

Republic of the Philippines
Department of Science and Technology
PHILIPPINE SCIENCE HIGH SCHOOL-BICOL REGION CAMPUS
Tagongtong, Goa, Camarines Sur

SUMMARY OF BILL OF QUANTITIES

NAME OF PROJECT: _____

LOCATION: _____

BIDDER: _____

ITEM NO.	DESCRIPTION	TOTAL COST
I	FIBER OPTIC CABLING SYSTEM WITH STAR TOPOLOGY DESIGN	_____
II	STRUCURED CABLING	_____
III	SUPPLIES AND INSTALLATION OF INFORMATION BOARD SYSTEM	_____
IV	UPGRADING OF PABX	_____
V	RENOVATION OF SERVER ROOM	_____
VI	SUPPLY AND INSTALLATION OF CLOSED CIRCUIT TELEVISION (CCTV)	_____
VII	INSTALLATION AND ENGINEERING WORKS	_____

TOTAL BID COST: _____

AMOUNT IN WORDS: _____

Submitted by:

Name of Bidder

Republic of the Philippines
Department of Science and Technology
PHILIPPINE SCIENCE HIGH SCHOOL-BICOL REGION CAMPUS
Tagongtong, Goa, Camarines Sur

BILL OF QUANTITIES

NAME OF PROJECT: _____

LOCATION: _____

BIDDER: _____

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
I	FIBER OPTIC CABLING SYSTEM WITH STAR TOPOLOGY DESIGN				
	Installation of fiber optic Cabling. The Cabling System must be end- to-end solution and must satisfy or exceed the fiber cabling requirements for backbone of data and voice communication & CCTV.				
	Materials				
	1. FOC 24-core Single mode	2000	meters		
	2. Messenger	40	meters		
	3. FDU 12 core	15	pcs		
	4. Pigtail for FDU	100	pcs		
	5. Patch cord	70	pcs		
	6. FOC Closure	6	pcs		
	7. Media Converter	7	units		
	8. SFP Transceiver SX Module	15	units		
	9. 13" 8 Port Managed Switch + 10 port SFP	3	units		
	10. IPv6 Managed 8-Port 10/100/1000mbps + 2 port	7	units		
	11. PVC Pipe PNS 2"	350	pcs		
	12. PVC long elbow 2"	45	pcs		
	13. PVCC Clamp 2"	5	pcs		
	14. AR5 Clip	5	packs		
	15. kim wipes	1	packs		
	16. U bolt	1	lot		
	17. Post for CCTV	12	pcs		
	18. Excavation and backfilling				
	19. Other materials needed to complete the item				
	SUB TOTAL:				
II	STRUCURED CABLING				
	Materials				
	1. Unshielded Twisted Pair (UTP) CAT-6 cables	5	boxes		
	2. CAT -6 RJ45 connector	400	pcs		
	3. Rubber boots for CAT-6 connectors	400	pcs		
	4. Information Outlet (CAT-6)	70	pcs		
	5. Face Plates	70	pcs		
	6. Patch panel	4	units		
	7. Patch cords	70	pcs		
	8. Cable management 1U	4	units		
	9. Switch (24 port manage switch)	4	units		
	10. IDF Closed Type Rack (Wall Mounted)	1	unit		
	11. PVC pipes	40	pcs		
	12. Plastic mouldings	50	pcs		
	13. Closed Type Rack 6 feet height x 800mm width x 11	1	unit		
	14. Other materials needed to complete the item				
	SUB TOTAL:				
III	SUPPLIES AND INSTALLATION OF INFORMATION BOARD SYSTEM				
	1. Smart TV 55" (Compatible for networking)	9	units		
	2. Unshielded Twisted Pair (UTP) CAT-6 cables	2	boxes		
	3. Other materials needed to complete the item				
	SUB TOTAL:				

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IV	IP-PABX (UPGRADING OF PABX)				
	1. Upgrading and Relocation of PABX system (Digital IP-PBX 30 Ports or Higher)	1	lot		
	2. Phone Unit	27	unit		
	3. Unshielded Twisted Pair (UTP) CAT-6 cables	2	Boxes		
	4. Other materials needed to complete the item				
	SUB TOTAL:				
V	RENOVATION OF SERVER ROOM				
	Scope of Work				
	1. Replacement of existing windows	1	unit		
	2. Installation of Glass Partition	1	unit		
	3. Installation of ½ inch Tempered Glass Door with stainless handle	1	unit		
	4. Modular table and chair	2	sets		
	5. Installation of Cabinets and fixtures	2	units		
	SUBTOTAL:				
VI	SUPPLY AND INSTALLATION OF CLOSED CIRCUIT TELEVISION (CCTV)				
	1.Fixed Camera	36	units		
	i. To be installed inside the corridor of identified buildings				
	ii. IP Camera				
	iii. HD resolution 1080 Video Output, 2MP Resolution				
	iv. Image Sensor Progressive Scan CMOS				
	v. Mechanical IR Cut Filter				
	vi. Adaptive IR LED				
	vii. Compression: H.264, MPEG-4 SP, MJPEG				
	viii. Multi-Streaming: Dual Streaming				
	ix. Network Connection : RJ45				
	x. ONVIF Compliant				
	xi. Power Source: PoE CE, IP66, UL				
	xii. Mounting bracket included				
	2. IP-Based PTZ Camera	20	units		
	i. Installed outside of the building perimeter				
	ii. HD Resolution 1080 Video Output, 2MP Resolution, 20X optical zoom, 16X digital zoom				
	iii. PTZ Outdoor IP Camera				
	iv. Image Sensor Progressive Scan CMOS				
	v. Mechanical IR Cut Filter 20X optical zoom, 16X digital zoom				
	vi. Adaptive IR LED				
	vii. Compression: H.264, MPEG-4 SP, MJPEG				
	viii. Multi-Streaming: Dual Streaming				
	ix. Network Connection: RJ45				
	x. Environmental Casing: Weatherproof (IP68); Vandal proof (IK10)				
	xi. ONVIF Compliant				
	xii. Power Source: PoE CE, IP66, UL				
	xiii. Mounting bracket included				
	3. Network Video Recorder (NVR)	1	set		
	i. Specifications for software-based NVR compatible with windows platform.				
	ii. Intel Xeon E5-2407 processor or Higher				
	iii. 8GB DDR-1333 (2 x 4GB) memory or higher				
	iv. 8TB storage or higher				
	v. Ethernet 1GB 4-port 3661 Adapter network controller				
	vi. Installed with windows Server Operating System				
	vii. 2 x 3 channel with 8TB SATA HDD or higher				
	viii. Surveillance HDD to accommodate 30 days retention (for 56 camera)				
	SUBTOTAL:				

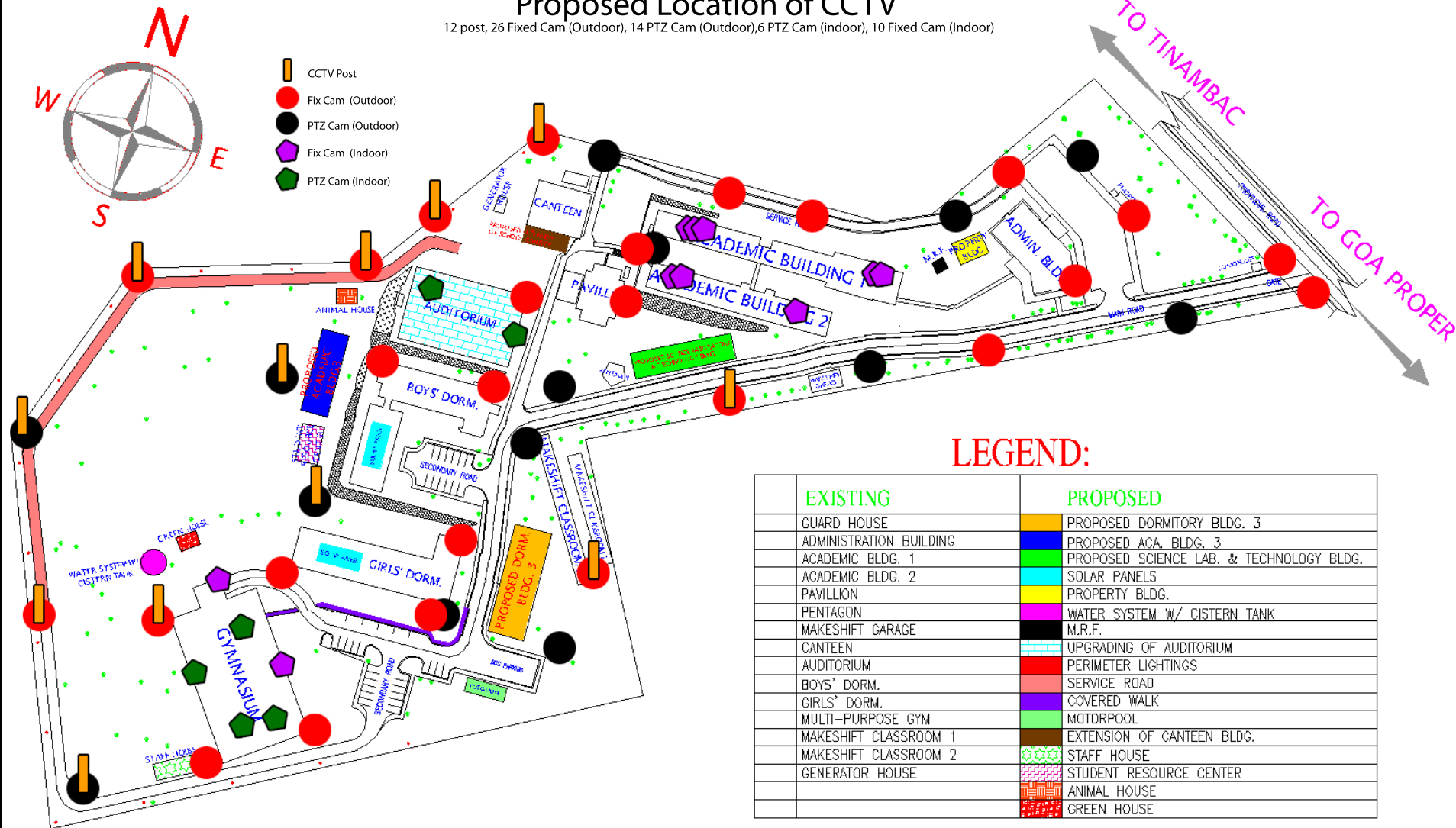
ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
VII	INSTALLATION AND ENGINEERING WORKS				
	1. Labor	1	lot		
	2. Testing & Commissioning	1	lot		
	SUBTOTAL:				

TOTAL BID AMOUNT _____

AMOUNT IN WORDS: _____

Proposed Location of CCTV

12 post, 26 Fixed Cam (Outdoor), 14 PTZ Cam (Outdoor), 6 PTZ Cam (indoor), 10 Fixed Cam (Indoor)



SITE DEVELOPMENT PLAN

PHILIPPINE SCIENCE HIGH SCHOOL-BRC

LOCATION OF DATA AND VOICE STRUCTURED CABLING

FOR DATA

ACADEMIC BUILDING 1

Ground Floor

-	Registrar's office	-	2
-	BAC office	-	1
-	SSD office	-	2
-	CISD office	-	1
-	Discipline office	-	1
-	Faculty Room	-	24
-	Clinic	-	1

2nd Floor

-	Publication office	-	1
-	Guidance office	-	2
-	School Paper Room	-	1
-	Research Hub	-	20

ACADEMIC BUILDING 2

Ground Floor

-	Biology Lab	-	1
-	Research Lab	-	1
-	Chem Lab	-	1
-	Physics Lab	-	1

TOTAL: 60

FOR VOICE (IP-PABX)

ACADEMIC BUILDING 1

Ground Floor

- Registrar's office
- BAC office
- SSD office
- CISD office
- Discipline office
- Faculty Room
- Clinic

2nd Floor

- Publication office
- Guidance office
- Research Hub

ACADEMIC BUILDING 2

Ground Floor

- Science Research Office

2nd Floor

- Server Room

3rd Floor

- Library Room

ADMIN BLDG.

- Director's Office
- Operator
- FAD

- COA
- CASHIER
- ACCOUNTING
- BUDGET
- SUPPLY
- ENGINEERING Office

BOYS DORMITORY BLDG.

- Boys Dorm Manager's Office

GIRLS DORMITORY BLDG

- Girls Dorm Manager's Office

CANTEEN BUILDING

- Canteen Office

GYMNASIUM

- Gym Office

GUARD HOUSE

- Gourd house

TOTAL: 27

INFOBOARD SYSTEM

GUARD HOUSE
 ADMIN BUILDING
 ACADEMIC BUILDING 1
 CANTEEN
 AUDITORIUM
 BOYS DORM
 GIRLS DORM
 GYMNASIUM

TOTAL: 8

INDOOR CAMERA

ACADEMIC BUILDING 1			
Ground Floor	-		1
2 nd Floor	-		2
3 rd Floor	-		2
ACADEMIC BUILDING 2			
Ground Floor	-		1
2 nd Floor	-		2
AUDITORIUM	-		2
GYMANASIUM	-		6
TOTAL:			16