Schedule-G for payment clause in EPC tender for Kavach work in ECR

SN	Major Item	% Weighta to the Contrac Price	Item	% Weightage to the Contract Price	Stage for Payment	Percentage weightage	Payment Procedure		Cost in DE	Payment to be done	Total cost for major component
1	Signalling works Provision TCAS complete	76.31% of of	2.1 Signaling work for provision of Train Collision Avoidance System.	65.15%	2.1.1 Survey, design and supply of various drawings and document for TCAS system including RSSI and Arial survey.	1.81%	2.11.1 Payment shall be made on completion of Survey and Design works for TCAS (Kavach) system after approval and submission of all drawings, schemes etc. on pro rata basis after work completion in atleast one block section with respect to required work in total km of route length		19,862,261.82	17,876,035.64	
					2.1.2 Supply, installation, testing and commissioning of Stationary/IBH/LC TCAS system including Vital Computer, Supply & Installation of RFID Tags of TCAS, Installation of Connected LC's, programming Kit etc. Relay / CT Racks, Antennas, RIU programming Kit etc.	60.25%	2.1.2.1 Payment shall be made on completion of work on pro rata basis for each block section for track side equipments.	Payment includes only 90%	659,506,140.25	593,555,526.22	
					2.1.3 Supply & installation of Loco TCAS system including Vital Computer, peripherals RFID readers, peripherals such as DMI, modems, Antennas, programming Kit etc.	29.09%	2.1.3.1 For cab equipment, payment shall be made for 60 locos on a pro rata basis.	Payment includes only 90%	318,410,815.40	286,569,733.86	
					2.1.4 Supply, Installation and commissioning of Lattice tower in Section/IB/LC, etc including aviation lamp, fencing, painting, earthing, cables, etc.	3.81%	2.1.4.1 Payment for tower will be done on pro rata basis with respect total no. of towers required in this work.	Payment includes only 90%	41,713,190.00	37,541,871.00	
					2.1.5 Supply & Installation of Network Management system (NMS) for TCAS.	1.39%	2.1.5.1 Payment shall be made on completion of the entire work.	Payment includes only 90%	15,242,498.43	13,718,248.59	
					2.1.6 Supply & Installation of Test Bench and setup of Labs for TCAS including supply of various manuals, tool kits and instruments.	2.57%	2.1.6.1 Payment shall be made on completion of the entire work.	Payment includes only 90%	28,182,506.74	25,364,256.06	
					2.1.7 Training to Railway Personal and safety case.	1.07%	2.1.7.1 Payment shall be made on completion of the entire work.	Payment includes 100%	10,516,750.00	10,516,750.00	
					Total:	100.00%			1,093,434,162.64	985,142,421.38	
			2.2 Inventory: Supply of TCAS spares	3.60%	2.2.1 Supply of spares for Train Collision Avoidance System (TCAS).	100.00%	2.2.1.1 Payment for inventory (supply of spares) for each stage shall be made on completion of works (item 2.1.2) and supply of entire quantity of spares. There will not be any payment for part supply of inventory.	Payment includes only 90%	60,468,960.80	54,422,064.72	
			2.3 Integrated testing and commissioning of TCAS works	7.56%	2.3.1 Integrated testing and commissioning of the signalling works of railway project along with supply of safety case,key and management service charge.	100.00%	2.3.1.1 On the issuance of Completion Certificate. In case the Completion Certificate is for part of the Railway Project, the payment shall be made for the route km covered by the Completion Certificate on pro rata basis with reference to the total route km for the Project		1,153,903,123.44	1,039,564,486.10	1,153,903,123.44

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2	Telecommunic	12.38%	2.4	11.14%	2.4.1	0.89%	2.4.1.1	Payment includes	1,665,998.00	1,499,398.20	
	ation work for		Telecommunication work		Survey of Optical fibre cable system including its design, testing,	1	Unit of measurement is distance in track km between two stations. Payment	only 90%			
	Provision of		for Provision of two 24		supply of manuals for new technology Telecommunication		shall be made on completion of work between two stations on pro rata basis				
			Fibres OFC Backbone		equipment installed for each place, supply of completion drawings,		with respect to the total track km length.				
1	two 24 Fibres		system.		etc.	I	,				
	OFC Backbone		-,		2.4.2	21.24%	2.4.2.1	Payment includes	39,765,528.00	35,788,975,20	
					Supply of OFC(2X24 Fiber)	21.24%	Payment shall be made on completion of supply on pro rata basis with	only 90%	37,703,320.00	33,766,773.20	
					Supply of Of C(2A24 Fiber)		respect to total track kilometre (TKM) length.	omy 50%			
							Payment for supplies, to the extant of maximum 10% of the total quantity				
							involved in scope of work may be done.				
							Payment against supplies under these items shall be made for quantities as				
							per the approved layout, on receipt of material at contractor depot and				
							production of inspection certificates and other documents and against BG of				
							equivalent amount.				
							Note: payment made for supplies under these items shall not be counted for				
							completion of Project milestone under schedule-I.				
					2.4.3	77.87%	2.4.3.1	Payment includes	145,750,360.00	131,175,324.00	
					Laying of OFC via two routes and supply, Installation, testing &		Payment shall be made on completion of installation work between two	only 90%			
					commissioning of complete OFC communication system.		stations on pro rata basis with respect to total track kilometre (TKM) length.				
					, ,						
					Total:	100.00%					
					Total.	100.00%					
			2.5	1.24%	2.5.1	100.00%	2.5.1.1	Payment includes	187,181,886.00	168,463,697.40	187,181,886.00
			Integrated testing and		Integrated testing and commissioning of complete OFC		On the issuance of Completion Certificate. In case the Completion	balance 10%			
			commissioning of the		communication system and supply of completion drawings and		Certificate is for part of the Railway Project, the payment shall be made for				
			communication works of		documents.		the route km covered by the Completion Certificate on pro rata basis with				
			railway project along with				reference to the total route km for the Project.				
			supply of all as made								
			drawing of communication								
			works								
_											
3	Civil work for	11.31%	2.6	10.18%	2.6.1	100.00%	2.6.1.1	Payment includes	171,028,535.75	153,925,682.17	
3	Civil work for	11.31%		10.18%		100.00%		Payment includes only 90%	171,028,535.75	153,925,682.17	
3	provision of	11.31%	Provision Service	10.18%	Survey, design and construction of Service Building at station and	100.00%	Payment shall be made on completion of Survey and Design works and		171,028,535.75	153,925,682.17	
3	provision of Service	11.31%	Provision Service building at stations and	10.18%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring,	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and		171,028,535.75	153,925,682.17	
3	provision of Service building at	11.31%	Provision Service	10.18%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up		171,028,535.75	153,925,682.17	
3	provision of Service building at Stations/LC	11.31%	Provision Service building at stations and	10.18%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring,	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and		171,028,535.75	153,925,682.17	
3	provision of Service building at	11,31%	Provision Service building at stations and		Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings.		Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section.	only 90%			171.029.535.75
3	provision of Service building at Stations/LC	11.31%	Provision Service building at stations and LC/IBH.	10.18%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1	only 90% Payment includes	171,028,535.75 171,028,535.75	153,925,682.17 153,925,682.17	171,028,535.75
3	provision of Service building at Stations/LC	11.31%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of		Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and		Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all	only 90%			171,028,535.75
3	provision of Service building at Stations/LC	11.31%	Provision Service building at stations and LC/IBH.		Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1		Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1	only 90% Payment includes			171,028,535.75
3	provision of Service building at Stations/LC gates/IBH.		Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings	1.13%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and		Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all	only 90% Payment includes	171,028,535.75		
3	provision of Service building at Stations/LC	11.31%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of		Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and		Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all	only 90% Payment includes			
4	provision of Service building at Stations/LC gates/IBH.		Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings	1.13%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and		Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all	only 90% Payment includes	171,028,535.75		171,028,535.75 1,512,113,545.19
4	provision of Service building at Stations/LC gates/IBH.	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings	1.13%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project.	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project.	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance	1.13%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach	1.13%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems,	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for TCAS system	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach System applicable for first	1.13%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15.	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach System applicable for first four years from the date	1.13%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be executed under the supervision of	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for TCAS system	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach System applicable for first	1.13%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Moderns, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be executed under the supervision of Division and Authority for this purpose will be Sr.DSTE/DHN and	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for TCAS system	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach System applicable for first four years from the date	1.13%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be executed under the supervision of	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for TCAS system	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach System applicable for first four years from the date	1.13%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Moderns, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be executed under the supervision of Division and Authority for this purpose will be Sr.DSTE/DHN and	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for TCAS system	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach Sour years from the date of completion certificate.	1.13% 100.00% 0.00%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Moderns, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be executed under the supervision of Division and Authority for this purpose will be Sr.DSTE/DHN and Sr.DSTE/DDU for respective Divisions.	0.91%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause 17.	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for TCAS system	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach System applicable for first four years from the date of completion certificate.	1.13%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be executed under the supervision of Division and Authority for this purpose will be Sr.DSTE/DHN and Sr.DSTE/DDU for respective Divisions.	100.00%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause 17.	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for TCAS system	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach System applicable for first four years from the date of completion certificate. 2.9 Annual Maintenance	1.13% 100.00% 0.00%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Moderns, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be executed under the supervision of Division and Authority for this purpose will be Sr.DSTE/DHN and Sr.DSTE/DDU for respective Divisions.	0.91%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause 17. 2.9.1.1 Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance Will be done monthly based on Monthly Dayment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance Payment Payment for Maintenance Payment Payment for Maintenance Payment Pay	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for TCAS system	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach System applicable for first four years from the date of completion certificate. 2.9 Annual Maintenance Obligation for Kavach	1.13% 100.00% 0.00%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be executed under the supervision of Division and Authority for this purpose will be Sr.DSTE/DHN and Sr.DSTE/DDU for respective Divisions.	0.91%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause 17. 2.9.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause 17.	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for TCAS system	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach System applicable for first four years from the date of completion certificate. 2.9 Annual Maintenance Obligation for Kavach System applicable from Completion certificate.	1.13% 100.00% 0.00%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be executed under the supervision of Division and Authority for this purpose will be Sr.DSTE/DHN and Sr.DSTE/DDU for respective Divisions. 2.9.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15.	0.91%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause 17. 2.9.1.1 Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance Will be done monthly based on Monthly Dayment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance will be done monthly based on Monthly Payment for Maintenance Payment Payment for Maintenance Payment Payment for Maintenance Payment Pay	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for TCAS system	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach System applicable for first four years from the date of completion certificate. 2.9 Annual Maintenance Obligation for Kavach System applicable from Fifth year to Fifteenth	1.13% 100.00% 0.00%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be executed under the supervision of Division and Authority for this purpose will be Sr.DSTE/DHN and Sr.DSTE/DDU for respective Divisions. 2.9.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be executed under the supervision of	0.91%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause 17. 2.9.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause 17.	only 90% Payment includes	171,028,535.75		
4	provision of Service building at Stations/LC gates/IBH. Total: Annual Maintenance Obligation for TCAS system	100.00%	Provision Service building at stations and LC/IBH. 2.7 Overall completion of service buildings Total: 2.8 Annual Maintenance Obligation for Kavach System applicable for first four years from the date of completion certificate. 2.9 Annual Maintenance Obligation for Kavach System applicable from Fifth year to Fifteenth year from the date of	1.13% 100.00% 0.00%	Survey, design and construction of Service Building at station and Relay hut at LC/IBH including Fire alarm system, electrical wiring, fittings with complete doors, windows and floorings and any other requirements as per approved drawings. 2.7.1 Completion of the Service building in all respect and commissioning of the entire work included in the whole project. 2.8.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be executed under the supervision of Division and Authority for this purpose will be Sr.DSTE/DHN and Sr.DSTE/DDU for respective Divisions. 2.9.1 Annual Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance for Kavach System including Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be Sr.DSTE/DHN and Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15. Note: This Maintenance will be Sr.DSTE/DHN and Stationary TCAS, Loco TCAS, NMS, Test benches, Labs, Radio Modems, antenna, Power supply, etc in accordance with Clause 15.	0.91%	Payment shall be made on completion of Survey and Design works and approval of these drawings by authority for service building / Relay Hut and construction of service building on pro rata basis with respect total Built-up area of Service building & Relay Hut in the Section. 2.7.1.1 payment shall be made on completion of all Buildings/ Relay Huts in all respect in the entire section included in the project. 2.8.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause 17. 2.9.1.1 Payment for Maintenance will be done monthly based on Monthly Maintenance Payment Statement on pro rata basis in accordance with Clause 17.	only 90% Payment includes	171,028,535.75		
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