing	2.00%	
	B 2.7.4	On commissioning Completion Certificate and acceptance by the Engineer-in-charge.	1.00%	
		Total		100.00%

Sub-head B 3: Payment percentage breakup for construction of Underground sump:

Sl. No.		Milestone	Breakup of % of Item	% of Item Contract
			Contract Value	Value
B 3.1	Detailed Charge.	Design and approval of the same by the Engineer-In-		1.00%
	B 3.1.1	On approval of All Architectural Drawings by Engineer in Charge.	0.30%	
	B 3.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	B 3.1.3	On approval of All MEP Drawings including Proof Checking by third party.	0.40%	
В 3.2	Complet treatmen			22.00%
	B 3.2.1	On completion of excavation work in all types of soils/rocks		
	В 3.2.2	On completion of bed concrete as per the approved drawings by EIC	7.00%	
	B 3.2.3	the approved methodology by EIC	8.00%	
B 3.3	Complet tile linin	ion of bottom raft, walls, internal waterproofing, ceramic g.		40.00%
	B 3.3.1	On completion of bottom raft work as per the approved drawing	10.00%	
	В 3.3.2	On completion of walls	10.00%	
	В 3.3.3	CONTROL OF CONTROL A CONTROL OF C	10.00%	
	B 3.3.4	On completion of ceramic tiles etc.,	10.00%	
B 3.4	Complet	ion of roof & external water proofing treatment.		20.00%
	B 3.4.1	On completion of roof concreting as per the approved drawings	10.00%	
	B 3.4.2	On completion of external waterproofing treatment as per the approved methodology by EIC	10.00%	
B 3.5	(19)	ion of external finishing works, plumbing and all other ed works complete		15.00%
	B 3.5.1	On completion of external finishing works as per the approved drawings	7.50%	
	В 3.5.2	On completion of plumbing and all other associated works complete.	7.50%	
	Submiss	ion of completion certificate all statutory post- construction		
В 3.6	clearance	es and as-built drawing, handing over and successful of agreement.		2.00%
		Total		100.00%

Sub-head B 4: Payment percentage breakup for External Development like Levelling, Internal roads with WMM and Cement Concrete pavement with vacuum dewatered concrete, Footpath with PCC base, 60mm thick paver blocks and kerb stone edging on one side:

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
B 4.1	Planning, Engineer-In	Detailed Design and approval of the same by the n-Charge.		1.00%
B 4.2	On comple	tion of Levelling as per the directions of EIC.		6.00%
B 4.3		etion of Cement Concrete pavement with vacuum concrete as per the directions of EIC.		39.50%
	B 4.3.1	On completion of Preparation of sub grade	4.00%	
	B 4.3.2	On completion of laying of base concrete and kerb	13.50%	
	B 4.3.3	On completion of laying of Dewatered Vacuum Cement Concrete	18.00%	
	B 4.3.4	On completion of providing & filling of grooves, Road marking, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-incharge.	4.00%	
B 4.4	_	etion of Footpath with PCC base, 60mm thick paver kerb stone edging on one side as per the directions of		53.50%
	B 4.4.1	On completion of Preparation of sub grade	6.50%	
	B 4.4.2	On completion of laying of PCC Base	17.00%	
	B 4.4.3	On completion of laying of 60mm thick paver block and kerb stone edging on one side	24.00%	
	B 4.4.4	On completion of providing & filling of gaps, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-in- charge.	6.00%	
		Total		100.00%

<u>Sub-head B 5: Payment percentage breakup for Hardscaping, Landscaping and Horticulture works</u>

(For intermittent payments, Pro-rata payment on achievement of physical work will be released)

SI. No.	Milestone	Breakup of % of Item	% of Item Contract Value	Remarks
B 5.1	Planning, Detailed Design and approval of the same by the Engineer-In-Charge.		1.00%	
B 5.2	Landscaping, Hardscaping, and Horticulture Works in complete shape.	-	75.00%	
B 5.3	For 6 months Maintenance period after completion of building.		20.00%	
B 5.4	Completion Certificate and acceptance by the Engineer-in-charge.		4.00%	
	Total		100.00%	

Sl. No.	D	Description of Sub-Component of Work Breakup of % of Item Contract Value			
internal e	lectrificat	nent percentage breakup for Internal Electric ion installations, UPS System, Illuminated Sig and Foot Path Lighting etc.			
B 6.1	Planning, and appro	1.00%			
В 6.2	Distributi	nstallation, Testing and Commissioning of LT Paton Boards, MCCB, RCCB, ELCB, RCBO, MCB	3's etc.,	11.00%	
	B 6.2.1 B 6.2.2	Supply of L T Panels, SDB Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from			
	B 6.2.3	Ground floor to 3 rd floor Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 4 th floor to 6 th floor			
	B 6.2.4	Installation of LT Panels, SDB	0.50%		
	B 6.2.5	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground Floor to 3 rd Floor			
	В 6.2.6	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 4 th Floor to Terrace			
	B 6.2.7	Testing and Commissioning of LT Panels, SDB	1.00%		
	B 6.2.8	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground floor to 3 rd floor			
	B 6.2.9	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains 4 th floor to 6 th floor			
В 6.3	Supply, L	15.00%			
	B 6.3.1	Supply of Suitable Size LT Cables	10.00%	•	
32	D 6.3.2	Laying & end termination of LT Cables	2.00%		
	B 6.3.3	Testing & commissioning of LT Cables	3.00%		
B 6.4	Supply, In	nstallation, Testing and Commissioning of UPS	System	0.50%	
	B 6.4.1	Supply of UPS System	0.40%		
	B 6.4.2	Installation, Testing and Commissioning of UPS System	0.10%		
В 6.5		nstallation, testing and commissioning of Indoor of various rating & types including staircase and		15.00%	
	B 6.5.1	Supply of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground floor to 3 rd floor	5.00%		
	B 6.5.2	Supply of Indoor LED Light Fixtures of various rating & types including staircase and			

		common and lighting from 4th floor to towns		
		common area lighting from 4 th floor to terrace		
		Installation, Indoor LED Light Fixtures of		
	B 6.5.3	various rating & types including staircase and	1.50%	
	0.5.5	common area lighting from Ground Floor to 3rd	1.5070	
		Floor		
		Installation, Indoor LED Light Fixtures of		
	D 6 5 4	various rating & types including staircase and	1.500/	
	B 6.5.4	common area lighting from 4th Floor to	1.50%	
		Terrace		
		Testing and Commissioning of Indoor LED		
	(8)	Light Fixtures of various rating & types		
	B 6.5.5	including staircase and common area lighting	1.00%	
			*	
		from Ground floor to 3 rd floor		
		Testing and Commissioning of Indoor LED		
	B 6.5.6	Light Fixtures of various rating & types		
	D 0.5.0	including staircase and common area lighting	1.0070	
		from 4 th floor to terrace		
D ((Supply, in	nstallation, testing and commissioning of BLDC		
B 6.6		ns & BLDC Exhaust fans		5.00%
		Supply of BLDC Ceiling Fans and BLDC		
	B 6.6.1	Exhaust Fans from Ground floor to 3 rd floor	1.50%	
		Supply of BLDC Ceiling Fans and BLDC		
	B 6.6.2	Exhaust Fans from 4 th floor to 6 th floor	1.50%	
	_			
	B 6.6.3	Installation of BLDC Ceiling fan and BLDC	0.50%	
		Exhaust Fans from Ground Floor to 3 rd Floor		
	B 6.6.4	Installation of BLDC Ceiling fan and BLDC	0.50%	
	B 0.0.1	Exhaust Fans from 4th Floor to 6th Floor		
		Testing and commissioning of BLDC Ceiling		
	B 6.6.5	fan and BLDC Exhaust Fans from Ground	0.50%	
		floor to 3 rd floor		
		Testing and commissioning of BLDC Ceiling		
	B 6.6.6	fan and BLDC Exhaust Fans from 4 th floor to		
	2 0.0.0	6 th floor	0.5070	
	Cumply or	nd installation, Testing & Commissioning of Mod	Jular Day Madular	
D (7				
B 6.7		odular Switches, Modular Sockets, Modular Elec	ironics Regulators,	20.00%
	OSB Soc	ket, TV Sockets and LAN Ports		
		Supply of Modular Box, Modular Plate,		
	B 6.7.1	Modular Switches, Modular Sockets, Modular	D 311%	
	0,,,,	Electronics Regulators and LAN Ports from	0.0070	
		ground floor to 3 rd floor		
		Supply of Modular Box, Modular Plate,		
	D (72	Modular Switches, Modular Sockets, Modular	(500/	
	B 6.7.2	Electronics Regulators and LAN Ports from 4th	6.50%	
		floor to terrace		
		Installation of Modular Box, Modular Plate,		
		Modular Switches, Modular Sockets, Modular		
	B 6.7.3	Electronics Regulators and LAN Ports from	2.50%	
		Ground Floor to 3 rd Floor		
		Installation of Modular Box, Modular Plate,		
	B 6.7.4	Modular Switches, Modular Sockets, Modular		
	D 0.7.4	Electronics Regulators and LAN Ports from 4th	2.5070	
		to Terrace		
		Testing & Commissioning of Modular Box,		
		Modular Plate, Modular Switches, Modular		
	B 6.7.5	Sockets, Modular Electronics Regulators and		
		LAN Ports from ground floor to 3 rd floor		
Augentine (A		Erm i orio nom ground noor to 5 moor		

	В 6.7.6	Testing & Commissioning of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 4 th floor to terrace	1.00%	
B 6.8	Supply &	Drawing Testing and Commissioning of Point V	Viring	10.00%
	B 6.8.1	Supply & Drawing of Point Wiring from Ground Floor to 3 rd Floor	3.50%	
	B 6.8.2	Supply & Drawing of Point Wiring from 4 th Floor to Terrace	3.50%	
	B 6.8.3	Testing and Commissioning of Point Wiring from ground floor to 3 rd floor	1.50%	
	B 6.8.4	Testing and Commissioning of Point Wiring from 4 th floor to terrace	1.50%	
3 6.9	Supply, D System	Orawing, Testing and Commissioning of Power D	istribution	10.00%
	B 6.9.1	Supply & Drawing of Power Distribution System from Ground Floor to 3 rd Floor	3.50%	
	B 6.9.2	Supply & Drawing of Power Distribution System from 4 th Floor to Terrace	3.50%	
	B 6.9.3	Testing and Commissioning of Power Distribution System from ground floor to 3 rd floor	1.50%	
	B 6.9.4	Testing and Commissioning of Power Distribution System from 4 th floor to terrace	1.50%	
3 6.10	Supply, Installation, Testing and Commissioning of Street Lights & Post Top Lights & Bollard Lights & Illuminated Signages			5.00%
	B 6.10.1	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages	3.00%	
	B 6.10.2	Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signages	1.00%	
	В 6.10.3	Testing and commissioning of Post top Lights & Bollard lights, Street Lights, Illuminated Signages	1.00%	
3 6.11	along with	stallation, testing and connecting the Lightning In Earthing system.		2.50%
3 6.12	Supply, installation, testing and connecting the Earthing system to the Electrical distribution system			3.50%
3 6.13	Commissi Copies)	oning and Handing over the As-Built Drawings	(soft & Hard	1.50%
				100.00%

		tion side and Earthing System		
B 7.1		Detailed Design, Engineering & Approval from I approval of the same by the Engineer-In-Cha		1.00%
B 7.2	Supply of Substation	Installation, Testing and Commissioning of M	V Panels at	40.00%
	B 7.2.1	Supply, Augmentation & Installation of M V Panels at Substation	30.00%	
	B 7.2.2	Testing and Commissioning of M V Panels at Substation	10.00%	
B 7.3	Supply, Laying, end termination, Testing & Commissioning of LT Cables			55.00%
	B 7.3.1	Supply of Suitable Size LT Cables	35.00%	
	B 7.3.2	Laying and end termination of LT Cables	10.00%	
	B 7.3.3	Testing & Commissioning of LT Cables	10.00%	
B 7.4	Supply, installation, testing and connecting the Earthing system to the Electrical distribution system		2.00%	
В 7.5	Commissio Copies)	oning and Handing over the As-Built Drawing	gs (soft & Hard	2.00%
				100.00%

	sioning of L	itts.		
B 8.1	Planning, Engineer-l	Detailed Design, Engineering and approval of In-Charge.	f the same by the	1.00%
В 8.2		stallation, Testing & Commissioning of 1x 13 Passenger Lift (BED Lift) with Completion of		95.00%
	B 8.2.1	Supply and proper storage of 13 Passengers Lift, Spares, Control panel, etc. at Site	25.00%	
	B 8.2.2	Supply and proper storage of 20 Passengers Lift (BED Lift) - , Spares, Control panel, etc. at Site	35.00%	
	B 8.2.3	Installation of 13 passenger lift	11.00%	
	B 8.2.4	Installation of 20 Passenger Lift	14.00%	
	B 8.2.5	Testing & Commissioning of 13 Passenger Lift-1 & Completion of Third Party Inspection	4.00%	
	B 8.2.6	Testing & Commissioning of 20 Passenger Lift & Completion of Third Party Inspection	6.00%	
B 8.3	Handing over the 13 passenger Lift in all respects along with As-Built Drawings (soft & Hard Copies)		2.00%	
B 8.4		ver the 20 passenger Lift in all respects along (soft & Hard Copies)	with As-Built	2.00%
			-	100.00%

		Payment percentage breakup for Fire Fighting Alarm System, Fire Extinguishers & wat		
			t <u>s</u>	ımp se
1.00%		Planning, Detailed Design, Engineering as per the NBC 2016 Code & Approval from Statutory Bodies and approval of the same by the Engineer-In-Charge.		
65.00%	drant, Fire	Supply, Installation, Testing and Commissioning of Fire Hydrant, Fire Fighting Pumps, Wet Riser and Sprinkler System.		
	45.00%	Supply of Fire Fighting pumps, Wet Riser piping, Sprinklers and Yard Hydrant etc. as per the Approved Drawings/Take off Sheets	B 9.2.1	
	10.00%	Installation Fire Fighting pumps, Wet Riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	B 9.2.2	
	10.00%	Testing & Commissioning complete Fire Fighting system including Fire Fighting Pumps, Wet riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	B 9.2.3	
28.00%	tic	Supply, Installation, Testing and Commissioning of Automatic Addressable Fire Alarm System		В 9.3
	15.00%	Supply of Automatic Fire Alarm Systems and cables as per the Approved Drawings	B 9.3.1	
	8.00%	Laying of cables and Installation of Automatic Fire alarm system	B 9.3.2	
	5.00%	Testing and Commissioning of Automatic Fire alarm System	B 9.3.3	
1.00%	ocations as	and installation of Fire Extinguishers at designated lapproved Drawing by Engineer-In-Charge		В 9.4
3.00%		Installation, Testing and Commissioning of the Wat long with Starter and Automatic electrical control p ump at Ground of the Building	pumps alon	В 9.5
	2.00%	Supply of Water supply pumps along with Starter and Automatic electrical control panel	B 9.5.1	
	1.00%	Installation, Testing and Commissioning of the Water supply pumps along with Starter and Automatic electrical control panel at UG Water Sump at Ground of the Building	B 9.5.2	
2.00%		Handing over the Fire Fighting System, Automatic Fire alarm System, Water pumping System along with NOC from the Local Authorities and As-Built Drawing (Soft & Hard Copy)		
100.00%				

Sub-head system, T		ent percentage breakup for LAN, Wi-Fi a	and Networking	
B 10.1	Planning, D Engineer-In	Detailed Design Engineering and approval of a-Charge.	the same by the	1.00%
B 10.2	comprising Modules, V	Supplying, Installation, Testing and Commissioning of LAN System comprising of core switches and L2 switches with 10G, 10 Giga SFP Modules, Wi-Fi access points, Wi-Fi controller, Network Management Software, Racks, CAT 6A Cable, patch panels, OFC etc.		97.00%
	B 10.2.1	Supply of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	70.00%	
	B 10.2.2	Installation of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	15.00%	
	B 10.2.3	Supply & Laying of LAN Cables/Tele Phone Cables/ Fiber Optics Cables	7.00%	
	B 10.2.4	Testing and Commissioning of LAN, Wi- Fi Network, and Telephone Cabling	5.00%	
B 10.3 Handing over the LAN, Wi-Fi, Networking System and Telephone Network along with As-Built Drawing (Soft & Hard Copy)			2.00%	
				100.00%

Sub-head	d B 11) Pay	ment percentage breakup for Solar Hot	Water System	
B 11.1	Planning, I Engineer-In	Detailed Design, Engineering and approval cal- n-Charge.	of the same by the	1.00%
B 11.2	System alor Electrical c	Supply, Installation, Testing and Commissioning of Solar Hot Water System along with Solar Collector, Tank, Electrical Backup Heaters, Electrical control panel along with Digital timers system and other necessary equipment		
	B 11.2.1	Supplying of Solar Hot Water System along with Solar Collector, Tank and other necessary equipment	70.00%	
	B 11.2.2	Installation of Solar Hot Water System	20.00%	
	B 11.2.3	Testing and Commissioning of Solar Hot Water System	5.00%	
B 11.3	Handing over the Solar Hot Water System along with As-Built drawings (Soft & Hard Copy)		4.00%	
P44 -				100.00%

Pressur	ization Syst	<u>em</u>			
B 12.1	Planning, I Engineer-In	Detailed Design, Engineering and approval on-Charge.	f the same by the	1.00%	
B 12.2	shaft pressu	tallation, Testing and Commissioning of Sta prization system as per NBC 2016, CPWD S State Disaster Response and Fire Services de	pecification and	95.00%	
	B 12.2.1	Supplying of stairways and lift shaft pressurization System	70.00%		
	B 12.2.2	Installation of stairways and lift shaft pressurization System	15.00%		
	B 12.2.3	Testing and Commissioning of Stairways and lift shaft pressurization system	10.00%		
B 12.3	Handing over the Stairways and lift shaft pressurization system along with As-Built drawings (Soft & Hard Copy)			4.00%	
				100.00%	

Supply	installatio	ayment percentage breakup for Designon, testing and commissioning of stem (Low Side)		
B 13.1.1	Planning, De Engineer-In-	etailed Design, Engineering, and approval of Charge.	f the same by the	1.00%
3 13.1.2		ineering, Supply, Installation, Testing and C el Radiant Cooling system (Low Side)	ommissioning of	95.00%
	B 13.1.2.1	Supply & installation of Building Level Plant Room equipment and chilled Water Pipelines from Ground Floor to Sixth Floor	10.00%	
	B 13.1.2.2	Testing & Commissioning of Building Level Plant Room equipment and chilled Water Pipelines from Ground Floor to Sixth Floor	5.00%	
	B 13.1.2.3	Supply of PEX (Polyethylene cross link) with Anti Oxygen Barrier Pipes	41.50%	
	B 13.1.2.4	Installation of Ground floor Level Radiant cooling system	3.00%	
	B 13.1.2.5	Installation of First floor Level Radiant cooling system	3.00%	
	B 13.1.2.6	Installation of Second floor Level Radiant cooling system	3.00%	
	B 13.1.2.7	Installation of Third floor Level Radiant cooling system	3.00%	
	B 13.1.2.8	Installation of Fourth floor Level Radiant cooling system	3.00%	
	B 13.1.2.9	Installation of Fifth floor Level Radiant cooling system	3.00%	
	B 13.1.2.10	Installation of Sixth floor Level Radiant cooling system	3.00%	
	B 13.1.2.11	Testing & Commissioning of Ground floor Level Radiant cooling system	2.50%	
	B 13.1.2.12	Testing & Commissioning of First floor Level Radiant cooling system	2.50%	
	B 13.1.2.13	Testing & Commissioning of Second floor Level Radiant cooling system	2.50%	
	B 13.1.2.14	Testing & Commissioning of Third floor Level Radiant cooling system	2.50%	

				100.00%
B 13.1.4	Satisfactory report etc., a	execution of Seasonal test and submission of srequired	f related test	2.00%
B 13.1.3	Handing over the Building level Radiant Cooling system (Low Side) along with As-Built drawings (Soft & Hard Copy)		ı (Low Side)	2.00%
	B 13.1.2.17	Testing & Commissioning of Sixth floor Level Radiant cooling system	2.50%	
	B 13.1.2.16	Testing & Commissioning of Fifth floor Level Radiant cooling system	2.50%	
	B 13.1.2.15	Testing & Commissioning of Fourth floor Level Radiant cooling system	2.50%	

<u>Sub-head C 1: Payment percentage breakup for construction of RCC Precast Hostels (G+6)</u> <u>framed structure and finishing's: -</u>

(For intermittent payments, Pro-rata payment will be released on percentage basis on achievement of physical work)

SI. No.		Stage of activity	Breakup of % of Item Contract Value	% of Item Contract Value
C 1.1	1000	Detailed Design & Approval from third party and approval of the same by the Engineer-In-		1.00%
-	C 1.1.1	On approval of All Architectural Drawings by Engineer in Charge and filing application and obtaining approval for Building Occupancy Certificate (OC), fire NOC and any other, mandatory local body approvals as may be required.	0.30%	
	C 1.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	C 1.1.3	On approval of All MEP Drawings (except shop drawings) by Engineer in Charge.	0.40%	
C 1.2	Completi beams &	on of Foundation & plinth including grade slab.		22.00%
	C 1.2.1	Excavation in all types of Soil/rocks.	2.00%	
	C 1.2.2	On completion of PCC with Anti-termite Treatment	1.00%	
	C 1.2.3	On completion of Footing/rafts etc.	10.00%	
	C 1.2.4	On completion of back filling, plinth filling, plinth beams etc.	4.00%	
	C 1.2.5	Completion of grade slab (or) floor One	5.00%	
C 1.3		on of basic structure including precast panel treatment of all joints.		47.00%
	C 1.3.1	On Completion up to Floor two level	4.00%	
	C 1.3.2	On Completion up to Floor three level	6.00%	
	C 1.3.3	On Completion up to Floor four level	6.00%	
	C 1.3.4	On Completion up to Floor five level	6.00%	
	C 1.3.5	On Completion up to Floor Six level	6.00%	
	C 1.3.6	On Completion up to Floor Seven level	6.00%	
	C 1.3.7	On Completion up to Terrace/ Eight level	6.00%	

	C 1.3.8	On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings	1.50/0	
	C 1.3.9	On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness	4.0070	
	C 1.3.10	On completion of Cement Board wall panelling including framework to conceal Radiant Cooling Pex Pipes manifold placed over inner walls and to cover Thermal Insulation boards placed over inside of external walls all complete as per directions of EIC.	1.30%	
	Completi	,		
C 1.4		ofing, flooring, fixing of doors & windows, s, interior & exterior painting etc.		28.00%
		All type of Flooring, skirting, dado in all floors including stilt flooring etc.		
	C 1.4.1	On completion of flooring in all rooms of the building and dadoing in wet areas including stilt floor as per the approved drawing.	3.00%	
	C 1.4.2	On completion of flooring in all corridors and common areas with skirting.	1.50%	
	C 1.4.3	On completion of waterproofing, flooring and dadoing in toilets.	3.00%	
	C 1.4.4	On completion of staircase mid-ladings, riser and treads including skirting	3.00%	
	50	Fixing of all types doors & windows with MS Grills and cupboards as per the approved drawing		
	C 1.4.5	On completion of procurement of material	3.00%	
	C 1.4.6	On completion of Installation including Granite sills and jams as per approved drawing.	3.00%	
	C 1.4.7	On completion of hardware and fixtures	1.00%	
		Painting (Internal & External) i/c putty and texture as per the approved drawing		
	C 1.4.8	On completion of internal painting	3.50%	
	C 1.4.9	On completion of external painting	3.50%	
		Other work:		
	C 1.4.10	All other works such as false ceiling to the rooms at 6 th floor, SS railings in all staircase area, Balconies & entrance ramp etc. as per the approved drawings.	1.50%	

	C 1.4.11	Thermal insulation to all room of external	2.00%	
		walls		
	Submissio	on of completion certificate of the building,		
	all statuto	ry post-construction clearances, licenses and		
C 1.5	as- built	drawing, handing over of buildings and		2.00%
	successful	closing of agreement		
		Total		100.00%

Sub-head C 2: Payment percentage breakup for Internal water supply and sanitary installation, Civil External Service Connections, External Sewerage, Distribution lines upto 100 mm dia, Unfiltered water supply distribution lines upto 100mm dia, Storm water drains: -

(For intermittent payments, Pro-rata payment will be released per running metre basis on achievement of physical work)

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
C 2.1	Detailed D	esign and approval of the same by the Engineer-In-Charge.		1.00%
C 2.2		etion of all internal sanitary pipelines installations, water orks and rain water pipes, etc. complete as per the of EIC.		66.00%
	C 2.2.1	Procurement of all category of pipes, fixtures and fittings	8.50%	
	C 2.2.2	Laying of pipe lines in desired locations as per the approved drawings by EIC.	12.50%	
	C 2.2.3	Testing & Commissioning of Water supply lines	5.00%	
	C 2.2.4	Procurement of sanitary installations for complete building as per the approved make and as approved by EIC	17.00%	
	C 2.2.5	Fixing of sanitary installations in desired locations as per the approved drawings by EIC.	21.00%	
	C 2.2.6	Testing & Commissioning of sanitary installations complete as per the directions of EIC.	2.00%	
C 2.3		al water supply works and connections complete as per ons of EIC.		9.00%
	C 2.3.1	On supply of pipes etc.	4.50%	
	C 2.3.2	On installation of equipment and laying of pipes, valves, inspection chambers, etc.	2.50%	
	C 2.3.3	On successful testing of equipment after installation	1.00%	
	C 2.3.4	After satisfactory commissioning	1.00%	
C 2.4	External directions			6.00%
	C 2.4.1	On supply of pipes etc.	2.00%	
	C 2.4.2	On laying of pipes including manholes, etc.	2.00%	
	C 2.4.3	On successful testing of the network	1.00%	
ar ar	C 2.4.4	After satisfactory commissioning	1.00%	

C 2.5		n completion of Distribution lines upto 100 mm dia complete as per e directions of EIC.		
	the directio	is of ElC.		
C 2.6		etion of Unfiltered water supply distribution lines upto complete as per the directions of EIC.		1.25%
C 2.7	Storm wat	er drains complete as per the directions of EIC.		15.50%
	C 2.7.1	After providing bottom & side walls storm water drains complete	9.00%	
	C 2.7.2	Providing & placing covers including culverts wherever required.	3.50%	
	C 2.7.3	After successful testing	2.00%	
	C 2.7.4	On commissioning Completion Certificate and acceptance by the Engineer-in-charge.	1.00%	
		Total		100.00%

Sub-head C 3: Payment percentage breakup for construction of Underground sump:

S1. No.		Milestone	Breakup of % of Item	% of Item Contract
			Contract Value	Value
C 3.1	Detailed D	esign and approval of the same by the Engineer-In-Charge.		1.00%
	C 3.1.1	On approval of All Architectural Drawings by Engineer in Charge.	0.30%	
	C 3.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	C 3.1.3	On approval of All MEP Drawings including Proof Checking by third party.	0.40%	
C 3.2	Completion treatment	n of Excavation, bed concrete and bottom water proofing		22.00%
	C 3.2.1	On completion of excavation work in all types of soils/rocks	7.00%	
	C 3.2.2	On completion of bed concrete as per the approved drawings by EIC	7.00%	
	C 3.2.3	On completion of bottom waterproofing treatment as per the approved methodology by EIC	8.00%	
C 3.3	Completion lining.	n of bottom raft, walls, internal waterproofing, ceramic tile		40.00%
	C 3.3.1	On completion of bottom raft work as per the approved drawing	10.00%	
	C 3.3.2	On completion of walls	10.00%	
	C 3.3.3	On completion of Internal waterproofing	10.00%	
	C 3.3.4	On completion of ceramic tiles etc.,	10.00%	
C 3.4	Completion	of roof & external water proofing treatment.		20.00%
	C 3.4.1	On completion of roof concreting as per the approved drawings	10.00%	
	C 3.4.2	On completion of external waterproofing treatment as per the approved methodology by EIC	10.00%	
C 3.5		of external finishing works, plumbing and all other works complete		15.00%
	C 3.5.1	On completion of external finishing works as per the approved drawings	7.50%	
	C 3.5.2	On completion of plumbing and all other associated works complete.	7.50%	
		of completion certificate all statutory post- construction		
C 3.6	of agreeme	and as-built drawing, handing over and successful closing nt.		2.00%
		Total		100.00%

Sub-head C 4: Payment percentage breakup for External Development like Levelling, Internal roads with WMM and Cement Concrete payement with vacuum dewatered concrete, Footpath with PCC base, 60mm thick payer blocks and kerb stone edging on one side:

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
C 4.1		Detailed Design and approval of the same by the In-Charge.		1.00%
C 4.2	On compl	etion of Levelling as per the directions of EIC.		6.00%
C 4.3	_	etion of Cement Concrete pavement with vacuum concrete as per the directions of EIC.		39.50%
	C 4.3.1	On completion of Preparation of sub grade	4.00%	
	C 4.3.2	On completion of laying of base concrete and kerb	13.50%	
45:e5	C 4.3.3	On completion of laying of Dewatered Vacuum Cement Concrete	18.00%	
	C 4.3.4	On completion of providing & filling of grooves, Road marking, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-in- charge.	4.00%	
C 4.4		etion of Footpath with PCC base, 60mm thick paver d kerb stone edging on one side as per the directions		53.50%
	C 4.4.1	On completion of Preparation of sub grade	6.50%	
	C 4.4.2	On completion of laying of PCC Base	17.00%	
	C 4.4.3	On completion of laying of 60mm thick paver block and kerb stone edging on one side	24.00%	
	C 4.4.4	On completion of providing & filling of gaps, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-in- charge.		
		Total		100.00%

<u>Sub-Head C 5: Payment percentage breakup for Hardscaping, Landscaping and Horticulture works</u>

(For intermittent payments, Pro-rata payment on achievement of physical work will be released)

SI.		Breakup	% of Item Contract	
No.	Milestone	of % of Item	Value	Remarks
C 5.1	Planning, Detailed Design and approval of the same by the Engineer In Charge.		1.00%	
C 5.2	Landscaping, Hardscaping, and Horticulture Works in complete shape.		75.00%	
C 5.3	For 6 months Maintenance period after completion of building.	÷	20.00%	
C 5.4	Completion Certificate and acceptance by the Engineer-in-charge.		4.00%	(4)
	Total		100.00%	

Sl. No.	Des	cription of Sub-Component of Work	Breakup of % of Item Contract Value	% of Item Contract Value
internal e	lectrificati	nent percentage breakup for Internal Election installations, UPS System, Illuminated and Foot Path Lighting etc.		
C 6.1		g, Detailed Design, Engineering & Approval and approval of the same by the Engineer-In-		1.00%
C 6.2	Distribut	Installation, Testing and Commissioning of I tion Boards, MCCB, RCCB, ELCB, RCBO,	MCB's etc.,	11.00%
	C 6.2.1	Supply of L T Panels, SDB	4.00%	
	C 6.2.2	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground floor to 3 rd floor	2.00%	
	C 6.2.3	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 4 th floor to 6 th floor	2.00%	
	C 6.2.4	Installation of LT Panels, SDB	0.50%	
grande a	C 6.2.5	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground Floor to 3 rd Floor	0.25%	
	C 6.2.6	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 4 th Floor to Terrace	0.25%	
	C 6.2.7	Testing and Commissioning of LT Panels, SDB	1.00%	
	C 6.2.8	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground floor to 3 rd floor	0.50%	
	C 6.2.9	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains 4 th floor to 6 th floor	0.50%	
C 6.3	Supply, L	aying, end termination, Testing & commission	oning of LT Cables	15.00%
	C 6.3.1	Supply of Suitable Size LT Cables	10.00%	•
	C 6.3.2	Laying & end termination of LT Cables	2.00%	
	C 6.3.3	Testing & commissioning of LT Cables	3.00%)
C 6.4	Supply, In	nstallation, Testing and Commissioning of U	PS System	0.50%
	C 6.4.1	Supply of UPS System	0.40%)
	C 6.4.2	Installation, Testing and Commissioning of UPS System	0.10%)
C 6.5		astallation, testing and commissioning of Inde of various rating & types including staircase a		15.00%
	C 6.5.1	Supply of Indoor LED Light Fixtures of	5.00%	

	C 6.5.2	various rating & types including staircase and common area lighting from	5.00%	
		4 th floor to terrace		
		Installation, Indoor LED Light Fixtures		
	C 6.5.3	of various rating & types including staircase and common area lighting from	1.50%	
		Ground Floor to 3 rd Floor		
		Installation, Indoor LED Light Fixtures		
	C 6.5.4	of various rating & types including	1 500/	
	C 6.3.4	staircase and common area lighting from	1.50%	
		4th Floor to Terrace		
		Testing and Commissioning of Indoor		
	0655	LED Light Fixtures of various rating &	4 000	
	C 6.5.5	types including staircase and common	1.00%	
		area lighting from Ground floor to 3 rd floor		
		Testing and Commissioning of Indoor		
	~	LED Light Fixtures of various rating &		
	C 6.5.6	types including staircase and common	1.00%	
		area lighting from 4th floor to terrace		
C 6.6		stallation, testing and commissioning of		
	BLDC cei	ling fans & BLDC Exhaust fans		5.00%
	0661	Supply of BLDC Ceiling Fans and	1.500/	
	C 6.6.1	BLDC Exhaust Fans from Ground floor to 3 rd floor	1.50%	
		Supply of BLDC Ceiling Fans and	-	
	C 6.6.2	BLDC Exhaust Fans from 4 th floor to 6 th	1.50%	
	0.0.2	floor	1.5070	
		Installation of BLDC Ceiling fan and		
	C 6.6.3	BLDC Exhaust Fans from Ground Floor	0.50%	
		to 3 rd Floor		
	2	Installation of BLDC Ceiling fan and		
	C 6.6.4	BLDC Exhaust Fans from 4th Floor to	0.50%	
		6 th Floor		
	1	Testing and commissioning of BLDC		
	C665	Ceiling fan and RIDC Exhaust Fond	0.500/	
	C 6.6.5	Ceiling fan and BLDC Exhaust Fans	0.50%	
	C 6.6.5	from Ground floor to 3 rd floor	0.50%	
	C 6.6.5	from Ground floor to 3 rd floor Testing and commissioning of BLDC		
		from Ground floor to 3 rd floor	0.50%	
	C 6.6.6	from Ground floor to 3 rd floor Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans	0.50%	
C 6.7	C 6.6.6 Supply an Modular I	from Ground floor to 3 rd floor Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans from 4 th floor to 6 th floor d installation, Testing & Commissioning of I	0.50% Modular Box, Iodular	20.00%
C 6.7	C 6.6.6 Supply an Modular I	from Ground floor to 3 rd floor Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans from 4 th floor to 6 th floor d installation, Testing & Commissioning of 1 Plate, Modular Switches, Modular Sockets, Moss Regulators, USB Socket, TV Sockets and I	0.50% Modular Box, Iodular	20.00%
C 6.7	C 6.6.6 Supply an Modular I	from Ground floor to 3 rd floor Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans from 4 th floor to 6 th floor d installation, Testing & Commissioning of I Plate, Modular Switches, Modular Sockets, Moss Regulators, USB Socket, TV Sockets and I Supply of Modular Box, Modular Plate,	0.50% Modular Box, Iodular	20.00%
C 6.7	C 6.6.6 Supply an Modular I	from Ground floor to 3 rd floor Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans from 4 th floor to 6 th floor d installation, Testing & Commissioning of I Plate, Modular Switches, Modular Sockets, M s Regulators, USB Socket, TV Sockets and I Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets,	0.50% Modular Box, fodular LAN Ports	20.00%
C 6.7	C 6.6.6 Supply an Modular I Electronic	from Ground floor to 3 rd floor Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans from 4 th floor to 6 th floor d installation, Testing & Commissioning of I Plate, Modular Switches, Modular Sockets, M s Regulators, USB Socket, TV Sockets and I Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN	0.50% Modular Box, Iodular	20.00%
C 6.7	C 6.6.6 Supply an Modular I Electronic	from Ground floor to 3 rd floor Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans from 4 th floor to 6 th floor d installation, Testing & Commissioning of Blate, Modular Switches, Modular Sockets, Markey Regulators, USB Socket, TV Sockets and I Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from ground floor to 3 rd floor	0.50% Modular Box, fodular LAN Ports	20.00%
C 6.7	C 6.6.6 Supply an Modular I Electronic	from Ground floor to 3 rd floor Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans from 4 th floor to 6 th floor d installation, Testing & Commissioning of 1 Plate, Modular Switches, Modular Sockets, Moss Regulators, USB Socket, TV Sockets and I Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from ground floor to 3 rd floor Supply of Modular Box, Modular Plate,	0.50% Modular Box, fodular LAN Ports	20.00%
C 6.7	C 6.6.6 Supply an Modular I Electronic	from Ground floor to 3 rd floor Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans from 4 th floor to 6 th floor d installation, Testing & Commissioning of I Plate, Modular Switches, Modular Sockets, Modular Sockets, Modular Switches, Modular Plate, Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from ground floor to 3 rd floor Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Switches, Modular Sockets,	0.50% Modular Box, fodular LAN Ports	20.00%
C 6.7	C 6.6.6 Supply an Modular I Electronic	from Ground floor to 3 rd floor Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans from 4 th floor to 6 th floor d installation, Testing & Commissioning of 1 Plate, Modular Switches, Modular Sockets, Moss Regulators, USB Socket, TV Sockets and I Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from ground floor to 3 rd floor Supply of Modular Box, Modular Plate,	0.50% Modular Box, fodular LAN Ports 6.50%	20.00%

		Plate, Modular Switches, Modular		
		Sockets, Modular Electronics Regulators		
		and LAN Ports from Ground Floor to 3 rd		
		Floor		
		Installation of Modular Box, Modular		
	0.674	Plate, Modular Switches, Modular	2.500/	
	C 6.7.4	Sockets, Modular Electronics Regulators	2.50%	
		and LAN Ports from 4th to Terrace		
		Testing & Commissioning of Modular		
		Box, Modular Plate, Modular Switches,		
	C 6.7.5	Modular Sockets, Modular Electronics	1.00%	
		Regulators and LAN Ports from ground		
		floor to 3 rd floor		
		Testing & Commissioning of Modular		
		Box, Modular Plate, Modular Switches,		
	C 6.7.6	Modular Sockets, Modular Electronics	1.00%	
		Regulators and LAN Ports from 4th floor to		
		terrace		
C 6.8	Supply &	Drawing Testing and Commissioning of Poin	nt Wiring	10.00%
	0.601	Supply & Drawing of Point Wiring from	2.500/	
	C 6.8.1	Ground Floor to 3 rd Floor	3.50%	
	C 6.8.2	Supply & Drawing of Point Wiring from	3.50%	
	C 0.6.2	4 th Floor to Terrace	3.3070	
	C 6.8.3	Testing and Commissioning of Point	1.50%	
	C 0.6.3	Wiring from ground floor to 3 rd floor	1.5070	
	C 6.8.4	Testing and Commissioning of Point	1.50%	
		Wiring from 4 th floor to terrace		
C 6.9	Supply, Drawing, Testing and Commissioning of Power Distribution System		10.00%	
		Supply & Drawing of Power Distribution		
	C 6.9.1	System from Ground Floor to 3 rd Floor	3.50%	
	0.600	Supply & Drawing of Power Distribution	2.500/	
	C 6.9.2	System from 4 th Floor to Terrace	3.50%	
		Testing and Commissioning of Power		
	C 6.9.3	Distribution System from ground floor to	1.50%	
		3 rd floor		
		Testing and Commissioning of Power		
	C 6.9.4	Distribution System from 4 th floor to	1.50%	
		terrace		
C 6.10		stallation, Testing and Commissioning of Stallation	reet Lights & Post	
0.10	Top Light	Top Lights & Bollard Lights & Illuminated Signages		5.00%
	C 6 10 1	Supply of Street lights Post top Lights &	3.00%	
	C 6.10.1	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages	3.00%	
		Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages Installation of Post top Lights & Bollard		
	C 6.10.1	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signages	3.00% 1.00%	
	C 6.10.2	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signages Testing and commissioning of Post top	1.00%	
		Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signages Testing and commissioning of Post top Lights & Bollard lights, Street Lights,		
	C 6.10.2	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signages Testing and commissioning of Post top Lights & Bollard lights, Street Lights, Illuminated Signages	1.00%	
2611	C 6.10.2 C 6.10.3 Supply, in	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signages Testing and commissioning of Post top Lights & Bollard lights, Street Lights, Illuminated Signages stallation, testing and connecting the Lightni	1.00%	2 50%
C 6.11	C 6.10.2 C 6.10.3 Supply, in system alo	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signages Testing and commissioning of Post top Lights & Bollard lights, Street Lights, Illuminated Signages Illuminated Signages stallation, testing and connecting the Lightning with Earthing system.	1.00% 1.00% ng Protection	2.50%
	C 6.10.2 C 6.10.3 Supply, in system alc Supply, in	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signages Testing and commissioning of Post top Lights & Bollard lights, Street Lights, Illuminated Signages stallation, testing and connecting the Lightning with Earthing system. stallation, testing and connecting the Earthin	1.00% 1.00% ng Protection	2.50% 3.50%
C 6.11	C 6.10.2 C 6.10.3 Supply, in system alco Supply, in Electrical	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signages Testing and commissioning of Post top Lights & Bollard lights, Street Lights, Illuminated Signages stallation, testing and connecting the Lightning with Earthing system. stallation, testing and connecting the Earthin distribution system	1.00% 1.00% ng Protection g system to the	
	C 6.10.2 C 6.10.3 Supply, in system alco Supply, in Electrical	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signages Testing and commissioning of Post top Lights & Bollard lights, Street Lights, Illuminated Signages stallation, testing and connecting the Lightning with Earthing system. stallation, testing and connecting the Earthin	1.00% 1.00% ng Protection g system to the	

	Jo at Substi	ation side and Earthing System		
C 7.1		Planning, Detailed Design, Engineering & Approval from Statutory Bodie and approval of the same by the Engineer-In-Charge.		1.00%
C 7.2	Supply of Installation, Testing and Commissioning of M V Panels at Substation		V Panels at	40.00%
	C 7.2.1	Supply, Augmentation & Installation of M V Panels at Substation	30.00%	
	C 7.2.3	Testing and Commissioning of M V Panels at Substation	10.00%	
C 7.3	Supply, Laying, end termination, Testing & Commissioning of LT Cables			55.00%
	C 7.3.1	Supply of Suitable Size LT Cables	35.00%	
	C 7.3.2	Laying and end termination of LT Cables	10.00%	
	C 7.3.3	Testing & Commissioning of LT Cables	10.00%	
C 7.4	Supply, installation, testing and connecting the Earthing system to the Electrical distribution system		system to the	2.00%
C 7.5	Commission Copies)	oning and Handing over the As-Built Drawings	s (soft & Hard	2.00%
				100.00%

	C 8) Paym	nent percentage breakup for Supply, Ind Lifts:	stallation, Testing	
C 8.1	Planning, Detailed Design, Engineering and approval of the same by the Engineer-In-Charge.			1.00%
C 8.2	Supply, Installation, Testing & Commissioning of 1x 13 Passenger Lifts and 1x20 Passenger Lift (BED Lift) with Completion of Third Party Inspection			95.00%
	C 8.2.1	Supply and proper storage of 13 Passengers Lift, Spares, Control panel, etc. at Site	25.00%	
	C 8.2.2	Supply and proper storage of 20 Passengers Lift (BED Lift) - , Spares, Control panel, etc. at Site	35.00%	
	C 8.2.3	Installation of 13 passenger lift	11.00%	
	C 8.2.4	Installation of 20 Passenger Lift	14.00%	
	C 8.2.5	Testing & Commissioning of 13 Passenger Lift & Completion of Third Party Inspection	4.00%	
	C 8.2.6	Testing & Commissioning of 20 Passenger Lift & Completion of Third Party Inspection	6.00%	
C 8.3	Handing over the 13 passenger Lift in all respects along with As-Built Drawings (soft & Hard Copies)		2.00%	
C 8.4		ver the 20 passenger Lift in all respects along (soft & Hard Copies)	g with As-Built	2.00%
				100.00%

		yment percentage breakup for Fire larm System, Fire Extinguishers & wat	
1.00%	Planning, Detailed Design, Engineering as per the NBC 2016 Code & Approval from Statutory Bodies and approval of the same by the Engineer-In-Charge.		
65.00%	re Hydrant, Fire	stallation, Testing and Commissioning of Fir Imps, Wet Riser and Sprinkler System.	C 9.2 Sup Figh
	45.00%	Supply of Fire Fighting pumps, Wet Riser piping, Sprinklers and Yard Hydrant etc. as per the Approved Drawings/Take off Sheets	C
	10.00%	Installation Fire Fighting pumps, Wet Riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	CS
	10.00%	Testing & Commissioning complete Fire Fighting system including Fire Fighting Pumps, Wet riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	CS
28.00%	Supply, Installation, Testing and Commissioning of Automatic Addressable Fire Alarm System		
	15.00%	Supply of Automatic Fire Alarm Systems and cables as per the Approved Drawings	CS
	8.00%	Laying of cables and Installation of Automatic Fire alarm system	C
	5.00%	Testing and Commissioning of Automatic Fire alarm System	CS
1.00%	Supply and installation of Fire Extinguishers at designated locations as per the approved Drawing by Engineer-In-Charge		
3.00%		Supply, Installation, Testing and Commissioning of the Water supply pumps along with Starter and Automatic electrical control panel at UG Water Sump at Ground of the Building	
	2.00%	Supply of Water supply pumps along with Starter and Automatic electrical control panel	CS
	1.00%	Installation, Testing and Commissioning of the Water supply pumps along with Starter and Automatic electrical control panel at UG Water Sump at Ground of the Building	C 9
2.00%	re alarm System, al Authorities and	ver the Fire Fighting System, Automatic Find ping System along with NOC from the Local rawing (Soft & Hard Copy)	C 9.6 Wat
100.00%			

stem, 1	<u>elephone</u>			
C 10.1	Planning, D Engineer-In	etailed Design Engineering and approval of a-Charge.	the same by the	1.00%
C 10.2	Supplying, Installation, Testing and Commissioning of LAN System comprising of core switches and L2 switches with 10G, 10 Giga SFP Modules, Wi-Fi access points, Wi-Fi controller, Network Management Software, Racks, CAT 6A Cable, patch panels, OFC etc.		97.00%	
	C 10.2.1	Supply of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	70.00%	
	C 10.2.2	Installation of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	15.00%	
1100	C 10.2.3	Supply & Laying of LAN Cables/Tele Phone Cables/ Fiber Optics Cables	7.00%	
	C 10.2.4	Testing and Commissioning of LAN, Wi-Fi Network, and Telephone Cabling	5.00%	
C 10.3		Handing over the LAN, Wi-Fi, Networking System and Telephone Network along with As-Built Drawing (Soft & Hard Copy)		2.00%
				100.00%

ab-iica	d CII) I ayı	ment percentage breakup for Solar Hot V	vater System	
C 11.1		Planning, Detailed Design, Engineering and approval of the same by the Engineer-In-Charge.		
C 11.2	Supply, Installation, Testing and Commissioning of Solar Hot Water System along with Solar Collector, Tank, Electrical Backup Heaters, Electrical control panel along with Digital timers system and other necessary equipment		95.00%	
	C 11.2.1	Supplying of Solar Hot Water System along with Solar Collector, Tank and other necessary equipment	70.00%	÷
	C 11.2.2	Installation of Solar Hot Water System	20.00%	
	C 11.2.3	Testing and Commissioning of Solar Hot Water System	5.00%	
C 11.3	C 11.3 Handing over the Solar Hot Water System along with As-Built drawings (Soft & Hard Copy)		4.00%	
				100.00%

Pressur	ization Syst	<u>em</u>		
C 12.1		Planning, Detailed Design, Engineering and approval of the same by the Engineer-In-Charge.		
C 12.2	Supply, Installation, Testing and Commissioning of Stairways and Lift shaft pressurization system as per NBC 2016, CPWD Specification and Telangana State Disaster Response and Fire Services department		95.00%	
	C 12.2.1	Supplying of stairways and lift shaft pressurization System	70.00%	
	C 12.2.2	Installation of stairways and lift shaft pressurization System	15.00%	
	C 12.2.3	Testing and Commissioning of Stairways and lift shaft pressurization system	10.00%	
C 12.3		ver the Stairways and lift shaft pressurization ilt drawings (Soft & Hard Copy)	ı system along	4.00%
				100.00%

Annexure C 13.1

Engin	eering, Su	8.1) Payment percentage breakup fupply, installation, testing and commitation (Low Side)	or Design, ssioning of			
C 13.1.1	Planning, D Engineer-In	Planning, Detailed Design, Engineering, and approval of the same by the Engineer-In-Charge.				
C 13.1.2	Design, Eng Building lev	gineering, Supply, Installation, Testing and Comvel Radiant Cooling system (Low Side)	missioning of	95.00%		
	C 13.1.2.1	Supply & installation of Building Level Plant Room equipment and chilled Water Pipelines from Ground Floor to Sixth Floor	10.00%			
	C 13.1.2.2	Testing & Commissioning of Building Level Plant Room equipment and chilled Water Pipelines from Ground Floor to Sixth Floor	5.00%			
	C 13.1.2.3	Supply of PEX (Polyethylene cross link) with Anti Oxygen Barrier Pipes	41.50%			
	C 13.1.2.4	Installation of Ground floor Level Radiant cooling system	3.00%			
	C 13.1.2.5	Installation of First floor Level Radiant cooling system	3.00%			
	C 13.1.2.6	Installation of Second floor Level Radiant cooling system	3.00%			
	C 13.1.2.7	Installation of Third floor Level Radiant cooling system	3.00%			
	C 13.1.2.8	Installation of Fourth floor Level Radiant cooling system	3.00%			
	C 13.1.2.9	Installation of Fifth floor Level Radiant cooling system	3.00%			
	C 13.1.2.10	Installation of Sixth floor Level Radiant cooling system	3.00%			
	C 13.1.2.11	Testing & Commissioning of Ground floor Level Radiant cooling system	2.50%			
	C 13.1.2.12	Testing & Commissioning of First floor Level Radiant cooling system	2.50%			
	C 13.1.2.13	Testing & Commissioning of Second floor Level Radiant cooling system	2.50%			
	C 13.1.2.14	Testing & Commissioning of Third floor Level Radiant cooling system	2.50%			
	C 13.1.2.15	Testing & Commissioning of Fourth floor Level Radiant cooling system	2.50%			

	C 13.1.2.16	Testing & Commissioning of Fifth floor Level Radiant cooling system	2.50%	
	C 13.1.2.17	Testing & Commissioning of Sixth floor Level Radiant cooling system	2.50%	
C 13.1.3		ver the Building level Radiant Cooling system As-Built drawings (Soft & Hard Copy)	(Low Side)	2.00%
C 13.1.4	1	y execution of Seasonal test and submission of as required	related test	2.00%
				100.00%

<u>Sub-head D 1: Payment percentage breakup for RCC Precast Faculty Housing Tower (G+12)</u>
<u>framed structure and finishing's: -</u>

(For intermittent payments, Pro-rata payment will be released on percentage basis on achievement of physical work)

SI. No.		Stage of activity	Breakup of % of Item Contract Value	% of Item Contract Value
D 1.1		, Detailed Design & Approval from third party nd approval of the same by the Engineer-In-		1,00%
	D 1.1.1	On approval of All Architectural Drawings by Engineer in Charge and filing application and obtaining approval for Building Occupancy Certificate (OC), fire NOC and any other, mandatory local body approvals as may be required.	0.30%	
	D 1.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	D 1.1.3	On approval of All MEP Drawings (except shop drawings) by Engineer in Charge.	0.40%	
D 1.2	Completi beams &	on of Foundation & plinth including grade slab.		20.00%
	D 1.2.1	Excavation in all types of Soil/rocks.	2.00%	
	D 1.2.2	On completion of PCC with Anti-termite Treatment	1.00%	
	D 1.2.3	On completion of Footing/rafts etc.	10.00%	
	D 1.2.4	On completion of back filling, plinth filling, plinth beams etc.	4.00%	
	D 1.2.5	Completion of grade slab (or) floor One	3.00%	
D 1.3		on of basic structure including precast panel treatment of all joints.		49.00%
	D 1.3.1	On Completion up to Floor two level	2.00%	
	D 1.3.2	On Completion up to Floor three level	3.50%	
	D 1.3.3	On Completion up to Floor four level	3.50%	
	D 1.3.4	On Completion up to Floor five level	3.50%	
	D 1.3.5	On Completion up to Floor Six level	3.50%	
	D 1.3.6	On Completion up to Floor Seven level	3.50%	
	D 1.3.7	On Completion up to Eight level	3.50%	

On Completion up to Ten level On Completion up to Eleven level On Completion up to Twelve level On Completion up to Twelve level On Completion up to Thirteen level On Completion up to Terrace/ fourteen level On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness of finishing works i.e., Toilet ing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the	3.50% 3.50% 3.50% 3.50% 3.50% 4.50%	28.00%
On Completion up to Eleven level On Completion up to Twelve level On Completion up to Thirteen level On Completion up to Terrace/ fourteen level On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness on of finishing works i.e., Toilet ing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc.	3.50% 3.50% 3.50% 3.50% 0.50%	28.00%
On Completion up to Twelve level On Completion up to Thirteen level On Completion up to Terrace/ fourteen level On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness of finishing works i.e., Toilet ing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc.	3.50% 3.50% 3.50% 0.50%	28.00%
On Completion up to Thirteen level On Completion up to Terrace/ fourteen level On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness of finishing works i.e., Toilet ing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc.	3.50% 3.50% 0.50%	28.00%
On Completion up to Terrace/ fourteen level On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness of finishing works i.e., Toilet fing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc.	3.50% 0.50%	28.00%
On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness of finishing works i.e., Toilet fing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc.	0.50%	28.00%
Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness of finishing works i.e., Toilet ing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc.		28.00%
lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness of finishing works i.e., Toilet fing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc.	4.50%	28.00%
ing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc.		28.00%
floors including stilt flooring etc.		(A)
building and kitchen platforms and dadoing in wet areas including stilt floor as per the	3.00%	
On completion of flooring in all corridors and common areas with skirting.	1.50%	
On completion of waterproofing, flooring	3.00%	
On completion of staircase mid-ladings, riser and treads including skirting	3.00%	
Fixing of all types doors & windows with MS Grills as per the approved drawing		
On completion of procurement of material	3.00%	
On completion of Installation including Granite sills and jams as per approved drawing.	3.00%	
On completion of hardware and fixtures	1.00%	
Painting (Internal & External) i/c putty		
On completion of internal painting	3.50%	
On completion of external painting	3.50%	
Other work:		
]	approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing On completion of procurement of material On completion of Installation including Granite sills and jams as per approved drawing. On completion of hardware and fixtures Painting (Internal & External) i/c putty and texture as per the approved drawing On completion of internal painting On completion of external painting	approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing On completion of procurement of material On completion of Installation including Granite sills and jams as per approved drawing. On completion of hardware and fixtures Painting (Internal & External) i/c putty and texture as per the approved drawing On completion of internal painting 3.50% On completion of external painting 3.50%

		100.00%
drawing, handing over of buildings and closing of agreement		2.00%
y post-construction clearances, licenses and		
external walls n of completion certificate of the building,		
Thermal insulation to all room of the flats	2.00%	
entrance ramp etc. as per the approved drawings.		
in all staircase area, Balconies with glass &		
rooms of the flats at 12 th floor, SS railings	1.50%	
		All other works such as false ceiling to the rooms of the flats at 12 th floor, SS railings

Su-head D 2: Payment percentage breakup for Internal water supply and sanitary installation, Civil External Service Connections, External Sewerage, Distribution lines upto 100 mm dia, Unfiltered water supply distribution lines upto 100mm dia, Storm water drains: -

(For intermittent payments, Pro-rata payment will be released per running metre basis on achievement of physical work)

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
D 2.1	Planning, In-Charge	Detailed Design and approval of the same by the Engineer.		1.00%
D 2.2	_	pletion of all internal sanitary pipelines installations, ply works and rain water pipes, etc. complete as per the s of EIC.		77.00%
	D 2.2.1	Procurement of all category of pipes, fixtures and fittings	10.00%	
	D 2.2.2	Laying of pipe lines in desired locations as per the approved drawings by EIC.	15.00%	5
	D 2.2.3	Testing & Commissioning of Water supply lines	5.00%	
	D 2.2.4	Procurement of sanitary installations for complete building as per the approved make and as approved by EIC	20.00%	
	D 2.2.5	Fixing of sanitary installations in desired locations as per the approved drawings by EIC.	25.00%	
	D 2.2.6	Testing & Commissioning of sanitary installations complete as per the directions of EIC.	2.00%	
D 2.3		nal water supply works and connections complete as perions of EIC.		10.00%
	D 2.3.1	On supply of pipes etc.	5.00%	
	D 2.3.2	On installation of equipment and laying of pipes, valves, inspection chambers, etc.	3.00%	
	D 2.3.3	On successful testing of equipment after installation	1.00%	
	D 2.3.4	After satisfactory commissioning	1.00%	
D 2.4	External directions			3.50%
	D 2.4.1	On supply of pipes etc.	1.50%	
	D 2.4.2	On laying of pipes including manholes, etc.	1.00%	
	D 2.4.3	On successful testing of the network	0.50%	

	D 2.4.4	After satisfactory commissioning	0.50%	
D 2.5		etion of Distribution lines upto 100 mm dia complete as per ons of EIC.		0.40%
D 2.6		etion of Unfiltered water supply distribution lines upto a complete as per the directions of EIC.		0.40%
D 2.7	Storm wa	ter drains complete as per the directions of EIC.		7.70%
	D 2.7.1	After providing bottom & side walls storm water drains complete	5.00%	
	D 2.7.2	Providing & placing covers including culverts wherever required.	1.50%	
	D 2.7.3	After successful testing	1.00%	
	D 2.7.4	On commissioning Completion Certificate and acceptance by the Engineer-in-charge.	0.20%	
		Total		100.00%

Sub-head D 3: Payment percentage breakup for construction of Underground sump:

SI. No.		Milestone	Breakup of % of Item	% of Item Contract
			Contract Value	Value
D 3.1	Detailed Charge.	Design and approval of the same by the Engineer-In-	1.00%	
	D 3.1.1	On approval of All Architectural Drawings by Engineer in Charge.	0.30%	
	D 3.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	D 3.1.3	On approval of All MEP Drawings including Proof Checking by third party.	0.40%	
D 3.2	Complet treatmen			22.00%
	D 3.2.1	soils/rocks		
	D 3.2.2	drawings by EIC	7.00%	
	D 3.2.3	On completion of bottom waterproofing treatment as per the approved methodology by EIC	8.00%	
D 3.3	Complet tile linin	ion of bottom raft, walls, internal waterproofing, ceramic g.	40.00%	
	D 3.3.1	On completion of bottom raft work as per the approved drawing	10.00%	
	D 3.3.2	On completion of walls	10.00%	
	D 3.3.3	On completion of Internal waterproofing	10.00%	
	D 3.3.4	On completion of ceramic tiles etc.,	10.00%	
D 3.4	Complet	ion of roof & external water proofing treatment.		20.00%
	D 3.4.1	On completion of roof concreting as per the approved drawings	10.00%	
	D 3.4.2	On completion of external waterproofing treatment as per the approved methodology by EIC	10.00%	
D 3.5	_	ion of external finishing works, plumbing and all other ed works complete		15.00%
	D 3.5.1	On completion of external finishing works as per the approved drawings		
	D 3.5.2	On completion of plumbing and all other associated works complete.		
		ion of completion certificate all statutory post-construction	1	
D 3.6	1	es and as-built drawing, handing over and successful of agreement.		2.00%
	3	Total		100.00%

Sub-head D 4: Payment percentage breakup for External Development like Levelling, Internal roads with WMM and Cement Concrete pavement with vacuum dewatered concrete, Footpath with PCC base, 60mm thick paver blocks and kerb stone edging on one side:

		700 VI	Breakup of % of	% of Iter
SI. No.		Milestone	Item Contract	Contract Value
			Value	Contract value
			value	
D 4 1	Planning	g, Detailed Design and approval of the same by the		
D 4.1	Enginee	r-In-Charge.		1.00%
D 4.2	On comi	pletion of Levelling as per the directions of EIC.		5.00%
Name Lance		or zerroming no per the directions of zic.		2.0070
D 4.3	On com	pletion of Cement Concrete pavement with vacuum		55.000/
D 4.3		ed concrete as per the directions of EIC.		55.00%
		or constant as per me uncontains of Erc.		
	D 4.3.1	On completion of Preparation of sub grade and	5.00%	
	D 4.3.1	WMM		
	D 4.3.2	On completion of laying of base concrete and kerb	18.50%	
	D 4.3.2			
	D 4.3.3	On completion of laying of Dewatered Vacuum	23.50%	
		Cement Concrete		£7
	D 4.3.4	On completion of providing & filling of grooves,	8.00%	
	D 4.3.4	Road marking, Signage, kerbstone, Completion		
		Certificate and acceptance by the Engineer-in-		
		charge.		
D 4.4	On comp	pletion of Footpath with PCC base, 60mm thick paver		39.00%
		nd kerb stone edging on one side as per the directions		
	of EIC.			
	D 4.4.1	On completion of Preparation of sub grade	4.50%	
	D 4.4.2	On completion of laying of PCC Base	12.50%	
	D 4.4.3	On completion of laying of 60mm thick paver block	17.00%	
		and kerb stone edging on one side	17.00/0	
	D 4.4.4		5.00%	
		Signage, kerbstone, Completion Certificate and		
		acceptance by the Engineer-in- charge.		
		Total		100.00%
		Total		10

Sub-head D 5: Payment percentage breakup for Modular Furniture Work:

SI. No.	Milestone		% of Item	
51. 110.		lymestone	of Item Cont	
	Contract Value V		Value	
D 5.1		Detailed Design and approval of the same by the In-Charge.		1.00%
D 5.2	Approval of Shop drawings by Engineer – in-charge		1.00%	
D 5.3	SITC of Wardrobe	Modular furniture like Kitchen Unit, TV Unit and s.	96.009	
	D 5.3.1	On supply of total material required for installation of modular furniture work for all flats	60.00%	17
	D 5.3.2	On completion of carcass and approved by EIC for shutters and other works	18.00%	
	D 5.3.3	On completion of fixing of all shutters and Hardware as required to make the structure complete.	18.00%	
D 5.3	-	etion of filling of any gaps, alignments and Completion and acceptance by the Engineer-in-charge.		2.00%
		Total		100.00%

<u>Sub-head D 6: Payment percentage breakup for Hardscaping, Landscaping and Horticulture</u> <u>works</u>

(For intermittent payments, Pro-rata payment on achievement of physical work will be released)

SI. No.	Milestone	Breakup of % of Item	% of Item Contract Value	Remarks
D 6.1	Planning, Detailed Design and approval of the same by the Engineer-In-Charge.		1.00%	
D 6.2	Landscaping, Hardscaping, and Horticulture Works in complete shape.		75.00%	
D 6.3	For 6 months Maintenance period after completion of building.		20.00%	
D 6.4	Completion Certificate and acceptance by the Engineer-in-charge.		4.00%	
	Total		100.00%	

Sl. No.	Des	cription of Sub-Component of Work	Breakup of % of Item Contract Value	% of Item Contract Value
internal el	ectrification	ent percentage breakup for Internal Elecon installations, UPS System, Illuminated and Foot Path Lighting etc.		
D 7.1	Bodies as	, Detailed Design, Engineering & Approval and approval of the same by the Engineer-In-	Charge.	1.00%
D 7.2		installation, Testing and Commissioning of I ion Boards, MCCB, RCCB, ELCB, RCBO,		11.00%
	D 7.2.1	Supply of L T Panels, SDBs	4.00%	
	D 7.2.2	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground Floor to 6 th Floor	2.00%	
	D 7.2.3	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 07 th Floor to Terrace	2.00%	
	D 7.2.4	Installation of LT Panels, SDB	0.50%	
	D 7.2.5	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground Floor to 6 th Floor	0.25%	
	D 7.2.6	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 7 th Floor to Terrace	0.25%	
	D 7.2.7	Testing and Commissioning of LT Panels, SDB	1.00%	
	D 7.2.8	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground to 6 th Floor	0.50%	
	D 7.2.9	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 7 th Floor to Terrace	0.50%	
D 7.3	Supply, I Cables	Laying, end termination, Testing & commiss	sioning of LT	15.00%
	D 7.3.1	Supply of Suitable Size LT Cables	10.00%	•
	D 7.3.2	Laying & end termination of LT Cables	2.00%	
	D 7.3.3	Testing & commissioning of LT Cables Installation, Testing and Commissioning of	3.00%	
D 7.4		vith 30 min backup	IOKVA UFS	0.50%
	D 7.4.1	Supply of 10KVA UPS System with 30 min backup	0.40%)
	D 7.4.2	Installation, Testing and Commissioning of 10KVA UPS System with 30 min backup	0.10%	
D 7.5		installation, testing and commissioning of In of various rating & types including staircase		15.00%
	D 7.5.1	Supply of Indoor LED Light Fixtures of various rating & types including staircase	5.00%	

		and common area lighting from Ground		
		floor to 6 th floor		
	D 7.5.2	Supply of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th floor to Terrace	5.00%	
	D 7.5.3	Installation, Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground Floor to 6 th Floor	1.50%	
	D 7.5.4	Installation, Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th Floor to Terrace	1.50%	
	D 7.5.5	Testing and Commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground Floor to 6 th Floor	1.00%	
	D 7.5.6	Testing and Commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th Floor to Terrace	1.00%	
D 7.6		nstallation, testing and commissioning of eiling fans & BLDC Exhaust fans		5.00%
	D 7.6.1	Supply of BLDC Ceiling Fans and BLDC Exhaust Fans from Ground floor to 6 th floor	1.50%	
	D 7.6.2	Supply of BLDC Ceiling Fans and BLDC Exhaust Fans from 7 th floor to 12 th floor	1.50%	
	D 7.6.3	Installation of BLDC Ceiling fan and BLDC Exhaust Fans from Ground Floor to 6 th Floor	0.50%	
	D 7.6.4	Installation of BLDC Ceiling fan and BLDC Exhaust Fans from 6 th Floor to 12 th Floor	0.50%	
	D 7.6.5	Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans	0.50%	
	D 7.6.6	Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans	0.50%	
D 7.7	Modular	nd installation, Testing & Commissioning of Plate, Modular Switches, Modular Sockets, cs Regulators, USB Socket, TV Sockets and	Modular	20.00%
	D 7.7.1	Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground floor to 6 th floor	6.50%	
	D 7.7.2	Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 7 th floor to terrace	6.50%	
	D 7.7.3	Installation of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground Floor to 6 th Floor	2.50%	
	D 7.7.4	Installation of Modular Box, Modular	2.50%	

D 7.11.3	Testing and Commissioning of Electric Geysers from Gnd. to 12 th Supply, installation, testing and connecting the Lightning Protecti		%
D 7.11.2	Installation of Electric Geysers from Gnd. to 12th Floor	0.50	%
D 7.11.1	25ltrs. Capacity Electric water heaters (Geysers) Supply of Electric Geysers for Gnd. to 12 th Floor	0.50	
D 7.11	Illuminated Signages Supply, installation, testing and commissioning of Horizontal Type	1.00% De 1.00	10%
	D 7.10.2 lights, Street Lights, Illuminated Signages Testing and commissioning of Post top	1.00%	
	Bollard lights, Illuminated Signages Installation of Post top Lights & Pollard	3.00%	
D 7.10	Supply, Installation, Testing and Commissioning of Street Lights Post Top Lights & Bollard Lights & Illuminated Signages	& 5.00	0/0
	Testing and Commissioning of Power D 7.9.4 Distribution System from 7 th floor to terrace	1.50%	
	6 th floor	1.50%	
	D 7.9.2 Supply & Drawing of Power Distribution System from 7 th Floor to Terrace	3.50%	
	Supply & Drawing of Power Distribution	3.50%	
D 7.9	Supply, Drawing, Testing and Commissioning of Power Distribut System	ion 10.0 0	0%
	D 7.8.4 Wiring from Ground floor to 6 th floor Testing and Commissioning of Point Wiring from 7 th floor to terrace	1.50%	
	7 Floor to 1 errace Testing and Commissioning of Point	1.50%	
	Supply & Drawing of Point Wiring from	3.50%	
	D 7 8 1 Supply & Drawing of Point Wiring from	3.50%	7/0
D 7.8	Supply & Drawing Testing and Commissioning of Point Wiring	10.00	
	Regulators and LAN Ports 7 th floor to	1.00%	
	Testing & Commissioning of Modular Box, Modular Plate, Modular Switches, D 7.7.5 Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground floor to 6 th floor	1.00%	s:
	Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 7 th to Terrace		

D 0 1	Planning, l	om Statutory		
D 8.1		l approval of the same by the Engineer-In-Ch		1.00%
D 8.2		Installation, Testing and Commissioning of N		35.00%
	D 8.2.1	Supply, Augmentation & Installation of M V Panels at Substation	25.00%	
	D 8.2.2	Testing and Commissioning of M V Panels at Substation	10.00%	
D 8.3	Supply, La Cables	ying, end termination, Testing & Commission	oning of LT	50.00%
	D 8.3.1	Supply of Suitable Size LT Cables	25.00%	
	D 8.3.2	Laying of LT Cables	15.00%	
	D 8.3.3	End termination, Testing & Commissioning of LT Cables	10.00%	
D 8.4	Supply, Installation, Testing and Commissioning of 82.5 KVA Diesel Generating System with Acoustic Enclosure and AMF Panel		10.00%	
7417	D 8.4.1	Supply of 82.5 KVA Diesel Generating System with Acoustic Enclosure and AMF Panel	6.00%	
	D 8.4.2	Installation of 82.5 KVA Diesel Generating System with Acoustic Enclosure and AMF Panel	2.00%	1990 2
	D 8.4.3	Testing and Commissioning of 82.5 KVA Diesel Generating System with Acoustic Enclosure and AMF Panel	2.00%	
D 8.5	Supply, installation, testing and connecting the Earthing system to the Electrical distribution system at Building level.		2.00%	
D 8.6	Commissioning and Handing over the As-Built Drawings (soft & Hard Copies)		gs (soft & Hard	2.00%
				100.00%

	D 9) Payn			
D 9.1	Planning, Detailed Design, Engineering & Approval from Statutory Bodies and approval of the same by the Engineer-In-Charge.			1.00%
D 9.2		stallation, Testing & Commissioning of 20 senger lift-2 with Completion of Third Party		95.00%
	D 9.2.1	Supply and proper storage of 20 Passengers Lift-1 with spares, Control panel, etc. at Site	30.00%	
	D 9.2.2	Supply and proper storage of 20 Passengers Lift-2 with spares, Control panel, etc. at Site	30.00%	
	D 9.2.3	Installation 20 Passenger Lift-1	10.00%	
	D 9.2.4	Testing & Commissioning of 20 Passenger Lift-1 & Completion of Third Party Inspection	8.00%	
	D 9.2.5	Installation of 20 Passenger Lift-2	10.00%	
	D 9.2.6	Testing & Commissioning of 20 Passenger Lift-2 & Completion of Third Party Inspection	7.00%	
D 9.3		over the 20 passenger Lift-1 in all respects all (soft & Hard Copies)	ong with As-Built	2.00%
D 9.4	Handing over the 20 passenger Lift-2 in all respects along with As-Built Drawings (soft & Hard Copies)		2.00%	
				100.00%

	ad D 10) Payment percentage breakup for Fire Fighting System, atic Fire Alarm System, Fire Extinguishers & water supply			
			sets	ump se
1.00%		Planning, Detailed Design, Engineering as per the NBC 2016 Code & Approval from Statutory Bodies and approval of the same by the Engineer-In-Charge.		D 10.1
65.00%	Supply, Installation, Testing and Commissioning of Fire Hydrant, Fire		D 10.2	
	45.00%	Supply of Fire Fighting pumps, Wet Riser piping, Sprinklers and Yard Hydrant etc. as per the Approved Drawings/Take off Sheets	D 10.2.1	
	10.00%	Installation Fire Fighting pumps, Wet Riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	D 10.2.2	
	10.00%	Testing & Commissioning complete Fire Fighting system including Fire Fighting Pumps, Wet riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	D 10.2.3	
28.00%	Supply, Installation, Testing and Commissioning of Automatic Addressable Fire Alarm System		D 10.3	
	15.00%	Supply of Automatic Fire Alarm Systems and cables as per the Approved Drawings	D 10.3.1	
	8.00%	Laying of cables and Installation of Automatic Fire alarm system	D 10.3.2	
	5.00%	Testing and Commissioning of Automatic Fire alarm System	D 10.3.3	
1.00%	ited locations as	installation of Fire Extinguishers at designators oved Drawing by Engineer-In-Charge		D 10.4
3.00%	Water supply rol panel at UG	tallation, Testing and Commissioning of the g with Starter and Automatic electrical com p at Ground of the Building	pumps alon	D 10.5
	2.00%	Supply of Water supply pumps along with Starter and Automatic electrical control panel	D 10.5.1	
	1.00%	Installation, Testing and Commissioning of the Water supply pumps along with Starter and Automatic electrical control panel at UG Water Sump at Ground of the Building	D 10.5.2	
2.00%		er the Fire Fighting System, Automatic Fighting System along with NOC from the Local awing (Soft & Hard Copy)	Water pump	D 10.6
100.00%				

	D 11) Payn elephone, D	nent percentage breakup for LAN, Wi-Fi	and Networking	
D 11.1	Planning, D Engineer-In	Detailed Design Engineering and approval of a-Charge.	the same by the	1.00%
D 11.2	comprising Modules, W	Supplying, Installation, Testing and Commissioning of LAN System comprising of core switches and L2 switches with 10G, 10 Giga SFP Modules, Wi-Fi access points, Wi-Fi controller, Network Management Software, Racks, CAT 6A Cable, patch panels, OFC etc.		
	D 11.2.1	Supply of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	70.00%	
	D 11.2.2	Installation of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	15.00%	
	D 11.2.3	Supply & Laying of LAN Cables/Tele Phone Cables/ Fiber Optics Cables/ Dish TV Cables	7.00%	
	D 11.2.4	Testing and Commissioning of LAN, Wi-Fi Network, Telephone and Dish TV Cabling	5.00%	
D 11.3		Handing over the LAN, Wi-Fi, Networking System, Telephone and Dish TV Network along with As-Built Drawing (Soft & Hard Copy)		
				100.00%

Annexure D 12

D 12.1	Planning, D Engineer-In	Detailed Design, Engineering and approval of a-Charge.	f the same by the	1.00%
D 12.2	shaft pressu	tallation, Testing and Commissioning of Staurization system as per NBC 2016, CPWD State Disaster Response and Fire Services de	pecification and	95.00%
	D 12.2.1	Supplying of stairways and lift shaft pressurization System	70.00%	
	D 12.2.2	Installation of stairways and lift shaft pressurization System	15.00%	
	D 12.2.3	Testing and Commissioning of Stairways and lift shaft pressurization system	10.00%	
D 12.3	Handing over the Stairways and lift shaft pressurization system along with As-Built drawings (Soft & Hard Copy)			4.00%
				100.00%

<u>Sub-head E 1: Payment percentage breakup for RCC Precast Faculty Housing Tower (G+12)</u>
<u>framed structure and finishing's: -</u>

(For intermittent payments, Pro-rata payment will be released on percentage basis on achievement of physical work)

SI.		Stage of activity	Breakup of % of Item Contract Value	% of Item Contract Value
E 1.1		Detailed Design & Approval from third party and approval of the same by the Engineer-In-		1.00%
	E 1.1.1	On approval of All Architectural Drawings by Engineer in Charge and filing application and obtaining approval for Building Occupancy Certificate (OC), fire NOC and any other, mandatory local body approvals as may be required.	0.30%	
- 3	E 1.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	E 1.1.3	On approval of All MEP Drawings (except shop drawings) by Engineer in Charge.	0.40%	
E 1.2	Completi beams &	on of Foundation & plinth including grade slab.		20.00%
	E 1.2.1	Excavation in all types of Soil/rocks.	2.00%	
	E 1.2.2	On completion of PCC with Anti-termite Treatment	1.00%	
	E 1.2.3	On completion of Footing/rafts etc.	10.00%	
	E 1.2.4	On completion of back filling, plinth filling, plinth beams etc.	4.00%	
	E 1.2.5	Completion of grade slab (or) floor One	3.00%	
E 1.3	1	on of basic structure including precast panel treatment of all joints.		49.00%
		On Completion up to Floor two level	2.00%	
	E 1.3.2	On Completion up to Floor three level	3.50%	
	E 1.3.3	On Completion up to Floor four level	3.50%	
	E 1.3.4	On Completion up to Floor five level	3.50%	
	E 1.3.5	On Completion up to Floor Six level	3.50%	
	E 1.3.6	On Completion up to Floor Seven level	3.50%	

]	E 1.3.7	On Completion up to Eight level	3.50%	
]	E 1.3.8	On Completion up to Nine level	3.50%	
]	E 1.3.9	On Completion up to Ten level	3.50%	
E	E 1.3.10	On Completion up to Eleven level	3.50%	
E	∃ 1.3.11	On Completion up to Twelve level	3.50%	
E	∃ 1.3.12	On Completion up to Thirteen level	3.50%	
E	E 1.3.13	On Completion up to Terrace/ fourteen level	3.50%	
F	E 1.3.14	On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings	0.50%	
E	E 1.3.15	On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness	4.50%	
E 1 4 Wa	_	on of finishing works i.e., Toilet fing, flooring, fixing of doors & windows, exterior painting etc.		28.00%
		parama parama successive parama param		
		All type of Flooring, skirting, dado in all floors including stilt flooring etc.		
	E 1.4.1	All type of Flooring, skirting, dado in all	3.00%	
F		All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the	3.00%	
F	E 1.4.1	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors		
F	E 1.4.1	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting.	1.50%	
F	E 1.4.1 E 1.4.2 E 1.4.3	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings,	1.50% 3.00%	
F F	E 1.4.1 E 1.4.2 E 1.4.3	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with	1.50% 3.00%	
F F	E 1.4.1 E 1.4.2 E 1.4.3 E 1.4.4	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing	1.50% 3.00% 3.00%	
F F	E 1.4.1 E 1.4.2 E 1.4.3 E 1.4.4	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing On completion of procurement of material On completion of Installation including Granite sills and jams as per approved	3.00% 3.00% 3.00%	
F F	E 1.4.1 E 1.4.2 E 1.4.3 E 1.4.4 E 1.4.5 E 1.4.6	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing On completion of Installation including Granite sills and jams as per approved drawing.	3.00% 3.00% 3.00% 3.00%	
F F F	E 1.4.1 E 1.4.2 E 1.4.3 E 1.4.4 E 1.4.5 E 1.4.6	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing On completion of procurement of material On completion of Installation including Granite sills and jams as per approved drawing. On completion of hardware and fixtures Painting (Internal & External) i/c putty	3.00% 3.00% 3.00% 3.00%	

		Other work:		
	E 1.4.10	All other works such as false ceiling to the		
		rooms of the flats at 12 th floor, SS railings in	1.50%	
		all staircase area, Balconies with glass &		
		entrance ramp etc. as per the approved	12	
		drawings.		
	E 1.4.11	Thermal insulation to all room of the flats	2.00%	
		external walls		
	Submission	on of completion certificate of the building,		
	all statuto	ry post-construction clearances, licenses and		
E 1.5	as- built drawing, handing over of buildings and			2.00%
	successful	closing of agreement		
		Total		100.00%

<u>Sub-head E 2: Payment percentage breakup for Internal water supply and sanitary installation, Civil External Service Connections, External Sewerage, Distribution lines upto 100 mm dia, Unfiltered water supply distribution lines upto 100mm dia, Storm water drains: -</u>

(For intermittent payments, Pro-rata payment will be released per running metre basis on achievement of physical work)

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
E 2.1	Detailed I	Design and approval of the same by the Engineer-In-Charge.		1.00%
E 2.2		letion of all internal sanitary pipelines installations, water orks and rain water pipes, etc. complete as per the directions		77.00%
	E 2.2.1	Procurement of all category of pipes, fixtures and fittings	10.00%	
	E 2.2.2	Laying of pipe lines in desired locations as per the approved drawings by EIC.	15.00%	
	E 2.2.3	Testing & Commissioning of Water supply lines	5.00%	
	E 2.2.4	Procurement of sanitary installations for complete building as per the approved make and as approved by EIC	20.00%	
	E 2.2.5	Fixing of sanitary installations in desired locations as per the approved drawings by EIC.	25.00%	
	E 2.2.6	Testing & Commissioning of sanitary installations complete as per the directions of EIC.	2.00%	
E 2.3	All Extern	nal water supply works and connections complete as per the of EIC.		10.00%
	E 2.3.1	On supply of pipes etc.	5.00%	17 10
	E 2.3.2	On installation of equipment and laying of pipes, valves, inspection chambers, etc.	3.00%	
	E 2.3.3	On successful testing of equipment after installation	1.00%	
	E 2.3.4	After satisfactory commissioning	1.00%	
E 2.4	External S of EIC.	Sewerage system connections complete as per the directions		3.50%
	E 2.4.1	On supply of pipes etc.	1.50%	
	E 2.4.2	On laying of pipes including manholes, etc.	1.00%	
	E 2.4.3	On successful testing of the network	0.50%	

	E 2.4.4	After satisfactory commissioning	0.50%	
E 2.5	1	etion of Distribution lines upto 100 mm dia complete as per ons of EIC.		0.40%
E 2.6		letion of Unfiltered water supply distribution lines upto a complete as per the directions of EIC.		0.40%
E 2.7	Storm wat	er drains complete as per the directions of EIC.		7.70%
	E 2.7.1	After providing bottom & side walls storm water drains complete	5.00%	
	E 2.7.2	Providing & placing covers including culverts wherever required.	1.50%	
	E 2.7.3	After successful testing	1.00%	
	E 2.7.4	On commissioning Completion Certificate and acceptance by the Engineer-in-charge.	0.20%	
		Total		100.00%

Sub-head E 3: Payment percentage breakup for construction of Underground sump:

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
E 3.1		g, Detailed Design and approval of the same by the r-In-Charge.		1.00%
	E 3.1.1	On approval of All Architectural Drawings by Engineer in Charge.	0.30%	-
	E 3.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	E 3.1.3	On approval of All MEP Drawings including Proof Checking by third party.	0.40%	
E 3.2	Complet treatmen	ion of Excavation, bed concrete and bottom water proofing t		22.00%
	E 3.2.1	On completion of excavation work in all types of soils/rocks	7.00%	
	E 3.2.2	On completion of bed concrete as per the approved drawings by EIC	7.00%	
	E 3.2.3	the approved methodology by EIC	8.00%	
E 3.3	Complet tile lining	ion of bottom raft, walls, internal waterproofing, ceramic g.		40.00%
	E 3.3.1	On completion of bottom raft work as per the approved drawing	10.00%	
	E 3.3.2	On completion of walls	10.00%	
	E 3.3.3	On completion of Internal waterproofing	10.00%	
	E 3.3.4	On completion of ceramic tiles etc.,	10.00%	
E 3.4	Complet	ion of roof & external water proofing treatment.	4	20.00%
	E 3.4.1	On completion of roof concreting as per the approved drawings	10.00%	
	E 3.4.2	On completion of external waterproofing treatment as per the approved methodology by EIC	10.00%	
E 3.5		ion of external finishing works, plumbing and all other ed works complete		15.00%
	E 3.5.1	On completion of external finishing works as per the approved drawings	7.50%	
	E 3.5.2	On completion of plumbing and all other associated works complete.	7.50%	
E 3.6		Submission of completion certificate all statutory post- construction clearances and as-built drawing, handing over and successful closing of agreement.		2.00%
		Total		100.00%

Sub-head E 4: Payment percentage breakup for External Development like Levelling, Internal roads with WMM and Cement Concrete payement with vacuum dewatered concrete, Footpath with PCC base, 60mm thick payer blocks and kerb stone edging on one side, Children Play Area and Granite Benches:

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Iter Contract Value
E 4.1	_	Detailed Design and approval of the same by the In-Charge.		1.00%
E 4.2	On compl	etion of Levelling as per the directions of EIC.		3.75%
E 4.3	1	letion of Cement Concrete pavement with vacuum concrete as per the directions of EIC.		46.25%
	E 4.3.1	On completion of Preparation of sub grade	4.50%	
	E 4.3.2	On completion of laying of base concrete and kerb	15.50%	
	E 4.3.3	On completion of laying of Dewatered Vacuum Cement Concrete	19.50%	
de.	E 4.3.4	On completion of providing & filling of grooves, Road marking, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-incharge.	6.75%	
E 4.4	-	letion of Footpath with PCC base, 60mm thick paver d kerb stone edging on one side as per the directions of		33.50%
	E 4.4.1	On completion of Preparation of sub grade	4.00%	
	E 4.4.2	On completion of laying of PCC Base	11.00%	
	E 4.4.3	On completion of laying of 60mm thick paver block and kerb stone edging on one side	14.00%	
26	E 4.4.4	On completion of providing & filling of gaps, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-in- charge.	4.50%	
E 4.5	Children EIC.	Play Area and Granite Benches as per the directions of		15.50%
	E 4.5.1	On completion of Sub base and PCC Flooring	3.00%	
	E 4.5.2	On completion of 30mm thick EPDM Flooring as per the approved drawing and design	6.50%	
	E 4.5.3	On completion of supply and installation of children playing equipment as per the approved design and drawing by EIC.	5.00%	
9	E 4.5.4	On completion of supply and installation of Granite Benches as per the approved drawing.	1.00%	
		Total		100.00%

Sub-head E 5: Payment percentage breakup for Modular Furniture Work:

				SES 022
SI. No.		Milestone	Breakup of % of Item	% of Iten Contract Value
			Contract Value	
E 5.1		g, Detailed Design and approval of the same by the r-In-Charge.		1.00%
E 5.2	Approval of Shop drawings by Engineer – in-charge		1.00%	
E 5.3	SITC of Modular furniture like Kitchen Unit, TV U Wardrobes.			96.00%
	E 5.3.1	On supply of total material required for installation of modular furniture work for all flats	60.00%	
	E 5.3.2	On completion of carcass and approved by EIC for shutters and other works	18.00%	
	E 5.3.3	On completion of fixing of all shutters and Hardware as required to make the structure complete.	18.00%	
E 5.4		On completion of filling of any gaps, alignments and Completion Certificate and acceptance by the Engineer-in- charge.		2.00%
		Total		100.00%
	4			

Sub-head E 6: Schedule of Payment for Hardscaping, Landscaping and Horticulture works

(For intermittent payments, Pro-rata payment on achievement of physical work will be released)

SI. No.	Milestone	Breakup of % of Item	% of Item Contract Value	Remarks
E 6.1	Planning, Detailed Design and approval of the same by the Engineer-In-Charge.		1.00%	
E 6.2	Landscaping, Hardscaping, and Horticulture Works in complete shape.		75.00%	
E 6.3	For 6 months Maintenance period after completion of building.		20.00%	
E 6.4	Completion Certificate and acceptance by the Engineer-in-charge.		4.00%	
	Total		100.00%	

Sl. No.	Des	scription of Sub-Component of Work	Breakup of % of Item Contract Value	% of Item Contract Value
		nent percentage breakup for Internal Elec		
internal ele lighting, co	ctrificati mpound	on installations, UPS System, Illuminated and Foot Path Lighting etc.	Signages, street	
E 7.1	Planning Detailed Design Engineering & Americal from Statutory			
E 7.2	Supply,	LT Panels, SDB, MCB's etc.,	11.00%	
	E 7.2.1	Supply of L T Panels, SDB	4.00%	
	E 7.2.2	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains From Ground Floor to 6 th Floor		
	E 7.2.3	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 07 th Floor to Terrace	2.00%	
	E 7.2.4	Installation of LT Panels, SDB	0.50%	
	E 7.2.5	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground Floor to 6 th Floor	0.25%	
	E 7.2.6	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 7 th Floor to Terrace	0.25%	
	E 7.2.7	Testing and Commissioning of LT Panels, SDB	1.00%	ii
	E 7.2.8	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground to 6 th Floor	0.50%	
	E 7.2.9	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 7 th Floor to Terrace	0.50%	
E 7.3	Supply, l Cables	15.00%		
	E 7.3.1	Supply of Suitable Size LT Cables	10.00%	•
	E 7.3.2	Laying & end termination of LT Cables	2.00%	
	E 7.3.3	Testing & commissioning of LT Cables	3.00%	
E 7.4	Supply, I	nstallation, Testing and Commissioning of U	JPS System	0.50%
	E 7.4.1	Supply of UPS System	0.40%	
	E 7.4.2	Installation, Testing and Commissioning of UPS System	0.10%	
	Supply, i Fixtures lighting	nstallation, testing and commissioning of In of various rating & types including staircase	door LED Light and common area	15.00%

	E 7.5.1	Supply of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground floor to 6 th floor	5.00%	
	E 7.5.2	Supply of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th floor to Terrace	5.00%	
	E 7.5.3	Installation, Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground Floor to 6 th Floor	1.50%	
	E 7.5.4	Installation, Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th Floor to Terrace	1.50%	
	E 7.5.5	Testing and Commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground Floor to 6 th Floor	1.00%	
	E 7.5.6	Testing and Commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th Floor to Terrace	1.00%	
E 7.6		installation, testing and commissioning of eiling fans & BLDC Exhaust fans		5.00%
	E 7.6.1	Supply of BLDC Ceiling Fans and BLDC Exhaust Fans from Ground floor to 6 th floor	1.50%	
	E 7.6.2	Supply of BLDC Ceiling Fans and BLDC Exhaust Fans from 7 th floor to 12 th floor	1.50%	
	E 7.6.3	Installation of BLDC Ceiling fan and BLDC Exhaust Fans from Ground Floor to 6 th Floor	1,000 100000000000000000000000000000000	
	E 7.6.4	Installation of BLDC Ceiling fan and BLDC Exhaust Fans from 6 th Floor to 12 th Floor		
	E 7.6.5	Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans	0.50%	
	E 7.6.6	Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans	0.50%	
E 7.7	Modular	and installation, Testing & Commissioning Plate, Modular Switches, Modular S ics Regulators, USB Socket, TV Sockets and	Sockets, Modular	
	E 7.7.1	Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground floor to 6 th floor	6 50%	
	E 7.7.2	Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 7 th floor to terrace	6.50%	

	E 7.11.1	Supply of Electric Geysers from Gnd. to 12 th Floor	1.00%	
E 7.11		nstallation, testing and commissioning of Hopacity Electric water heaters (Geysers)	orizontal Type	2.00%
	E 7.10.3	Testing and commissioning of Post top Lights & Bollard lights, Street Lights, Illuminated Signage's	1.00%	
	E 7.10.2	Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signage's	1.00%	
	E 7.10.1	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signage's	3.00%	
E 7.10		nstallation, Testing and Commissioning of S Lights & Bollard Lights & Illuminated Sign		5.00%
	E 7.9.4	Testing and Commissioning of Power Distribution System from 7 th floor to terrace	1.50%	
	E 7.9.3	Testing and Commissioning of Power Distribution System from Ground floor to 6 th floor	1.50%	
	E 7.9.2	Supply & Drawing of Power Distribution System from 7 th Floor to Terrace	3.50%	
	E 7.9.1	Supply & Drawing of Power Distribution System from Ground Floor to 6 th Floor	3.50%	
E 7.9	Supply, Drawing, Testing and Commissioning of Power Distribution System			10.00%
	E 7.8.4	Testing and Commissioning of Point Wiring from 7th floor to terrace	1.50%	
	E 7.8.3	Testing and Commissioning of Point Wiring from Ground floor to 6 th floor	1.50%	
	E 7.8.2	Supply & Drawing of Point Wiring from 7 th Floor to Terrace	3.50%	
	E 7.8.1	Supply & Drawing of Point Wiring from Ground Floor to 6 th Floor	3.50%	
E 7.8	Supply &	Drawing Testing and Commissioning of P	oint Wiring	10.00%
	E 7.7.6	Testing & Commissioning of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports 7 th floor to terrace	1.00%	
	E 7.7.5	Testing & Commissioning of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground floor to 6 th floor	1.00%	9
	E 7.7.4	Installation of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 7 th to Terrace	2.50%	
	E 7.7.3	Installation of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground Floor to 6 th Floor	2 500/	

	E 7.11.2 Installation of Electric Geysers from Gnd. to 12 th Floor	%
	E 7.11.3 Testing & Commissioning of Electric Geysers from Gnd. to 12 th Floor	%
E 7.12	Supply, installation, testing and connecting the Lightning Protection system along with Earthing system.	2.50%
E 7.13	Supply, installation, testing and connecting the Earthing system to the Electrical distribution system	1.50%
E 7.14	Commissioning and Handing over the As-Built Drawings (soft & Har Copies)	d 1.50%
		100%

E 8.1		Detailed Design, Engineering & Approval from the Approval of the same by the Engineer-In-Cha		1.00%
E 8.2	Supply of Substation	Installation, Testing and Commissioning of M	V Panels at	40.00%
	E 8.2.1	Supply, Augmentation & Installation of M V Panels at Substation	30.00%	
	E 8.2.2	Testing and Commissioning of M V Panels at Substation	10.00%	
E 8.3	Supply, Laying, end termination, Testing & Commissioning of LT Cables			55.00%
	E 8.3.1	Supply of Suitable Size LT Cables	35.00%	
	E 8.3.2	Laying and end termination of LT Cables	10.00%	
	E 8.3.3	Testing & Commissioning of LT Cables	10.00%	
E 8.4		stallation, testing and connecting the Earthing distribution system	system to the	2.00%
E 8.5	Commissioning and Handing over the As-Built Drawings (soft & Hard Copies)		s (soft & Hard	2.00%
				100.00%

	IE 9) Payn ioning of I	nent percentage breakup for Supply, Instal .ifts:	llation, Testing &	
E 9.1	-	Detailed Design, Engineering & Approval from the Approval of the same by the Engineer-In-Ch	75.1	1.00%
E 9.2	A A -	stallation, Testing & Commissioning of 20 P ger lift-2 with Completion of Third Party Insp	_	95.00%
	E 9.2.1	Supply and proper storage of 20 Passengers Lift-1 with Spares, Control panel, etc. at Site	30.00%	
	E 9.2.2	Supply and proper storage of 20 Passengers Lift-2 with Spares, Control panel, etc. at Site	30.00%	
	E 9.2.3	Installation 20 Passenger Lift -1	10.00%	
	E 9.2.4	Testing & Commissioning of 20 Passenger Lift-1& Completion of Third Party Inspection	8.00%	
	E 9.2.5	Installation of 20 Passenger Lift-2	10.00%	
	E 9.2.6	Testing & Commissioning of 20 Passenger Lift-2 & Completion of Third Party Inspection	7.00%	
E 9.3	-	over the 20 passenger Lift-1 in all respects ald (soft & Hard Copies)	ong with As-Built	2.00%
E 9.4	Handing over the 20 passenger Lift-2 in all respects along with As-Built Drawings (soft & Hard Copies)		2.00%	
			w)	100.00%

Sub-head Automat ets:	d E 10) Pay ic Fire Ala	ment percentage breakup for Fire Firm System, Fire Extinguishers & wat	ghtingSystem, er supply pump	
E 10.1		Detailed Design, Engineering as per the NBC rom Statutory Bodies and approval of the san-Charge.		1.00%
E 10.2		tallation, Testing and Commissioning of Fin Imps, Wet Riser and Sprinkler System.	re Hydrant, Fire	65.00%
	E 10.2.1	Supply of Fire Fighting pumps, Wet Riser piping, Sprinklers and Yard Hydrant etc. as per the Approved Drawings/Take off Sheets	45.00%	
	E 10.2.2	Installation Fire Fighting pumps, Wet Riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	10.00%	
	E 10.2.3	Testing & Commissioning complete Fire Fighting system including Fire Fighting Pumps, Wet riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	10.00%	
E 10.3		tallation, Testing and Commissioning of Au e Fire Alarm System	itomatic	28.00%
	E 10.3.1	Supply of Automatic Fire Alarm Systems and cables as per the Approved Drawings	15.00%	
	E 10.3.2	Laying of cables and Installation of Automatic Fire alarm system	8.00%	
	E 10.3.3	Testing and Commissioning of Automatic Fire alarm System	5.00%	
E 10.4		installation of Fire Extinguishers at designators oved Drawing by Engineer-In-Charge	ated locations as	1.00%
E 10.5	pumps alon	tallation, Testing and Commissioning of the g with Starter and Automatic electrical cont p at Ground of the Building		3.00%
	E 10.5.1	Supply of Water supply pumps along with Starter and Automatic electrical control panel	2.00%	
	E 10.5.2	Installation, Testing and Commissioning of the Water supply pumps along with Starter and Automatic electrical control panel at UG Water Sump at Ground of the Building	1.00%	
E 10.6	Handing over the Fire Fighting System, Automatic Fire alarm System,		2.00%	
				100.00%

Annexure E 11

	E 11) Paym elephone, D	ent percentage breakup for LAN, Wi-Fi : ish TV	and Networking	
E 11.1	Planning, D Engineer-In	etailed Design Engineering and approval of -Charge.	the same by the	1.00%
E 11.2	comprising Modules, W	Installation, Testing and Commissioning of of core switches and L2 switches with 10G, Vi-Fi access points, Wi-Fi controller, Networkacks, CAT 6A Cable, patch panels, OFC etc.	10 Giga SFP rk Management	97.00%
	E 11.2.1	Supply of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	70.00%	
	E 11.2.2	Installation of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	15.00%	
	E 11.2.3	Supply & Laying of LAN Cables/Tele Phone Cables/ Fiber Optics Cables/ Dish TV Cables	7.00%	
	E 11.2.4	Testing and Commissioning of complete LAN, Wi-Fi Network, Telephone and Dish TV Cabling	5.00%	
E 11.3	Handing over the LAN Wi. Fi. Networking System Telephone and Dish		2.00%	
				100.00%

	d E 12) Pay zation Syste	ment percentage breakup for Stairway	ys and Lift shaft	
I I CSSUI IZ	zation Syste	<u></u>		
E 12.1		Detailed Design, Engineering and approval of In-Charge.	of the same by the	1.00%
E 12.2	shaft press	astallation, Testing and Commissioning of Surization system as per NBC 2016, CPWD State Disaster Response and Fire Services of	Specification and	95.00%
	E 12.2.1	Supplying of stairways and lift shaft pressurization System	70.00%	
	E 12.2.2	Installation of stairways and lift shaft pressurization System	15.00%	
	E 12.2.3	Testing and Commissioning of Stairways and lift shaft pressurization system	10.00%	
E 12.3		over the Stairways and lift shaft pressurization uilt drawings (Soft & Hard Copy)	n system along	4.00%
				100.00%

Sub-head F 1: Payment percentage breakup for RCC Precast Staff Housing Tower (G+12) framed structure and finishing's: -

(For intermittent payments, Pro-rata payment will be released on percentage basis on achievement of physical work)

CI.		St. S. S. S.	Breakup of % of	10000
SI.		Stage of activity	Item Contract	Contract
No.			Value	Value
	Planning	, Detailed Design & Approval from third party		
F 1.1	_	nd approval of the same by the Engineer-In-		1.00%
	_	nd approvar of the same by the Engineer-in-		
	Charge.			
	F 1.1.1	On approval of All Architectural Drawings	0.30%	
		by Engineer in Charge and filing application		
		and obtaining approval for Building		
		Occupancy Certificate (OC), fire NOC and		
		any other, mandatory local body approvals as		
		may be required.		
ļ		On approval of All Structural Drawings		
	D4 4 4	including proof checking by third party and	0.000	
- 8-0-	F 1.1.2		0.30%	
		approval from Engineer in Charge.		
	F 1.1.3	On approval of All MEP Drawings (except	0.40%	
		shop drawings) by Engineer in Charge.		
	Completi	on of Foundation & plinth including grade		
F 1.2	1			20.00%
Г 1.2	beams &		2.00%	20.0070
	F 1.2.1	Excavation in all types of Soil/rocks.	2.00%	
	F 1.2.2	On completion of PCC with Anti-termite	1.00%	
		Treatment		
	F 1.2.3	On completion of Footing/rafts etc.	10.00%	
	1 1.2.3		10.0070	
	E104	On completion of back filling, plinth	4.000/	
	F 1.2.4		4.00%	
		filling, plinth beams etc.		
	F 1.2.5	Completion of grade slab (or) floor One	3.00%	
F 1.3	Complet	ion of basic structure including precast panel		49.00%
1 1.5	1 2	I treatment of all joints.		1510070
		On Completion up to Floor two level	2.00%	
	F 1.3.2	On Completion up to Floor three level	3.50%	
	33737-333000			
	F 1.3.3		3.50%	
	F 1.3.4	On Completion up to Floor five level	3.50%	
	F 1.3.5	On Completion up to Floor Six level	3.50%	
	F 1.3.6	On Completion up to Floor Seven level	3.50%	

	F 1.3.7	On Completion up to Eight level	3.50%	
	F 1.3.8	On Completion up to Nine level	3.50%	
	F 1.3.9	On Completion up to Ten level	3.50%	
	F 1.3.10	On Completion up to Eleven level	3.50%	
	F 1.3.11	On Completion up to Twelve level	3.50%	
	F 1.3.12	On Completion up to Thirteen level	3.50%	
	F 1.3.13	On Completion up to Terrace/ fourteen level	3.50%	
	F1314	On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings	0.50%	
	F 1.3.15	On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness	4.50%	
	C1-4:-	on of finishing works i.e., Toilet		
F 1.4	_	fing, flooring, fixing of doors & windows, exterior painting etc.	i a	28.00%
F 1.4	waterproo	fing, flooring, fixing of doors & windows,		28.00%
F 1.4	waterproo	fing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all	3.00%	28.00%
F 1.4	waterproo interior &	fing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the	3.00%	28.00%
F 1.4	waterproo interior & F 1.4.1	fing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors		28.00%
F 1.4	waterproo interior & F 1.4.1	fing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring	1.50%	28.00%
F 1.4	waterproo interior & F 1.4.1 F 1.4.2 F 1.4.3	fing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings,	1.50% 3.00%	28.00%
F 1.4	waterproo interior & F 1.4.1 F 1.4.2 F 1.4.3	fing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with	1.50% 3.00%	28.00%
F 1.4	waterproo interior & F 1.4.1 F 1.4.2 F 1.4.3 F 1.4.4	fing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing	1.50% 3.00% 3.00%	28.00%
F 1.4	waterproo interior & F 1.4.1 F 1.4.2 F 1.4.3 F 1.4.4	fing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing On completion of procurement of material On completion of Installation including Granite sills and jams as per approved	1.50% 3.00% 3.00%	28.00%
F 1.4	waterproo interior & F 1.4.1 F 1.4.2 F 1.4.3 F 1.4.4	fing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing On completion of procurement of material On completion of Installation including Granite sills and jams as per approved drawing.	3.00% 3.00% 3.00% 3.00%	28.00%

	F 1.4.9	On completion of external painting	3.50%	
		Other work:		
	F 1.4.10	All other works such as false ceiling to the rooms of the flats at 12 th floor, SS railings in all staircase area, Balconies with glass & entrance ramp etc. as per the approved	1.50%	
	F 1.4.11	drawings. Thermal insulation to all room of the flats external walls	2.00%	
F 1.5	all statuto as- built	on of completion certificate of the building, ry post construction clearances, licenses and drawing, handing over of buildings and closing of agreement		2.00%
		Total		100.00%

<u>Sub-head F 2: Payment percentage breakup for Internal water supply and sanitary installation, Civil External Service Connections, External Sewerage, Distribution lines upto 100 mm dia, Unfiltered water supply distribution lines upto 100mm dia, Storm water drains: -</u>

(For intermittent payments, Pro-rata payment will be released per running metre basis on achievement of physical work)

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
F 2.1	Detailed I	Detailed Design and approval of the same by the Engineer-In-Charge.		1.00%
F 2.2		letion of all internal sanitary pipelines installations, water orks and rain water pipes, etc. complete as per the directions		72.00%
	F 2.2.1	Procurement of all category of pipes, fixtures and fittings	9.50%	
	F 2.2.2	Laying of pipe lines in desired locations as per the approved drawings by EIC.	14.50%	
	F 2.2.3	Testing & Commissioning of Water supply lines	4.50%	
	F 2.2.4	Procurement of sanitary installations for complete building as per the approved make and as approved by EIC	18.50%	
	F 2.2.5	Fixing of sanitary installations in desired locations as per the approved drawings by EIC.	23.00%	
	F 2.2.6	Testing & Commissioning of sanitary installations complete as per the directions of EIC.	2.00%	
F 2.3	All Extern	nal water supply works and connections complete as per the of EIC.		10.00%
	F 2.3.1	On supply of pipes etc.	5.00%	
	F 2.3.2	On installation of equipment and laying of pipes, valves, inspection chambers, etc.	3.00%	
	F 2.3.3	On successful testing of equipment after installation	1.00%	
	F 2.3.4	After satisfactory commissioning	1.00%	
F 2.4	External S of EIC.	Sewerage system connections complete as per the directions		3.00%
	F 2.4.1	On supply of pipes etc.	1.50%	
	F 2.4.2	On laying of pipes including manholes, etc.	1.00%	
	F 2.4.3	On successful testing of the network	0.25%	
	F 2.4.4	After satisfactory commissioning	0.25%	

F 2.5	The same of the sa	etion of Distribution lines upto 100 mm dia complete as per ons of EIC.		.2.25%
F 2.6		letion of Unfiltered water supply distribution lines upto a complete as per the directions of EIC.		2.25%
F 2.7	Storm wat	er drains complete as per the directions of EIC.		9.50%
	F 2.7.1	After providing bottom & side walls storm water drains complete	5.50%	
	F 2.7.2	Providing & placing covers including culverts wherever required.	2.50%	
	F 2.7.3	After successful testing	1.00%	
	F 2.7.4	On commissioning Completion Certificate and acceptance by the Engineer-in-charge.	0.50%	
		Total		100.00%

Sub-head F 3: Payment percentage breakup for construction of Underground sump:

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
F 3.1		g, Detailed Design and approval of the same by the r-In-Charge.		1.00%
	F 3.1.1	On approval of All Architectural Drawings by Engineer in Charge.	0.30%	
	F 3.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	F 3.1.3	On approval of All MEP Drawings including Proof Checking by third party.	0.40%	
F 3.2	Complet treatmen	tion of Excavation, bed concrete and bottom water proofing		22.00%
	F 3.2.1	On completion of excavation work in all types of soils/rocks	7.00%	
	F 3.2.2	On completion of bed concrete as per the approved drawings by EIC	7.00%	
	F 3.2.3	On completion of bottom waterproofing treatment as per the approved methodology by EIC	8.00%	
F 3.3	Complet tile linin	ion of bottom raft, walls, internal waterproofing, ceramic		40.00%
	F 3.3.1	On completion of bottom raft work as per the approved drawing	10.00%	
	F 3.3.2	On completion of walls	10.00%	
	F 3.3.3	On completion of Internal waterproofing	10.00%	
	F 3.3.4	On completion of ceramic tiles etc.,	10.00%	
F 3.4	Complet	ion of roof & external water proofing treatment.		20.00%
	F 3.4.1	On completion of roof concreting as per the approved drawings	10.00%	
	F 3.4.2	On completion of external waterproofing treatment as per the approved methodology by EIC.	10.00%	
F 3.5		ion of external finishing works, plumbing and all other ed works complete		15.00%
	F 3.5.1	On completion of external finishing works as per the approved drawings	7.50%	
	F 3.5.2	On completion of plumbing and all other associated works complete.	7.50%	
	Submiss	ion of completion certificate all statutory post- construction		
F 3.6		es and as-built drawing, handing over and successful of agreement.		2.00%
		Total		100.00%

Sub-head F 4: Payment percentage breakup for External Development like Levelling, Internal roads with WMM and Cement Concrete payement with vacuum dewatered concrete, Footpath with PCC base, 60mm thick payer blocks and kerb stone edging on one side:

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
F 4.1		, Detailed Design and approval of the same by the :-In-Charge.		1.00%
F 4.2	On comp	oletion of Levelling as per the directions of EIC.		7.00%
F 4.3	1	pletion of Cement Concrete pavement with vacuum ed concrete as per the directions of EIC.		57.00%
	F 4.3.1	On completion of Preparation of sub grade and WMM	5.50%	
-	F 4.3.2	On completion of laying of base concrete and kerb	19.00%	
	F 4.3.3	On completion of laying of Dewatered Vacuum Cement Concrete	24.00%	(C)
	F 4.3.4	On completion of providing & filling of grooves, Road marking, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-in- charge.	8.50%	
F 4.4		pletion of Footpath with PCC base, 60mm thick paver and kerb stone edging on one side as per the directions		35.00%
	F 4.4.1	On completion of Preparation of sub grade	4.50%	
	F 4.4.2	On completion of laying of PCC Base	11.50%	
	F 4.4.3	On completion of laying of 60mm thick paver block and kerb stone edging on one side	14.50%	
	F 4.4.4	On completion of providing & filling of gaps, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-in- charge.	4.50%	
		Total		100.00%

Sub-head F 5: Payment percentage breakup for Modular Furniture Work:

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
F 5.1		Detailed Design and approval of the same by the In-Charge.		1.00%
F 5.2	Approval	of Shop drawings by Engineer – in-charge	-	1.00%
F 5.3	SITC of Wardrobe	Modular furniture like Kitchen Unit, TV Unit and es.		96.00%
	F 5.3.1	On supply of total material required for installation of modular furniture work for all flats	60.00%	
	F 5.3.2	On completion of carcass and approved by EIC for shutters and other works	18.00%	
	F 5.3.3	On completion of fixing of all shutters and Hardware as required to make the structure complete.	18.00%	
F 5.4		pletion of filling of any gaps, alignments and on Certificate and acceptance by the Engineer-in-		2.00%
		Total		100.00%

Sub-head F 6: Payment percentage breakup for Hardscaping, Landscaping and Horticulture works:

(For intermittent payments, Pro-rata payment on achievement of physical work will be released)

SI. No.	Milestone	Breakup of % of Item	% of Item Contract Value	Remarks
F 6.1	Planning, Detailed Design and approval of the same by the Engineer-In-Charge.		1 00%	
F 6.2	Landscaping, Hardscaping, and Horticulture Works in complete shape.		75.00%	
F 6.3	For 6 months Maintenance period after completion of building.		20.00%	
F 6.4	Completion Certificate and acceptance by the Engineer-in-charge.		4.00%	
	Total		100.00%	

Sl. No.	De	scription of Sub-Component of Work	Breakup of % of Item Contract Value	% of Item Contract Value
internal e	lectrificati	nent percentage breakup for Internal Election installations, UPS System, Illuminated and Foot Path Lighting etc.		
F 7.1		g, Detailed Design, Engineering & Approval and approval of the same by the Engineer-In-		1.00%
F 7.2		Installation, Testing and Commissioning of Ition Boards, MCCB, RCCB, ELCB, RCBO,		11.00%
	F 7.2.1	Supply of L T Panels, SDB	4.00%	
	F 7.2.2	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains From Ground Floor to 6 th Floor	2.00%	
	F 7.2.3	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 07 th Floor to Terrace	2.00%	
	F 7.2.4	Installation of LT Panels, SDB	0.50%	
	F 7.2.5	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground Floor to 6 th Floor	0.25%	
	F 7.2.6	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 7 th Floor to Terrace	0.25%	
	F 7.2.7	Testing and Commissioning of LT Panels, SDB	1.00%	
	F 7.2.8	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground to 6 th Floor	0.50%	
	F 7.2.9	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 7 th Floor to Terrace	0.50%	
F 7.3	Supply, Cables	Laying, end termination, Testing & commiss	ioning of LT	15.00%
	F 7.3.1	Supply of Suitable Size LT Cables	10.00%	
	F 7.3.2	Laying & end termination of LT Cables	2.00%	
	F 7.3.3	Testing & commissioning of LT Cables	3.00%	
F 7.4	Supply,	Installation, Testing and Commissioning of U	JPS System	0.50%
	F 7.4.1	Supply of UPS System	0.40%	
	F 7.4.2	Installation, Testing and Commissioning of UPS System	0.10%	

F 7.5		nstallation, testing and commissioning of Inc of various rating & types including staircase		15.00%
	F 7.5.1	Supply of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground floor to 6 th floor	5.00%	
	F 7.5.2	Supply of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th floor to Terrace	5.00%	
	F 7.5.3	Installation, Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground Floor to 6 th Floor	1.50%	
	F 7.5.4	Installation, Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th Floor to Terrace	1.50%	
	F 7.5.5	Testing and Commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground Floor to 6 th Floor	1.00%	
	F 7.5.6	Testing and Commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th Floor to Terrace		
F 7.6		installation, testing and commissioning of eiling fans & BLDC Exhaust fans		5.00%
	F 7.6.1	Supply of BLDC Ceiling Fans and BLDC Exhaust Fans from Ground floor to 6 th floor	1.50%	
	F 7.6.2	Supply of BLDC Ceiling Fans and BLDC Exhaust Fans from 7 th floor to 12 th floor	1.50%	
y	F 7.6.3	Installation of BLDC Ceiling fan and BLDC Exhaust Fans from Ground Floor to 6 th Floor		
	F 7.6.4	Installation of BLDC Ceiling fan and BLDC Exhaust Fans from 6 th Floor to 12 th Floor		
	F 7.6.5	Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans	0.50%	
	F 7.6.6	Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans	0.50%	
F 7.7	Modular	and installation, Testing & Commissioning Plate, Modular Switches, Modular sics Regulators, USB Socket, TV Sockets and	Sockets, Modular	20.00%

	F 7.7.1	Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets,	6.50%	
	1 7.7.1	Modular Electronics Regulators and LAN Ports from Ground floor to 6 th floor	0.30%	
	F 7.7.2	Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 7 th floor to terrace	6.50%	
-	F 7.7.3	Installation of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground Floor to 6 th Floor	2.50%	
	F 7.7.4	Installation of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 7 th to Terrace	2.50%	
	F 7.7.5	Testing & Commissioning of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground floor to 6 th floor	1.00%	
	F 7.7.6	Testing & Commissioning of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports 7 th floor to terrace	1.00%	
7.8	Supply &	& Drawing Testing and Commissioning of Po	int Wiring	10.00%
	F 7.8.1	Supply & Drawing of Point Wiring from Ground Floor to 6 th Floor	3.50%	10.00 / 0
	F 7.8.2	Supply & Drawing of Point Wiring from 7 th Floor to Terrace	3.50%	
	F 7.8.3	Testing and Commissioning of Point Wiring from Ground floor to 6 th floor	1.50%	
	F 7.8.4	Testing and Commissioning of Point Wiring from 7 th floor to terrace	1.50%	
7.9	Supply, System	Drawing, Testing and Commissioning of Po	ower Distribution	10.00%
	F 7.9.1	Supply & Drawing of Power Distribution System from Ground Floor to 6 th Floor	3.50%	
	F 7.9.2	Supply & Drawing of Power Distribution System from 7 th Floor to Terrace	3.50%	
	F 7.9.3	Testing and Commissioning of Power Distribution System from Ground floor to 6 th floor	1.50%	
	F 7.9.4	Testing and Commissioning of Power Distribution System from 7 th floor to terrace	1.50%	s
7.10		Installation, Testing and Commissioning of States & Bollard Lights & Illuminated Signages	reet Lights & Post	5.00%
	F 7.10.1	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages	3.00%	
	F 7.10.2	lights, Street Lights, Illuminated Signages	1.00%	Million 2000 2000 2000 2000 2000 2000 2000 20
	F 7.10.3	Testing and commissioning of Post top Lights & Bollard lights, Street Lights, Illuminated Signages	1.00%	

F 7.11	Supply, installation, testing and commissioning of Horizontal Type 25ltrs. Capacity Electric water heaters (Geysers)	2.00%
	F 7.11.1 Supply of Electric Geysers from Gnd. to 1.009	%
	F 7.11.2 Installation of Electric Geysers from Gnd. to 12 th floor	%
	F 7.11.3 Testing & Commissioning of Electric Geysers from Gnd. to 12 th floor	%
F 7.12	Supply, installation, testing and connecting the Lightning Protection system along with Earthing system.	2.50%
F 7.13	Supply, installation, testing and connecting the Earthing system to the Electrical distribution system	1.50%
F 7.14	Commissioning and Handing over the As-Built Drawings (soft & Hard Copies)	1.50%
		100%

F 8.1	Planning, and approv	Detailed Design, Engineering & Approval from val of the same by the Engineer-In-Charge.	Statutory Bodies	1.00%	
F 8.2	Supply of Substation	Installation, Testing and Commissioning of M V	V Panels at	40.00%	
	F 8.2.1	Supply, Augmentation & Installation of M V Panels at Substation	30.00%	30.00%	
	F 8.2.2	Testing and Commissioning of M V Panels at Substation	10.00%		
F 8.3	Supply, Laying, end termination, Testing & Commissioning of LT Cables		ng of LT Cables	55.00%	
	F 8.3.1	Supply of Suitable Size LT Cables	35.00%		
	F 8.3.2	Laying and end termination of LT Cables	10.00%		
	F 8.3.3	Testing & Commissioning of LT Cables	10.00%		
T 0 4		stallation, testing and connecting the Earthing sy distribution system	ystem to the	2.00%	
F 8.4	Commissioning and Handing over the As-Built Drawings (soft & Hard Copies)		2.00%		
F 8.4				2.00 /0	

	F 9) Payme	ent percentage breakup for Supply, Installa .ifts:	ation, Testing &	
F 9.1		Detailed Design, Engineering & Approval from dapproval of the same by the Engineer-In-Ch		1.00%
F 9.2		stallation, Testing & Commissioning of 20 Pager lift-2 Completion of Third Party Inspection		95.00%
	F 9.2.1	Supply and proper storage of 20 Passengers Lift-1, Spares, Control panel, etc. at Site	30.00%	
	F 9.2.2	Supply and proper storage of 20 Passengers Lift-2, Spares, Control panel, etc. at Site	30.00%	
	F 9.2.3	Installation 20 Passenger Lift -1	10.00%	
	F 9.2.4	Testing & Commissioning of 20 Passenger Lift -1& Completion of Third Party Inspection	8.00%	
	F 9.2.5	Installation of 20 Passenger Lift -2	10.00%	
	F 9.2.6	Testing & Commissioning of 20 Passenger Lift-2 & Completion of Third Party Inspection	7.00%	
F 9.3		over the 20 passenger Lift-1 in all respects alc (soft & Hard Copies)	ong with As-Built	2.00%
F 9.4	Handing over the 20 passenger Lift-2 in all respects along with As-Built Drawings (soft & Hard Copies)		2.00%	
				100.00%

	ad F 10) Payment percentage breakup for Fire FightingSystem, atic Fire Alarm System, Fire Extinguishers & water supply pump			
1.00%	C 2016 Code & me by the	Detailed Design, Engineering as per the NBC com Statutory Bodies and approval of the san-Charge.	Planning, D	<u>ts</u> F 10.1
65.00%	Supply, Installation, Testing and Commissioning of Fire Hydrant, Fire Fighting Pumps, Wet Riser and Sprinkler System.			F 10.2
	45.00%	Supply of Fire Fighting pumps, Wet Riser piping, Sprinklers and Yard Hydrant etc. as per the Approved Drawings/Take off Sheets	F 10.2.1	
	10.00%	Installation Fire Fighting pumps, Wet Riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	F 10.2.2	
	10.00%	Testing & Commissioning complete Fire Fighting system including Fire Fighting Pumps, Wet riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	F 10.2.3	
28.00%	Supply, Installation, Testing and Commissioning of Automatic Addressable Fire Alarm System			F 10.3
	15.00%	Supply of Automatic Fire Alarm Systems and cables as per the Approved Drawings	F 10.3.1	
	8.00%	Laying of cables and Installation of Automatic Fire alarm system	F 10.3.2	
	5.00%	Testing and Commissioning of Automatic Fire alarm System	F 10.3.3	
1.00%	red locations as per	installation of Fire Extinguishers at designat d Drawing by Engineer-In-Charge		F 10.4
3.00%	Supply, Installation, Testing and Commissioning of the Water supply pumps along with Starter and Automatic electrical control panel at UG Water Sump at Ground of the Building		10.5 pumps alon	F 10.5
	2.00%	Supply of Water supply pumps along with Starter and Automatic electrical control panel	F 10.5.1	
	1.00%	Installation, Testing and Commissioning of the Water supply pumps along with Starter and Automatic electrical control panel at UG Water Sump at Ground of the Building	F 10.5.2	
2.00%		er the Fire Fighting System, Automatic Foing System along with NOC from the Locawing (Soft & Hard Copy)	10.6 Water pump	F 10.6
100.00%				

Annexure F 11

	F 11) Paymelephone, Di	ent percentage breakup for LAN, Wi-Fi a	nd Networking	
F 1·1.1	Planning, D Engineer-In	etailed Design Engineering and approval of -Charge.	the same by the	1.00%
F 11.2	comprising Modules, W	Installation, Testing and Commissioning of lof core switches and L2 switches with 10G, Vi-Fi access points, Wi-Fi controller, Networacks, CAT 6A Cable, patch panels, OFC etc.	10 Giga SFP k Management	97.00%
	F 11.2.1	Supply of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	70.00%	
	F 11.2.2	Installation of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	15.00%	
.e.	F 11.2.3	Supply & Laying of LAN Cables/Tele Phone Cables/ Fiber Optics Cables/ Dish TV Cables	7.00%	
×	D 11.2.4	Testing and Commissioning of LAN, Wi-Fi Network, Telephone and Dish TV Cabling	5.00%	
F 11.3	Handing over the LAN, Wi-Fi, Networking System, Telephone and Dish TV Network along with As-Built Drawing (Soft & Hard Copy)			2.00%
				100.00%

	zation Syste	ment percentage breakup for Stairways : em		
F 12.1	Planning, D Engineer Ir	Detailed Design, Engineering and approval of the Charge.	ne same by the	1.00%
F 12.2	pressurizati	Supply, Installation, Testing and Commissioning of Stairways and Lift shaft pressurization system as per NBC 2016, CPWD Specification and Telangana State Disaster Response and Fire Services department		
	F 12.2.1	Supplying of stairways and lift shaft pressurization System	70.00%	
	F 12.2.2	Installation of stairways and lift shaft pressurization System	15.00%	
	F 12.2.3	Testing and Commissioning of Stairways and lift shaft pressurization system	10.00%	
12.3	Handing over the Stairways and lift shaft pressurization system along with As-Built drawings (Soft & Hard Copy)		stem along with	4.00%
				100.00%

G: STAFF HOUSING TOWER (ST2A – D Type):

Sub-head G 1: Payment percentage breakup for RCC Precast Staff Housing Tower (G+12) framed structure and finishing's: -

(For intermittent payments, Pro-rata payment will be released on percentage basis on achievement of physical work)

SI.		Stage of activity	Breakup of % of Item Contract Value	% of Item Contract Value
G 1.1		, Detailed Design & Approval from third party nd approval of the same by the Engineer-In-		1.00%
	G 1.1.1	On approval of All Architectural Drawings by Engineer in Charge and filing application and obtaining approval for Building Occupancy Certificate (OC), fire NOC and any other, mandatory local body approvals as may be required.	0.30%	
53 A	G 1.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	G 1.1.3	On approval of All MEP Drawings (except shop drawings) by Engineer in Charge.	0.40%	
G 1.2	Complete beams &	ion of Foundation & plinth including grade slab.		20.00%
	G 1.2.1		2.00%	
	G 1.2.2	On completion of PCC with Anti-termite Treatment	1.00%	
	G 1.2.3	On completion of Footing/rafts etc.	10.00%	
	G 1.2.4	On completion of back filling, plinth filling, plinth beams etc.	4.00%	
	G 1.2.5	Completion of grade slab (or) floor One	3.00%	
G 1.3		ion of basic structure including precast panel d treatment of all joints.		49.00%
		On Completion up to Floor two level	2.00%	
	G 1.3.2	On Completion up to Floor three level	3.50%	
	G 1.3.3	• •	3.50%	
	G 1.3.4	On Completion up to Floor five level	3.50%	
	G 1.3.5	On Completion up to Floor Six level	3.50%	
	G 1.3.6	On Completion up to Floor Seven level	3.50%	

		Position and the second	
G 1.3.7	On Completion up to Eight level	3.50%	
G 1.3.8	On Completion up to Nine level	3.50%	
G 1.3.9	On Completion up to Ten level	3.50%	
G 1.3.10	On Completion up to Eleven level	3.50%	
G 1.3.11	On Completion up to Twelve level	3.50%	
G 1.3.12	On Completion up to Thirteen level	3.50%	
G 1.3.13	On Completion up to Terrace/ fourteen level	3.50%	
G 1.3.14	On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings	0.50%	
G 1.3.15	On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness	4.50%	
waterprod	ofing, flooring, fixing of doors & windows, exterior painting etc.		28.00%
waterprod	ofing, flooring, fixing of doors & windows,		28.00%
waterprod	ofing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all	3.00%	28.00%
waterprod interior &	ofing, flooring, fixing of doors & windows, a exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the	3.00%	28.00%
waterprodinterior &	ofing, flooring, fixing of doors & windows, a exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors	*	28.00%
G 1.4.1	ofing, flooring, fixing of doors & windows, a exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring	1.50%	28.00%
G 1.4.1 G 1.4.2 G 1.4.3	ofing, flooring, fixing of doors & windows, exterior painting etc. All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings,	1.50% 3.00%	28.00%
G 1.4.1 G 1.4.2 G 1.4.3	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with	1.50% 3.00%	28.00%
G 1.4.1 G 1.4.2 G 1.4.3	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing	1.50% 3.00% 3.00%	28.00%
G 1.4.1 G 1.4.2 G 1.4.3 G 1.4.5	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing On completion of procurement of material On completion of Installation including Granite sills and jams as per approved	1.50% 3.00% 3.00%	28.00%
G 1.4.1 G 1.4.2 G 1.4.3 G 1.4.4 G 1.4.5 G 1.4.6	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing On completion of procurement of material On completion of Installation including Granite sills and jams as per approved drawing.	3.00% 3.00% 3.00% 3.00%	28.00%
G 1.4.1 G 1.4.2 G 1.4.3 G 1.4.4 G 1.4.5 G 1.4.6	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing On completion of procurement of material On completion of Installation including Granite sills and jams as per approved drawing. On completion of hardware and fixtures Painting (Internal & External) i/c putty	3.00% 3.00% 3.00% 3.00%	28.00%

		Other work:		
	G 1.4.10	All other works such as false ceiling to the		
		rooms of the flats at 12th floor, SS railings in	1.50%	
		all staircase area, Balconies with glass &	2.000,0	
		entrance ramp etc. as per the approved		
		drawings.		
	G 1.4.11	Thermal insulation to all room of the flats	2.00%	
		external walls		
	Submissio	on of completion certificate of the building,		
	all statuto	ry post-construction clearances, licenses and		
G 1.5	as- built	drawing, handing over of buildings and		2.00%
	successful	closing of agreement		
		Total	4	100.00%

<u>Sub-head G 2: Payment percentage breakup for Internal water supply and sanitary installation, Civil External Service Connections, External Sewerage, Distribution lines upto 100 mm dia, Unfiltered water supply distribution lines upto 100mm dia, Storm water drains: -</u>

(For intermittent payments, Pro-rata payment will be released per running metre basis on achievement of physical work)

SI. No.	-	Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
G 2.1	Detailed Design and approval of the same by the Engineer-In-Charge.			1.00%
G 2.2		etion of all internal sanitary pipelines installations, water orks and rain water pipes, etc. complete as per the directions		73.00%
	G 2.2.1	Procurement of all category of pipes, fixtures and fittings	10.00%	
	G 2.2.2	Laying of pipe lines in desired locations as per the approved drawings by EIC.	15.00%	
	G 2.2.3	Testing & Commissioning of Water supply lines	4.50%	
	G 2.2.4	Procurement of sanitary installations for complete building as per the approved make and as approved by EIC	18.50%	
	G 2.2.5	Fixing of sanitary installations in desired locations as per the approved drawings by EIC.	23.00%	
	G 2.2.6	Testing & Commissioning of sanitary installations complete as per the directions of EIC.	2.00%	
G 2.3	All Extern	nal water supply works and connections complete as per the of EIC.		10.00%
	G 2.3.1	On supply of pipes etc.	5.00%	
	G 2.3.2	On installation of equipment and laying of pipes, valves, inspection chambers, etc.	3.00%	
	G 2.3.3	On successful testing of equipment after installation	1.00%	
	G 2.3.4	After satisfactory commissioning	1.00%	
G 2.4	External S of EIC.	Sewerage system connections complete as per the directions		3.30%
	G 2.4.1	On supply of pipes etc.	1.60%	
	G 2.4.2	On laying of pipes including manholes, etc.	1.20%	
	G 2.4.3	On successful testing of the network	0.25%	
	G 2.4.4	After satisfactory commissioning	0.25%	

G 2.5	_	completion of Distribution lines upto 100 mm dia complete as per directions of EIC.		
G 2.6		completion of Unfiltered water supply distribution lines upto 0mm dia complete as per the directions of EIC.		
G 2.7	Storm wat	er drains complete as per the directions of EIC.		10.50%
	G 2.7.1	After providing bottom & side walls storm water drains complete	6.00%	
	G 2.7.2	Providing & placing covers including culverts wherever required.	3.00%	
	G 2.7.3	After successful testing	1.00%	
	G 2.7.4	On commissioning Completion Certificate and acceptance by the Engineer-in-charge.	0.50%	
sis.		Total	3	100.00%

Sub-head G 3: Payment percentage breakup for construction of Underground sump:

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
G 3.1	Planning, Detailed Design and approval of the same by the Engineer-In-Charge.			1.00%
	G 3.1.1	On approval of All Architectural Drawings by Engineer in Charge.	0.30%	
	G 3.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	G 3.1.3	On approval of All MEP Drawings including Proof Checking by third party.	0.40%	
G 3.2	Complet treatmen			22.00%
	G 3.2.1	On completion of excavation work in all types of soils/rocks	7.00%	
	G 3.2.2	On completion of bed concrete as per the approved drawings by EIC	7.00%	
	G 3.2.3	the approved methodology by EIC	8.00%	
G 3.3	Complet tile linin	ion of bottom raft, walls, internal waterproofing, ceramic g.		40.00%
	G 3.3.1	On completion of bottom raft work as per the approved drawing	10.00%	
	G 3.3.2	*	10.00%	
	G 3.3.3 G 3.3.4	On completion of Internal waterproofing On completion of ceramic tiles etc.,	10.00%	
G 3.4		ion of roof & external water proofing treatment.	10.00%	20.00%
0 5.4	G 3.4.1	On completion of roof concreting as per the approved drawings	10.00%	20.00 76
	G 3.4.2	On completion of external waterproofing treatment as per the approved methodology by EIC.	10.00%	
G 3.5		ion of external finishing works, plumbing and all other ed works complete		15.00%
	G 3.5.1	On completion of external finishing works as per the approved drawings	7.50%	
	G 3.5.2	On completion of plumbing and all other associated works complete.	7.50%	
G 3.6		Submission of completion certificate all statutory post- construction clearances and as-built drawing, handing over and successful closing of agreement.		2.00%
		Total		100.00%

Sub-head G 4: Payment percentage breakup for External Development like Levelling, Internal roads with WMM and Cement Concrete payement with vacuum dewatered concrete, Footpath with PCC base, 60mm thick payer blocks and kerb stone edging on one side:

SI. No.		Milestone		% of Item Contract Value
G 4.1		anning, Detailed Design and approval of the same by the ngineer-In-Charge.		1.00%
G 4.2	On compl	On completion of Levelling as per the directions of EIC.		7.00%
G 4.3	_	eletion of Cement Concrete pavement with vacuum d concrete as per the directions of EIC.		57.00%
1-924	G 4.3.1	On completion of Preparation of sub grade	5.50%	
	G 4.3.2	On completion of laying of base concrete and kerb	19.00%	
	G 4.3.3	On completion of laying of Dewatered Vacuum Cement Concrete	24.00%	
	G 4.3.4	On completion of providing & filling of grooves, Road marking, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-in- charge.	8.50%	
G 4.4	_	letion of Footpath with PCC base, 60mm thick paver d kerb stone edging on one side as per the directions of		35.00%
	G 4.4.1	On completion of Preparation of sub grade	4.50%	
	G 4.4.2	On completion of laying of PCC Base	11.50%	
	G 4.4.3	On completion of laying of 60mm thick paver block and kerb stone edging on one side	14.50%	
	G 4.4.4	On completion of providing & filling of gaps, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-in- charge.	4.50%	
		Total		100.00%

Sub-head G 5: Payment percentage breakup for Modular Furniture Work:

Sl. No.	Milestone		Breakup of %	% of Item
51. 110.		Milestone	of Item	Contract
			Contract	Value
			Value	
	Planning,	Detailed Design and approval of the same by the		
G 5.1	Engineer-	In-Charge.		1.00%
	Approval	of Shop drawings by Engineer – in-charge		
G 5.2		50 50 50		1.00%
G 5.3	SITC of Modular furniture like Kitchen Unit, TV Unit and Wardrobes.			96.00%
	G 5.3.1	On supply of total material required for installation of	60.00%	
		modular furniture work for all flats		
	G 5.3.2	On completion of carcass and approved by EIC for shutters and other works	18.00%	
	G 5.3.3	On completion of fixing of all shutters and Hardware as required to make the structure complete.	18.00%	
G 5.4	On compl	letion of filling of any gaps, alignments and Completion		
	Certificat	e and acceptance by the Engineer-in- charge.		
				2.00%
		Total		100.00%

Sub-head G 6: Payment percentage breakup for Hardscaping, Landscaping and Horticulture works

(For intermittent payments, Pro-rata payment on achievement of physical work will be released)

SI. No.	Milestone	Breakup of % of Item	% of Item Contract Value	Remarks
G 6.1	Planning, Detailed Design and approval of the same by the Engineer-In-Charge.		1.00%	
G 6.2	Landscaping, Hardscaping, and Horticulture Works in complete shape.		75.00%	
G 6.3	For 6 months Maintenance period after completion of building.	¥	20.00%	
G 6.4	Completion Certificate and acceptance by the Engineer-in-charge.		4.00%	
	Total		100.00%	

Sl. No.	Des	scription of Sub-Component of Work	Breakup of % of Item Contract Value	% of Item Contract Value
internal el	ectrificatio	ent percentage breakup for Internal Electron installations, UPS System, Illuminated Sand Foot Path Lighting etc.		
G 7.1		, Detailed Design, Engineering & Approval f and approval of the same by the Engineer-In-C		1.00%
G 7.2		nstallation, Testing and Commissioning of Lion Boards, MCCB, RCCB, ELCB, RCBO, M		11.00%
	G 7.2.1	Supply of L T Panels, SDB	4.00%	
et.	G 7.2.2	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains From Ground Floor to 6 th Floor	2.00%	
	G 7.2.3	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 07 th Floor to Terrace	2.00%	
	G 7.2.4	Installation of LT Panels, SDB	0.50%	
	G 7.2.5	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground Floor to 6 th Floor	0.25%	*
	G 7.2.6	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 7 th Floor to Terrace	0.25%	©.
	G 7.2.7	Testing and Commissioning of LT Panels, SDB	1.00%	
	G 7.2.8	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground to 6 th Floor	0.50%	
	G 7.2.9	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 7 th Floor to Terrace	0.50%	
G 7.3	Supply, I Cables	aying, end termination, Testing & commission	oning of LT	15.00%
	G 7.3.1	Supply of Suitable Size LT Cables	10.00%	
	G 7.3.2	Laying & end termination of LT Cables	2.00%	
	G 7.3.3	Testing & commissioning of LT Cables	3.00%	
G 7.4	Supply, I	nstallation, Testing and Commissioning of U	PS System	0.50%
	G 7.4.1	Supply of UPS System	0.40%	

	G 7.4.2	Installation, Testing and Commissioning of UPS System	0.10%	
7.5	Supply, installation, testing and commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting			15.00%
8	G 7.5.1	Supply of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground floor to 6 th floor	5.00%	
	G 7.5.2	Supply of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th floor to Terrace	5.00%	
	D 7.5.3	Installation, Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground Floor to 6 th Floor	1.50%	
	G 7.5.4	Installation, Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th Floor to Terrace	1.50%	
2	G 7.5.5	Testing and Commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground Floor to 6 th Floor	1.00%	
	G 7.5.6	Testing and Commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th Floor to Terrace	1.00%	
G 7.6		nstallation, testing and commissioning of iling fans & BLDC Exhaust fans		5.00%
	G 7.6.1	Supply of BLDC Ceiling Fans and BLDC Exhaust Fans from Ground floor to 6 th floor	1.50%	
	G 7.6.2	Supply of BLDC Ceiling Fans and BLDC Exhaust Fans from 7 th floor to 12 th floor	1.50%	
	G 7.6.3	Installation of BLDC Ceiling fan and BLDC Exhaust Fans from Ground Floor to 6 th Floor	0.50%	
	G 7.6.4	Installation of BLDC Ceiling fan and BLDC Exhaust Fans from 6 th Floor to 12 th Floor	0.50%	
	G 7.6.5	Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans	0.50%	
	G 7.6.6	Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans	0.50%	
G 7.7	Modular	nd installation, Testing & Commissioning of Plate, Modular Switches, Modular Sockets, Nos Regulators, USB Socket, TV Sockets and	Modular	20.00%
	G 7.7.1	Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground floor to 6 th floor	6.50%	

	G 7.7.2	Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 7 th floor to terrace	6.50%	
	G 7.7.3	Installation of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground Floor to 6 th Floor	2.50%	
	G 7.7.4	Installation of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 7 th to Terrace	2.50%	
	G 7.7.5	Testing & Commissioning of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground floor to 6 th floor	1.00%	
	G 7.7.6	Testing & Commissioning of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports 7 th floor to terrace	1.00%	
G 7.8	Supply &	Drawing Testing and Commissioning of Poi	nt Wiring	10.00%
	G 7.8.1	Supply & Drawing of Point Wiring from Ground Floor to 6 th Floor	3.50%	
	G 7.8.2	Supply & Drawing of Point Wiring from 7 th Floor to Terrace	3.50%	
	G 7.8.3	Testing and Commissioning of Point Wiring from Ground floor to 6 th floor	1.50%	
	G 7.8.4	Testing and Commissioning of Point Wiring from 7 th floor to terrace	1.50%	
G 7.9	Supply, D System	Prawing, Testing and Commissioning of Pow	er Distribution	10.00%
	G 7.9.1	Supply & Drawing of Power Distribution System from Ground Floor to 6 th Floor	3.50%	
	G 7.9.2	Supply & Drawing of Power Distribution System from 7 th Floor to Terrace	3.50%	
	G 7.9.3	Testing and Commissioning of Power Distribution System from Ground floor to 6 th floor	1.50%	
	G 7.9.4	Testing and Commissioning of Power Distribution System from 7 th floor to terrace	1.50%	
G 7.10		nstallation, Testing and Commissioning of St ts & Bollard Lights & Illuminated Signage's	reet Lights & Post	5.00%
	G 7.10.1	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signage's	3.00%	
	G 7.10.2	Installation of Post top Lights & Bollard lights, Street Lights, Illuminated Signage's	1.00%	
	G 7.10.3	Testing and commissioning of Post top	1.00%	

G 7.11	Supply, installation, testing and commissioning of Horizontal Type 25ltrs. Capacity Electric water heaters (Geysers)		2.00%	
	G 7.11.1	Supply of Electric Geysers from Gnd. to 12 th floor	1.00%	
	G 7.11.2	Installation of Electric Geysers from Gnd. to 12 th floor	0.50%	
	G 7.11.3	Testing and Commissioning of Electric Geysers from Gnd. to 12 th Floor	0.50%	
G 7.12		installation, testing and connecting the Lig long with Earthing system.	chtning Protection	2.50%
G 7.13	11	installation, testing and connecting the Eartl l distribution system	ning system to the	1.50%
G 7.14	Commiss Copies)	sioning and Handing over the As Built Draw	vings (soft & Hard	1.50%
				100%

1.00%		Planning, Detailed Design, Engineering & Approval from Statutory Bodies and approval of the same by the Engineer-In-Charge.		
35.00%	1 V Panels at	Supply of Installation, Testing and Commissioning of M V Panels at Substation		G 8.2
	25.00%	Supply, Augmentation & Installation of M V Panels at Substation	G 8.2.1	
	10.00%	Testing and Commissioning of M V Panels at Substation	G 8.2.2	
50.00%	ning of LT Cables	Supply, Laying, end termination, Testing & Commissioning of LT Cables		G 8.3
	25.00%	Supply of Suitable Size LT Cables	G 8.3.1	
	15.00%	Laying and end termination of LT Cables	G 8.3.2	
	10.00%	Testing & Commissioning of LT Cables	G 8.3.3	
10.00%		tallation, Testing and Commissioning of 100 System with Acoustic Enclosure and AMF Pa		G 8.4
	6.00%	Supply of 100 KVA Diesel Generating System with Acoustic Enclosure and AMF Panel	G 8.4.1	
	2.00%	Installation of 100 KVA Diesel Generating System with Acoustic Enclosure and AMF Panel	G 8.4.2	
	2.00%	Generating System with Acoustic	G 8.4.2	
2.00%	2.00%	Generating System with Acoustic Enclosure and AMF Panel Testing and Commissioning of 100 KVA Diesel Generating System with Acoustic	G 8.4.3	G 8.5
2.00%	2.00% system to the	Generating System with Acoustic Enclosure and AMF Panel Testing and Commissioning of 100 KVA Diesel Generating System with Acoustic Enclosure and AMF Panel tallation, testing and connecting the Earthing	G 8.4.3 Supply, ins	G 8.5

	544114410113	yment percentage breakup for Supply, Institution of Lifts:	
1.00%		, Detailed Design, Engineering & Approval frond approval of the same by the Engineer-In-Ch	G 9.1
95.00%		Installation, Testing & Commissioning of 20 Panger lift-2 with Completion of Third Party Insp	G 9.2
	30.00%	Supply and proper storage of 20 Passengers Lift-1, Spares, Control panel, etc. at Site	
	30.00%	Supply and proper storage of 20 Passengers Lift-2, Spares, Control panel, etc. at Site	
	10.00%	Installation 20 Passenger Lift -1	
	8.00%	Testing & Commissioning of 20 Passenger Lift-1 & Completion of Third Party Inspection	Qell
	10.00%	Installation of 20 Passenger Lift -2	
	7.00%	Testing & Commissioning of 20 Passenger Lift-2 & Completion of Third Party Inspection	
2.00%	ng with As-Built	over the 20 passenger Lift-1 in all respects alo s (soft & Hard Copies)	G 9.3
2.00%	ng with As-Built	Handing over the 20 passenger Lift-2 in all respects along with As-Built Drawings (soft & Hard Copies)	
100.00%			

		ment percentage breakup for Fire Fire Fire Fire Fire Fire Fire Extinguishers & water		
ets:				
G 10.1		Detailed Design, Engineering as per the NBC rom Statutory Bodies and approval of the san-Charge.		1.00%
G 10.2		tallation, Testing and Commissioning of Firmps, Wet Riser and Sprinkler System.	e Hydrant, Fire	65.00%
	G 10.2.1	Supply of Fire Fighting pumps, Wet Riser piping, Sprinklers and Yard Hydrant etc. as per the Approved Drawings/Take off Sheets	45.00%	
	G 10.2.2	Installation Fire Fighting pumps, Wet Riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	10.00%	
	G 10.2.3	Testing & Commissioning complete Fire Fighting system including Fire Fighting Pumps, Wet riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	10.00%	
G 10.3		tallation, Testing and Commissioning of Au e Fire Alarm System	tomatic	28.00%
	G 10.3.1	Supply of Automatic Fire Alarm Systems and cables as per the Approved Drawings	15.00%	
	G 10.3.2	Laying of cables and Installation of Automatic Fire alarm system	8.00%	
9	G 10.3.3	Testing and Commissioning of Automatic Fire alarm System	5.00%	
G 10.4		installation of Fire Extinguishers at designatored Drawing by Engineer-In-Charge	ated locations as	1.00%
G 10.5	pumps alon	tallation, Testing and Commissioning of the g with Starter and Automatic electrical cont p at Ground of the Building		3.00%
	G 10.5.1	Supply of Water supply pumps along with Starter and Automatic electrical control panel	2.00%	
	G 10.5.2	Installation, Testing and Commissioning of the Water supply pumps along with Starter and Automatic electrical control panel at UG Water Sump at Ground of the Building	1.00%	
G 10.6	Handing over the Fire Fighting System, Automatic Fire alarm System, Water pumping System along with NOC from the Local Authorities and As-Built Drawing (Soft & Hard Copy)		2.00%	
				100.00%

		nent percentage breakup for LAN, Wi-Felephone, Dish TV:	i and	
G 11.1	Planning, D Engineer-In	etailed Design Engineering and approval of t -Charge.	he same by the	1.00%
G 11.2	Supplying, Installation, Testing and Commissioning of I AN System comprising of core switches and L2 switches with 10G, 10 Giga SFP Modules, Wi-Fi access points, Wi-Fi controller, Network Management Software, Racks, CAT 6A Cable, patch panels, OFC etc.			97.00%
,	G 11.2.1	Supply of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	70.00%	
20	G 11.2.2	Installation of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	15.00%	
	G 11.2.3	Supply & Laying of LAN Cables/Tele Phone Cables/ Fiber Optics Cables/ Dish TV Cables	7.00%	
	G 11.2.4	Testing and Commissioning of LAN, Wi-Fi Network, Telephone and Dish TV Cabling	5.00%	i i
G 11.3	Handing over the LAN, Wi-Fi, Networking System, Telephone and Dish TV Network along with As-Built Drawing (Soft & Hard Copy)			2.00%
				100.00%

G 12.1	Planning, D Engineer-In	Detailed Design, Engineering and approval of a-Charge.	the same by the	1.00%
G 12.2	Supply, Installation, Testing and Commissioning of Stairways and Lift shaft pressurization system as per NBC 2016, CPWD Specification and Telangana State Disaster Response and Fire Services department		95.00%	
	G 12.2.1	Supplying & Installation of stairways and lift shaft pressurization System	70.00%	
	G 12.2.2	Installation of stairways and lift shaft pressurization System	15.00%	
	G 12.2.3	Testing and Commissioning of Stairways and lift shaft pressurization system	10.00%	
G 12.3	Handing over the Stairways and lift shaft pressurization system along with As-Built drawings (Soft & Hard Copy)		4.00%	
20				100.00%

Sub-head H 1: Payment percentage breakup for construction of RCC Precast Staff Housing Tower (G+12) framed structure and finishing's: -

(For intermittent payments, Pro-rata payment will be released on percentage basis on achievement of physical work)

SI.		Stage of activity	Breakup of % of Item Contract Value	% of Item Contract Value
H 1.1		Detailed Design & Approval from third party and approval of the same by the Engineer-In-		1.00%
	H 1.1.1	On approval of All Architectural Drawings by Engineer in Charge and filing application and obtaining approval for Building Occupancy Certificate (OC), fire NOC and any other, mandatory local body approvals as may be required.	0.30%	
200	Н 1.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	H 1.1.3	On approval of All MEP Drawings (except shop drawings) by Engineer in Charge.	0.40%	
Н 1.2	Completi & slab.	on of Foundation & plinth including grade beams		20.00%
	H 1.2.1	Excavation in all types of Soil/rocks.	2.00%	
	H 1.2.2	On completion of PCC with Anti-termite Treatment	1.00%	
	H 1.2.3	On completion of Footing/rafts etc.	10.00%	
	H 1.2.4	On completion of back filling, plinth filling, plinth beams etc.	4.00%	
	H 1.2.5	Completion of grade slab (or) floor One	3.00%	
H 1.3	1 -	on of basic structure including precast panel treatment of all joints.		49.00%
	H 1.3.1	On Completion up to Floor two level	2.00%	
	H 1.3.2	On Completion up to Floor three level	3.50%	
	H 1.3.3	On Completion up to Floor four level	3.50%	
	H 1.3.4	On Completion up to Floor five level	3.50%	
	H 1.3.5	On Completion up to Floor Six level	3.50%	
	H 1.3.6	On Completion up to Floor Seven level	3.50%	

	H 1.3.7	On Completion up to Eight level	3.50%	
	H 1.3.8	On Completion up to Nine level	3.50%	
	H 1.3.9	On Completion up to Ten level	3.50%	
	H 1.3.10	On Completion up to Eleven level	3.50%	
	H 1.3.11	On Completion up to Twelve level	3.50%	
	H 1.3.12	On Completion up to Thirteen level	3.50%	
	H 1.3.13	On Completion up to Terrace/ fourteen level	3.50%	
	H 1.3.14	On completion of overhead water Tank, Mumty, parapet, Lift Machine Room (LMR) and other all miscellaneous works as per the approved drawings	0.50%	
	H 1.3.15	On completion of water proofing of terrace, lift pits, Waterproofing in rooms, balconies & corridors, water tight stitch Joints of all panels of the building and pond testing and testing of vertical joints for water tightness.	4.50%	
H 1.4	Flores T	on of finishing works i.e., Toilet waterproofing, fixing of doors & windows, interior & exterior		28.00%
	painting C	ic.		2010070
	painting c	All type of Flooring, skirting, dado in all floors including stilt flooring etc.		2010070
	Н 1.4.1	All type of Flooring, skirting, dado in all	3.00%	
		All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the	3.00%	
	H 1.4.1	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and		
	H 1.4.1	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and	1.50%	
	H 1.4.1 H 1.4.2 H 1.4.3	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser	1.50% 3.00%	
	H 1.4.1 H 1.4.2 H 1.4.3	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with	1.50% 3.00%	
	H 1.4.1 H 1.4.2 H 1.4.3 H 1.4.4	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing	1.50% 3.00% 3.00%	
	H 1.4.1 H 1.4.2 H 1.4.3 H 1.4.4	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing On completion of procurement of material On completion of Installation including Granite	1.50% 3.00% 3.00%	
	H 1.4.1 H 1.4.2 H 1.4.3 H 1.4.4 H 1.4.5 H 1.4.6	All type of Flooring, skirting, dado in all floors including stilt flooring etc. On completion of flooring in all flats of the building and kitchen platforms and dadoing in wet areas including stilt floor as per the approved drawing. On completion of flooring in all corridors and common areas with skirting. On completion of waterproofing, flooring and dadoing in toilets. On completion of staircase mid-ladings, riser and treads including skirting Fixing of all types doors & windows with MS Grills as per the approved drawing On completion of procurement of material On completion of Installation including Granite sills and jams as per approved drawing.	3.00% 3.00% 3.00% 3.00%	

	H 1.4.9	On completion of external painting	3.50%	
		Other work:		
	H 1.4.10	All other works such as false ceiling to the rooms of the flats at 12 th floor, SS railings in all staircase area, Balconies with glass & entrance ramp etc. as per the approved drawings.	1.50%	
	H 1.4.11	Thermal insulation to all room of the flats external walls	2.00%	
Н 1.5	statutory built draw	on of completion certificate of the building, all post-construction clearances, licenses and asving, handing over of buildings and successful agreement		2.00%
		Total		100.00%

Sub-head H 2: Payment percentage breakup for Internal water supply and sanitary installation, Civil External Service Connections, External Sewerage, Distribution lines upto 100 mm dia, Unfiltered water supply distribution lines upto 100mm dia, Storm water drains: -

(For intermittent payments, Pro-rata payment will be released per running metre basis on achievement of physical work)

SI. No.		Milestone Detailed Design and approval of the same by the Engineer In Charge		% of Item Contract Value
H 2.1	Detailed I	Design and approval of the same by the Engineer-In-Charge.		1.00%
H 2.2		etion of all internal sanitary pipelines installations, water orks and rain water pipes, etc. complete as per the directions		72.00%
	H 2.2.1	Procurement of all category of pipes, fixtures and fittings	10.00%	
	H 2.2.2	Laying of pipe lines in desired locations as per the approved drawings by EIC.	14.00%	
	H 2.2.3	Testing & Commissioning of Water supply lines	4.50%	
	H 2.2.4	Procurement of sanitary installations for complete building as per the approved make and as approved by EIC	18.50%	
	H 2.2.5	Fixing of sanitary installations in desired locations as per the approved drawings by EIC.	23.00%	
	H 2.2.6	Testing & Commissioning of sanitary installations complete as per the directions of EIC.	2.00%	
H 2.3	All Extern	al water supply works and connections complete as per the of EIC.		10.00%
	Н 2.3.1	On supply of pipes etc.	5.00%	
	H 2.3.2	On installation of equipment and laying of pipes, valves, inspection chambers, etc.	3.00%	
	H 2.3.3	On successful testing of equipment after installation	1.00%	
	H 2.3.4	After satisfactory commissioning	1.00%	
H 2.4	External S of EIC.	ewerage system connections complete as per the directions		2.50%
	H 2.4.1	On supply of pipes etc.	1.10%	
	H 2.4.2	On laying of pipes including manholes, etc.	1.00%	73

		Total		100.00%
	Н 2.7.4	On commissioning Completion Certificate and acceptance by the Engineer-in-charge.	0.50%	
	H 2.7.3	After successful testing	1.20%	
	Н 2.7.2	Providing & placing covers including culverts wherever required.	3.50%	
	H 2.7.1	After providing bottom & side walls storm water drains complete	6.50%	
H 2.7	Storm wat	er drains complete as per the directions of EIC.		11.70%
H 2.6		etion of Unfiltered water supply distribution lines upto a complete as per the directions of EIC.		1.40%
H 2.5	1	etion of Distribution lines upto 100 mm dia complete as per ons of EIC.		1.40%
	H 2.4.4	After satisfactory commissioning	0.20%	
	H 2.4.3	On successful testing of the network	0.20%	

Sub-head H 3: Payment percentage breakup for construction of Underground sump:

(For intermittent payments, Pro-rata payment will be released based on physical progress)

SI. No.		Milestone	Breakup of % of Item	% of Item Contract
			Contract Value	Value
Н 3.1		g, Detailed Design and approval of the same by the r-In-Charge.		1.00%
	H 3.1.1	On approval of All Architectural Drawings by Engineer in Charge.	0.30%	
	H 3.1.2	On approval of All Structural Drawings including proof checking by third party and approval from Engineer in Charge.	0.30%	
	H 3.1.3	On approval of All MEP Drawings including Proof Checking by third party.	0.40%	
H 3.2	Complet treatmen			22.00%
	H 3.2.1	On completion of excavation work in all types of soils/rocks		
	H 3.2.2	drawings by EIC	7.00%	
	H 3.2.3	the approved methodology by EIC	8.00%	
H 3.3	Complet tile linin	tion of bottom raft, walls, internal waterproofing, ceramic g.		40.00%
	H 3.3.1	On completion of bottom raft work as per the approved drawing	10.00%	
	H 3.3.2	On completion of walls	10.00%	
		T control of the second of the	10.00%	
	H 3.3.4	On completion of ceramic tiles etc.,	10.00%	
H 3.4	Complet	tion of roof & external water proofing treatment.		20.00%
	H 3.4.1	On completion of roof concreting as per the approved drawings	10.00%	
	H 3.4.2	On completion of external waterproofing treatment as per the approved methodology by EIC.	10.00%	
Н 3.5		tion of external finishing works, plumbing and all other ed works complete		15.00%
	H 3.5.1	On completion of external finishing works as per the approved drawings	7.50%	
	Н 3.5.2	On completion of plumbing and all other associated works complete.	7.50%	
Н 3.6		Submission of completion certificate all statutory post- construction clearances and as-built drawing, handing		2.00%
		over and successful closing of agreement. Total		100.00%

Sub-head H 4: Payment percentage breakup for External Development like Levelling, Internal roads with WMM and Cement Concrete pavement with vacuum dewatered concrete, Footpath with PCC base, 60mm thick paver blocks and kerb stone edging on one side, Children Play Area and Granite Benches:

(For intermittent payments, Pro-rata payment will be released based on physical progress)

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Iten Contract Value
H 4.1	Engineer	, Detailed Design and approval of the same by the r-In-Charge.		1.00%
H 4.2	On comp	pletion of Levelling as per the directions of EIC.		5.50%
H 4.3	the state of the s	pletion of Cement Concrete pavement with vacuum ed concrete as per the directions of EIC.		47.00%
	H 4.3.1	On completion of Preparation of sub grade and WMM	4.50%	
	H 4.3.2	On completion of laying of base concrete and kerb	17.00%	
	H 4.3.3	On completion of laying of Dewatered Vacuum Cement Concrete	20.00%	
e disc	H 4.3.4	On completion of providing & filling of grooves, Road marking, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-in-charge.	5.50%	
H 4.4		pletion of Footpath with PCC base, 60mm thick paver and kerb stone edging on one side as per the directions of		29.50%
	H 4.4.1	On completion of Preparation of sub grade	4.00%	
	H 4.4.2	On completion of laying of PCC Base	9.50%	
	H 4.4.3	On completion of laying of 60mm thick paver block and kerb stone edging on one side	12.00%	
×	H 4.4.4	On completion of providing & filling of gaps, Signage, kerbstone, Completion Certificate and acceptance by the Engineer-in- charge.	4.00%	
E 4.5	Children EIC.	Play Area and Granite Benches as per the directions of		17.00%
	E 4.5.1	On completion of Sub base and PCC Flooring	3.50%	
	E 4.5.2	On completion of 30mm thick EPDM Flooring as per the approved drawing and design	7.00%	
	E 4.5.3	On completion of supply and installation of children playing equipment as per the approved design and drawing by EIC.	1	
	E 4.5.4	On completion of supply and installation of Granite Benches as per the approved drawing.	1.00%	
		Total		100.00%

Sub-head H 5: Payment percentage breakup for Modular Furniture Work:

(For intermittent payments, Pro-rata payment will be released based on physical progress)

SI. No.		Milestone	Breakup of % of Item Contract Value	% of Item Contract Value
Н 5.1		Detailed Design and approval of the same by the In-Charge.		1.00%
H 5.2	Approval	of Shop drawings by Engineer – in-charge		1.00%
H 5.3	SITC of Wardrobe	Modular furniture like Kitchen Unit, TV Unit and es.		96.00%
	H 5.3.1	On supply of total material required for installation of modular furniture work for all flats	60.00%	
	Н 5.3.2	On completion of carcass and approved by EIC for shutters and other works	18.00%	
,	Н 5.3.3	On completion of fixing of all shutters and Hardware as required to make the structure complete.	18.00%	
Н 5.4	i i	On completion of filling of any gaps, alignments and Completion Certificate and acceptance by the Engineer-in-charge.		2.00%
		Total		100.00%

Sub-head H 6: Payment percentage breakup for Hardscaping, Landscaping and Horticulture works

(For intermittent payments, Pro-rata payment on achievement of physical work will be released)

SI. No.	Milestone	Breakup of % of Item	% of Item Contract Value	Remarks
Н 6.1	Planning, Detailed Design and approval of the same by the Engineer-In-Charge.		1.00%	
Н 6.2	Landscaping, Hardscaping, and Horticulture Works in complete shape.		75.00%	
Н 6.3	For 6 months Maintenance period after completion of building.		20.00%	
Н 6.4	Completion Certificate and acceptance by the Engineer-in-charge.		4.00%	
	Total		100.00%	

Sl. No.	Des	cription of Sub-Component of Work	Breakup of % of Item Contract Value	% of Item Contract Value
internal el	ectrificatio	ent percentage breakup for Internal Elec on installations, UPS System, Illuminated and Foot Path Lighting etc.		
H 7.1		Detailed Design, Engineering & Approval approval of the same by the Engineer-In-		1.00%
Н 7.2		nstallation, Testing and Commissioning of ion Boards, MCCB, RCCB, ELCB, RCBO,		11.00%
	H 7.2.1	Supply of L T Panels, SDB	4.00%	
	H 7.2.2	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains From Ground Floor to 6 th Floor	2.00%	
	H 7.2.3	Supply of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 07 th Floor to Terrace	2.00%	
	H 7.2.4	Installation of LT Panels, SDB	0.50%	
	H 7.2.5	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground Floor to 6 th Floor	0.25%	
	H 7.2.6	Installation of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 7 th Floor to Terrace	0.25%	
	H 7.2.7	Testing and Commissioning of LT Panels, SDB	1.00%	
জ	H 7.2.8	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from Ground to 6 th Floor	0.50%	
	H 7.2.9	Testing and Commissioning of Distribution Boards, MCCB, RCCB, ELCB, RCBO, MCB etc., Rising Mains from 7 th Floor to Terrace	0.50%	
Н 7.3	Supply, I Cables	Laying, end termination, Testing & commiss	sioning of LT	15.00%
	H 7.3.1	Supply of Suitable Size LT Cables	10.00%	
	H 7.3.2	Laying & end termination of LT Cables	2.00%	
	H 7.3.3	Testing & commissioning of LT Cables	3.00%	
H 7.4	Supply, I	nstallation, Testing and Commissioning of	UPS System	0.50%
4	H 7.4.1	Supply of UPS System	0.40%	

Н 7.7	Modula	and installation, Testing & Commissioning r Plate, Modular Switches, Modular S nics Regulators, USB Socket, TV Sockets an	ockets, Modular	20.00%
	Н 7.6.6	Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans	0.50%	
	H 7.6.5	Testing and commissioning of BLDC Ceiling fan and BLDC Exhaust Fans	0.50%	
	H 7.6.4	Installation of BLDC Ceiling fan and BLDC Exhaust Fans from 6 th Floor to 12 th Floor	0.50%	
	H 7.6.3	Installation of BLDC Ceiling fan and BLDC Exhaust Fans from Ground Floor to 6 th Floor	0.50%	
	H 7.6.2	Supply of BLDC Ceiling Fans and BLDC Exhaust Fans from 7 th floor to 12 th floor	1.50%	
	H 7.6.1	Supply of BLDC Ceiling Fans and BLDC Exhaust Fans from Ground floor to 6 th floor	1.50%	<u>g</u>
Н 7.6		nstallation, testing and commissioning of iling fans & BLDC Exhaust fans		5.00%
	Н 7.5.6	Testing and Commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th Floor to Terrace	1.00%	
	H 7.5.5	Testing and Commissioning of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground Floor to 6 th Floor	1.00%	
. E	H 7.5.4	Installation, Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th Floor to Terrace	1.50%	
	H 7.5.3	Installation, Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground Floor to 6 th Floor	1.50%	
	H752	Supply of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from 7 th floor to Terrace	5 00%	
	H 7.5.1	Supply of Indoor LED Light Fixtures of various rating & types including staircase and common area lighting from Ground floor to 6 th floor	5.00%	
Н 7.5		nstallation, testing and commissioning of Inc of various rating & types including staircase		15.00%
	H 7.4.2	Installation, Testing and Commissioning of UPS System	0.10%	

	H 7.7.1	Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground floor to 6 th floor	6.50%	
	H 7.7.2	Supply of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 7 th floor to terrace	6.50%	
	H 7.7.3	Installation of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground Floor to 6 th Floor	2.50%	
is .	H 7.7.4	Installation of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from 7 th to Terrace	2.50%	
	H 7.7.5	Testing & Commissioning of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports from Ground floor to 6 th floor	1.00%	
	H 7.7.6	Testing & Commissioning of Modular Box, Modular Plate, Modular Switches, Modular Sockets, Modular Electronics Regulators and LAN Ports 7 th floor to terrace	1.00%	
H 7.8	Supply &	Drawing Testing and Commissioning of Po	oint Wiring	10.00%
	H 7.8.1	Supply & Drawing of Point Wiring from Ground Floor to 6 th Floor	3.50%	2000070
	Н 7.8.2	Supply & Drawing of Point Wiring from 7th Floor to Terrace	3.50%	
	Н 7.8.3	Testing and Commissioning of Point Wiring from Ground floor to 6 th floor	1.50%	
	H 7.8.4	Testing and Commissioning of Point Wiring from 7 th floor to terrace	1.50%	
Н 7.9	Supply, D System	Prawing, Testing and Commissioning of Pov	wer Distribution	10.00%
	H 7.9.1	Supply & Drawing of Power Distribution System from Ground Floor to 6 th Floor	3.50%	
	H 7.9.2	Supply & Drawing of Power Distribution System from 7 th Floor to Terrace	3.50%	
	Н 7.9.3	Testing and Commissioning of Power Distribution System from Ground floor to 6 th floor	1.50%	
	Н 7.9.4	Testing and Commissioning of Power Distribution System from 7 th floor to terrace	1.50%	
H 7.10		nstallation, Testing and Commissioning of S Lights & Bollard Lights & Illuminated Sign		5.00%
	H 7.10.1	Supply of Street lights Post top Lights & Bollard lights, Illuminated Signages	3.00%	

		Installation of Post top Lights & Bollard		
	H 7.10.2		1.00%	
	H 7.10.3	Testing and commissioning of Post top Lights & Bollard lights, Street Lights, Illuminated Signages	1.00%	
Н 7.11		stallation, testing and commissioning of Hopacity Electric water heaters (Geysers)	orizontal Type	2.00%
	H 7.11.1	Supply of Electric Geysers for Gnd. to 12 th floor	1.00%	
	H 7.11.2	Installation of Electric Geysers	0.50%	
	H 7.11.3	Testing & Commissioning of Electric Geysers	0.50%	
H 7.12		stallation, testing and connecting the Light ong with Earthing system.	ning Protection	2.50%
Н 7.13	~ ~ ~	stallation, testing and connecting the Earth distribution system	ing system to the	1.50%
Н 7.14	Commissi Copies)	oning and Handing over the As-Built Draw	rings (soft & Hard	1.50%
				100.00%

		ent percentage breakup for External Servation side and Earthing System:	ice Connection	
Н 8.1		Detailed Design, Engineering & Approval fro d approval of the same by the Engineer-In-Ch		1.00%
Н 8.2	Supply of Substation	Installation, Testing and Commissioning of M	I V Panels at	40.00%
	H 8.2.1	Supply, Augmentation & Installation of M V Panels at Substation	30.00%	
	H 8.2.2	Testing and Commissioning of M V Panels at Substation	10.00%	
Н 8.3	Supply, La	ying, end termination, Testing & Commissio	ning of LT Cables	55.00%
	H 8.3.1	Supply of Suitable Size LT Cables	35.00%	
	H 8.3.2	Laying and end termination of LT Cables	10.00%	
	H 8.3.3	Testing & Commissioning of LT Cables	10.00%	
Н 8.4		stallation, testing and connecting the Earthing	system to the	2.00%
Н 8.5	Commission Copies)	oning and Handing over the As-Built Drawing	gs (soft & Hard	2.00%
			× .	100.00%

		nent percentage breakup for Supply, In ioning of Lifts:	stallation,	
Н 9.1		Detailed Design, Engineering & Approval frod approval of the same by the Engineer-In-Cl		1.00%
Н 9.2		stallation, Testing & Commissioning of 20 P ger lift -2Completion of Third Party Inspection		95.00%
	Н 9.2.1	Supply and proper storage of 20 Passengers Lift-1, Spares, Control panel, etc. at Site	30.00%	
	Н 9.2.2	Supply and proper storage of 20 Passengers Lift-2, Spares, Control panel, etc. at Site	30.00%	
	H 9.2.3	Installation 20 Passenger Lift -1	10.00%	
	H 9.2.4	Testing & Commissioning of 20 Passenger Lift-1 & Completion of Third Party Inspection	8.00%	
	H 9.2.5	Installation of 20 Passenger Lift-2	10.00%	
8	Н 9.2.6	Testing & Commissioning of 20 Passenger Lift-2 & Completion of Third Party Inspection	7.00%	
Н 9.3	_	over the 20 passenger Lift-1 in all respects alo (soft & Hard Copies)	ong with As-Built	2.00%
Н 9.4		over the 20 passenger Lift-2 in all respects ald (soft & Hard Copies)	ong with As-Built	2.00%
				100.00%

		nent percentage breakup for Fire Fight	
	supply pump	m System, Fire Extinguishers & water s	ts:
1.00%		Detailed Design, Engineering as per the NB rom Statutory Bodies and approval of the same	Planning
65.00%	ire Hydrant, Fire	stallation, Testing and Commissioning of Fi amps, Wet Riser and Sprinkler System.	H 10.2 Supply,
	45.00%	Supply of Fire Fighting pumps, Wet Riser piping, Sprinklers and Yard Hydrant etc. as per the Approved Drawings/Take off Sheets	H 10.2.1
	10.00%	Installation Fire Fighting pumps, Wet Riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	H 10.2.2
	10.00%	Testing & Commissioning complete Fire Fighting system including Fire Fighting Pumps, Wet riser System, Sprinklers and Yard Hydrant etc. as per the Approved Drawings	H 10.2.3
28.00%	of Automatic	nstallation, Testing and Commissioning e Fire Alarm System	H 10.3 Supply, Address
	15.00%	Supply of Automatic Fire Alarm Systems and cables as per the Approved Drawings	Н 10.3.1
	8.00%	Laying of cables and Installation of Automatic Fire alarm system	Н 10.3.2
	5.00%	Testing and Commissioning of Automatic Fire alarm System	H 10.3.3
1.00%	d locations as per	installation of Fire Extinguishers at designated Drawing by Engineer-In-Charge	
3.00%	110	stallation, Testing and Commissioning of the starter and Automatic electrical compations of the Building	H 10.5 pumps a
	2.00%	Supply of Water supply pumps along with Starter and Automatic electrical control panel	H 10.5.1
	1.00%	Installation, Testing and Commissioning of the Water supply pumps along with Starter and Automatic electrical control panel at UG Water Sump at Ground of the Building	H 10.5.2
2.00%		ver the Fire Fighting System, Automatic Fir ping System along with NOC from the Local rawing (Soft & Hard Copy)	H 10.6 Water p
100.00%		17/	

	H 11) Payme lephone, Dis	nt percentage breakup for LAN, Wi-Fi and h TV:	Networking	
H 11.1	Planning, I Engineer-In	1.00%		
Н 11.2	Supplying, comprising Modules, V Software, R	97.00%		
	H 11.2.1	Supply of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	70.00%	
	H 11.2.2	Installation of All Active Components and Passive Components of Data & Networking System including switches, SFP Modules, Software etc.,	15.00%	
3 71	H 11.2.3	Supply & Laying of LAN Cables/Tele Phone Cables/ Fiber Optics Cables/ Dish TV Cables	7.00%	
	Н 11.2.4	Testing and Commissioning of LAN, Wi- Fi Network, Telephone and Dish TV Cabling	5.00%	
H 11.3	Handing over the LAN, Wi-Fi, Networking System, Telephone and Dish TV Network along with As-Built Drawing (Soft & Hard Copy)			2.00%
				100.00%

	nd H 12) Pay zation Syste	ment percentage breakup for Stairways m	s and Lift shaft		
Н 12.1	Planning, D Engineer-In	1.00%			
Н 12.2	pressurizati	Supply, Installation, Testing and Commissioning of Stairways and Lift shaft pressurization system as per NBC 2016, CPWD Specification and Telangana State Disaster Response and Fire Services department			
	H 12.2.1	Supplying of stairways and lift shaft pressurization System	70.00%		
	H 12.2.2	Installation of stairways and lift shaft pressurization System	15.00%		
	H 12.2.3	Testing and Commissioning of Stairways and lift shaft pressurization system	10.00%		
H 12.3		Handing over the Stairways and lift shaft pressurization system along with As-Built drawings (Soft & Hard Copy)			
				100.00%	