

SECTION 5: BILL OF QUANTITIES

i). BOQ FOR INSTALLATION

COST ESTIMATION FOR SUPPLY, INSTALL & COMMISSIONING CONTRACT FOR CCTV SYSTEM, INTEGRATED ELECTROMAGNETIC DOOR LOCK & BIOMETRIC SYSTEM, AND SMOKE DETECTOR ALARM SYSTEM AT RICB OFFICES & SALVAGE YARD						
Sl. NO	Description of item	Unit	Qty	Rate (Nu)		Amount (Nu)
				Figure	Words	
1	Providing, rectifying, installing a CCTV Solutions (iso certified for quality or equivalent), with PTZ, IP Camera Dome, Bullet IP camera and other accessories required including all necessary safety features and in accordance with the particulars of CCTV Solutions service requirement and technical specifications (as per tender documents) etc., including getting approval/obtaining completion certificate in co-ordination with client from the BSB inspectorate of Government of Bhutan for installation and commissioning of CCTV Solutions, before handing over the entire installation as required for Royal Insurance Corporation of Bhutan. (To be read in conjunction with the complete tender document). The bidder must quote the rate including all the items of work and carry out the work as per directives from the engineer in charge.	Each	13			
1	Providing, rectifying, installing Biometric system (iso certified for quality or equivalent), integrating with electromagnetic door lock system with all the other accessories and Including all necessary safety features and exit switch in accordance with the particulars of Biometric system service requirement and technical specifications (as per tender documents) etc., including getting approval/obtaining completion certificate in co-ordination with client from the BSB inspectorate of Government of Bhutan for installation and commissioning of Biometric system , before handing over the entire installation as required for Royal Insurance Corporation of Bhutan. (To be read in conjunction with the complete tender document). The bidder must quote the rate including all the items, works and all the necessary items and please proceed with the work after consulting with the engineer in charge).	Each	10			



Bidding Document for Installation & Providing AMC for CCTV, Smoke Detector & Integrated Electromagnetic locking system with Biometric Device and Automatic Sliding Door -2023

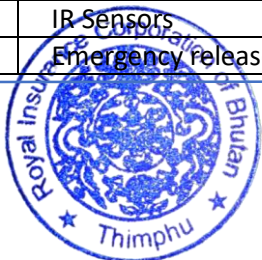
1	<p>Providing, rectifying, installing Electromagnetic lock system (iso certified for quality or equivalent), with all the other accessories on aluminum door and upgrading the present door with controlled access to employees biometric and card system and automatic lock system. Including all necessary safety features and in accordance with the particulars of Electromagnetic lock system service requirement and technical specifications (as per tender documents) etc., including getting approval/obtaining completion certificate in co-ordination with client from the BSB inspectorate of Government of Bhutan for installation and commissioning of Electromagnetic lock system, before handing over the entire installation as required for Royal Insurance Corporation of Bhutan. (To be read in conjunction with the complete tender document). The bidder must quote the rate including all the items, works and all the necessary items and please proceed with the work after consulting with the engineer in charge).</p>	Each	10			
1	<p>Providing, rectifying, installing Standalone Smoke detector alarm system (iso certified for quality or equivalent), with all the other accessories on Including all necessary safety features and in accordance with the particulars of Standalone Smoke detector alarm system service requirement and technical specifications (as per tender documents) etc., including getting approval/obtaining completion certificate in co-ordination with client from the BSB inspectorate of Government of Bhutan for installation and commissioning of Standalone Smoke detector alarm system , before handing over the entire installation as required for Royal Insurance Corporation of Bhutan. (To be read in conjunction with the complete tender document). The bidder must quote the rate including all the items, works and all the necessary items and please proceed with the work after consulting with the engineer in charge).</p>	Each	141			
Total Amount (Nu)						



ii). BOQ for AMC

Comprehensive maintenance contract for the period of five years (60 months) for all the CCTV system, Automatic sliding door system, Integrated Biometric system and Electromagnetic door lock system, and Standalone smoke detector system (Monthly, quarterly, half yearly and annual preventive and corrective maintenance, repair and support at RICB offices and olakha salvage yard, inclusive of all materials, consumables, spares, labour, testing instrument, transportation of materials and parts, etc as required). spares parts used in maintenance and repair shall be paid separately based on the invoice (for missing items)/ quoted rate submitted by the contractor.

Sl. No	Description of item	Unit	Rate (Nu)		Amount (Nu)
			Figure	Words	
1	Providing and fixing materials for all CCTV system comprised in RICB, CCTV maintenance used as per requirement during AMC should be change on following amount. (To be read in conjunction with the complete tender document).				
	HD bullet camera	Each			
	HD dome camera	Each			
	PTZ Camera	Each			
	Video recorder (NVR) and display	Set			
	POE switches	Each			
	Hard Disk	Each			
	Cables	Sq.M			
	Connectors & connections	Set			
	Troubleshooting	Each			
	Routine Preventive Check and Cleaning	Each			
2	Providing and fixing materials for all automatic sliding door comprised in RICB, automatic sliding door maintenance used as per requirement during AMC should be change on following amount. (To be read in conjunction with the complete tender document).				
	Glass door panels	Sq.M			
	Tracks	Set			
	Rollers	Set			
	Motor	Set			
	Controller	Set			
	IR Sensors	Set			
	Emergency release button	Set			



	Security features	Set			
	Fire safety features	Set			
	Routine Preventive Check and Cleaning	Each			
3	Providing and fixing materials for all integrated biometric system and electromagnetic lock system comprised in RICB, integrated biometric system and electromagnetic lock system maintenance used as per requirement during AMC should be change on following amount. (To be read in conjunction with the complete tender document).				
	Biometric dual reader, i.e., facial, fingerprint and card reader.	Each			
	magnetic lock complete set (as per specification installed)	Each			
	Matching algorithm	Each			
	Biometric card	Each			
	mounting box.	Each			
	emergency exit switch box/override capability with break glass (internal manual override key brackets external).	Each			
	No touch exit button mechanism	Each			
	3.2-amp battery backup power supply 12 V- 220VAC/12VDC, SMPS, low voltage cutout over current protection – feed from dedicated outlets	Each			
	12V AH sealed lead acid battery – maintenance free.	Each			
	enrolment reader-MSO (or equivalent) with verification licence, required for PC enrolment.	Each			
	Routine Preventive Check and Cleaning	Each			
4	Providing and fixing materials for all standalone smoke detector system comprised in RICB, standalone smoke detector system maintenance used as per requirement during AMC should be change on following amount. (To be read in conjunction with the complete tender document).				
	Sensor	Each			
	Alarm	Each			
	Battery	Each			
	Power cord	Each			
	Honeywell smoke detector	Each			
	Routine Preventive Check and Cleaning	Each			
Total Maintenance Cost (Nu)					



