

UNITED STATES DEPARTMENT OF STATE
BREAKDOWN OF PRICE BY DIVISIONS OF SPECIFICATIONS

1	2	3	4	5	6
DIVISION/DESCRIPTION	LABOR	MATERIALS	OVERHEAD	PROFIT	TOTAL
1. General Requirements/Mobilization					
2. Site Work					
3. Concrete					
4. Masonry					
5. Metals					
6. Wood and Plastic					
7. Thermal and Moisture					
8. Doors and Windows					
9. Finishes					
10. Specialties					
11. Equipment					
12. Furnishings					
13. Special Construction					
14. Conveying Systems					
15. Mechanical					
16. Electrical					
TOTAL					

Colombian Pesos

Allowance Items:

PROPOSAL PRICE TOTAL:

Alternates (list separately do not total)

Offeror: _____

Date _____



OFICIAL BREAKDOWN CHART

PROJECT: NEW LODGING BUILDING

Place: THE CNP AVIATION SCHOOL IN MARIQUITA

Date:

BASE BID
LODGING BLOCK 1 + EXTERIORS WORKS + TECHNICAL ROOM

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
1	PRELIMINARY ACTIVITIES					
1.1	Camp 36 m ²	GBL	1.00			
1.2	Location and laying out	GBL	1.00			
1.3	Fencing the site in ecological canvas, enclosure with two access doors	GBL	1.00			
1.4	Security tape	GBL	1.00			
1.5	Marking designation of the job site	GBL	1.00			
1.6	Removal, relocation and replantation of existing trees	GBL	1.00			
1.7	Partial electrical installation	GBL	1.00			
1.8	Partial hydraulical installation including camp restroom	GBL	1.00			
1.9	Camp dismantling	GBL	1.00			
2	EXCAVATIONS AND FILLING MATERIAL					
2.1	Mechanical Clearing height=0,20m	GBL	1.00			
2.2	Manual excavation, moving, loading and retrieval	GBL	1.00			
2.3	Machine managed land filling with compacted Granular Sub Base GSB-1 or GSB-2	GBL	1.00			
2.4	Manual land filling using selected materials	GBL	1.00			
2.5	Landscaping land removal by using selected material	GBL	1.00			
2.6	Mechanical digging and	GBL	1.00			
2.7	Drainage filters for underground water	GBL	1.00			
2.8	Channel Type 1	GBL	1.00			
2.9	Channel Type 2	GBL	1.00			
3	STRUCTURES IN CONCRETE, REINFORCEMENT STEEL AND STEEL STRUCTURES					
3.1	CONCRETE					
3,1,1	Concrete for footings and pedestal bases	GBL	1.00			
3,1,2	Concrete for 40x25 foundation beams	GBL	1.00			
3,1,3	Sub floor slab e=10cm	GBL	1.00			
3,1,4	Concrete for Columns	GBL	1.00			
3,1,5	Concrete for areal slab with disposable wooden forms h=0.30 cm	GBL	1.00			
3,1,6	Concrete for aerial beams	GBL	1.00			



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LODGING BLOCK 1 + EXTERIORS WORKS						
3,1,7	Concrete for non-structural elements	GBL	1.00			
3,1,8	Copncrete for access eaves	GBL	1.00			
3,1,9	17.5 Mpa Cyclopean Concrete	GBL	1.00			
3,1,10	Concrete for Channels	GBL	1.00			
3.2 REINFORCEMENT STEEL AND STEEL STRUCTURES						
3,2,1	Rebar (steel reinforcement) for footings	GBL	1.00			
3,2,2	Rebar (steel reinforcement) for foundation beams 40x25	GBL	1.00			
3,2,3	Rebar (steel reinforcement) for floor slab. E=10cm mesh type 10 ref L 15 x 15 - 4 x 4 M-084 Diaco	GBL	1.00			
3,2,4	Reinforced steel columns.	GBL	1.00			
3,2,6	Rebar (steel reinforcement) for aerial slab	GBL	1.00			
3,2,5	Rebar (steel reinforcement) for aerial beams	GBL	1.00			
3,2,7	Rebar (steel reinforcement) for non structural elements	GBL	1.00			
3,2,8	Rebar (steel reinforcement) for access eaves	GBL	1.00			
3,2,9	Rebar (steel reinforcement) for channels	GBL	1.00			
4 MASONRY						
4.1	Walls in N° 5 caly block e= 0.15 m or equivalent	GBL	1.00			
4.2	Walls in N° 5 caly block e= 0.15 m or equivalent	GBL	1.00			
4.3	Walls in N° 5 caly block e= 0.25 m or equivalent	GBL	1.00			
4.4	Walls in N° 5 caly block e= 0.25 m or equivalent	GBL	1.00			
4.5	Wall built with light solid clay brick (compact made)	GBL	1.00			
4.6	Platform built with light solid clay brick (compact made)	GBL	1.00			
5 CEILINGS						
5.1	Ceiling made of 12 mm drywall with two coats of paint	GBL	1.00			
5.2	Two-face drywall linear 12 cms e/12 cm with two coats of paint	GBL	1.00			
5.3	Superboard e=1,5 cm for eaves	GBL	1.00			
5.4	Superboard e=1,5 cm for eaves	GBL	1.00			
5.5	12 cms x 2,4 cms Teca boards ceiling	GBL	1.00			



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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
6	ELECTRICAL INSTALLATIONS					
6.1	OUTLETS					
6,1,1	Outlet for internal lights in 3/4" PVC conduit with 12 AWG copper conductors. It also includes switch, electric outlet, supports, boxes, labels and accesories/fittings needed to complete the working outlet. It includes single, double or triple pole switch and selectable switches proportionally	GBL	1.00			
6,1,2	Outlet for external lights in 3/4" PVC conduit with 12 AWG copper conductors. It includes switch, outlet, supports, boxes, labels and accessories/fittings needed to complete the working outlet. It also includes the switch.	GBL	1.00			
6,1,3	Double outlet with levinton type or equivalent gfcı grounding	GBL	1.00			
6,1,4	Double outlet with levinton type or equivalent grounding	GBL	1.00			
6,1,6	Two-phase outlet for air conditioning systems	GBL	1.00			
6,1,7	Television outlet	GBL	1.00			
6,1,8	Roof fan and fan controller outlet	GBL	1.00			
6.2	LIGHTING EQUIPMENT					
6,2,1	Supply and installation of 60 w lamp	GBL	1.00			
6,2,2	Supply and installation of T5 de 2x28w 120v. Fluorescent lamp	GBL	1.00			
6,2,3	Supply and installation of 50w fluorescent tobacco type lamp, energy saving with 6,000 hours of useful life.	GBL	1.00			
6,2,4	Supply and installation of prescence detector	GBL	1.00			
6.3	SCREENING AND GROUNDING SYSTEM SUBSTATION					
6,3,1	Inspection well with 30 x 30 cm frame and lid for substation grounding	GBL	1.00			
6,3,2	AWG n° 2/0 bare copper wire for interconnection between rods and screening ring and grounding system substation.	GBL	1.00			
6,3,3	3 mt galvanized Ø1 1/4" tubing polesin the roof, including anchoring an support elements	GBL	1.00			
6,3,4	Screening downspout in 1" PVC tubing embedded in walls to floor level with 2/0 bare copper wire.	GBL	1.00			
6,3,5	Dehl aluminun wire support ref. 223040 or equivalent, 1.4 m maximum distance in-between each	GBL	1.00			



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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
6.5 MEDIUM VOLTAGE NETWORK						
6,5,1	Double distribution box according to ENERTOLIMA regulation	GBL	1.00			
6,5,2	Copper wire xlpe 3x2 awg	GBL	1.00			
6,5,3	2x4" channeling according to ENERTOLIMA regulation	GBL	1.00			
6,5,4	MV System opening in 4" imc pipe 6 mt with 3/4" bandit tape. Includes 4" pvc elbow and resin to clos the upper side of the pipe to avoid the entrance of water.	GBL	1.00			
6,5,5	Grounding of connection service entrance mt (cu-cu rod 2.4mx5/8", 4 awg bare copper wire, exothermic welding, 6 m 3/4" imc tube, 3/4" bandit tape and rod treatment with 45 kg artificial soil	GBL	1.00			
6,5,6	Service entrance structure mt type ENERTOLIMA, underground installation of primary circuit includes underground network disconnect or 15kv circuit breaker to protect the new network and lightning arrester.	GBL	1.00			
6,5,7	Installation of 150 KVA 13200/208/127 v pedestal type transformer and DPS A Category .	GBL	1.00			
6,5,8	Distribution box ENERTOLIMA 60x60.	GBL	1.00			
6,5,9	Supply of pedestal type 150 KVA transformer 13200/208/127.	GBL	1.00			
6.6 LOW VOLTAGE NETWORK						
6,6,1	Connection 2(3x250+1x4/0) s/e- Trns and Plant to trans	GBL	1.00			
6,6,2	2X3" Channeling	GBL	1.00			
6,6,3	1 1/4" Pipes	GBL	1.00			
6,6,4	1 1/2" Pipes	GBL	1.00			
6,6,5	Connection 4x8+1x8t	GBL	1.00			
6,6,6	Connection 3 x 4+6+8T	GBL	1.00			
6,6,7	1" Pipes	GBL	1.00			
6,6,8	3/4" Pipes	GBL	1.00			
6,6,9	10x10x7 Distribution Box	GBL	1.00			
6,6,10	15x15x10 Distribution Box	GBL	1.00			
6,6,11	24-circuit board with space for industrial breaker. Includes industrial breaker and protectors based on load charts.	GBL	1.00			



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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
6,6,12	30-circuit board with space for industrial breaker. Includes industrial breaker and protectors based on load charts.	GBL	1.00			
6,6,13	Installation of General Board based on specifications. Includes protectors and category A dps.	GBL	1.00			
6,6,14	3 x 400 amp Totalizer breaker to install in the LV compartment of the transformer	GBL	1.00			
6.7 TV- FANS AND FIRE DETECTION						
6,7,2	Supply and Installation of Macom MCM-30 Peak TV signal amplifier for VHF 31 db	GBL	1.00			
6,7,3	Supply and Installation of 10-element TV antenna	GBL	1.00			
6,7,4	3 blades home roof fan, with wall control and accesories.	GBL	1.00			
6,7,5	Supply and installation oif photoelectric wirles fire detector with 9V battery and 85db warning low voltage alarm.	GBL	1.00			
7 HYDRAULIC AND SANITARY INSTALLATIONS						
7.1 SUPPLY SYSTEM						
7,1,1	Supply and Installation of PVC-Z 8" Pipes	GBL	1.00			
7,1,2	Supply and Installation of PVC 4" Pipes	GBL	1.00			
7,1,3	Supply and Installation of PVC 3" Pipes	GBL	1.00			
7,1,4	Supply and Installation of HG 3" Pipes	GBL	1.00			
7,1,5	Supply and Installation of HG 1" Pipes	GBL	1.00			
7,1,6	Supply and Installation of PVC-Z 8" Fittings	GBL	1.00			
7,1,7	Supply and Installation of HF 8" Fittings	GBL	1.00			
7,1,8	Connection with Existing 8" System	GBL	1.00			
7,1,9	Supply and Installation of PVC 4" Fittings	GBL	1.00			
7,1,10	Supply and Installation of PVC 3" Fittings	GBL	1.00			
7,1,11	Supply and Installation of HF 3" Fittings	GBL	1.00			
7,1,12	Supply and Installation of 2" Gate Valve	GBL	1.00			
7,1,13	Supply and Installation of HG 1" Fittings	GBL	1.00			
7,1,14	Supply and Installation of 1" Float Valve	GBL	1.00			
7,1,15	Supply and Installation of 1" Gate Valve	GBL	1.00			
7,1,16	Supply and Installation of 3" Gate Valve	GBL	1.00			



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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
7,1,17	Supply and Installation of 3" Retention Valve	GBL	1.00			
7.1.2	SUPPLY MAIN SYSTEM					
7,1,2.1	2" PVC system	GBL	1.00			
7,1,2.2	1 1/2" PVC system	GBL	1.00			
7,1,2.4	1" PVC system	GBL	1.00			
7,1,2.5	Supply and Installation of PVC 2" Fittings	GBL	1.00			
7,1,2.6	Supply and Installation of PVC 1 1/2" Fittings	GBL	1.00			
7,1,2.7	Supply and Installation of PVC 1" Fittings	GBL	1.00			
7.1.3	WATER POINT-OF-USE FIXTURE					
7,1,3.1	Cold Water Point-of-Use Fixture	GBL	1.00			
7,1,3.2	Supply and Installation of 1" Gate Valve	GBL	1.00			
7.2	STORAGE TANKS					
7,2,1	1500 liter Tanks	GBL	1.00			
7.3	DRAINAGE SYSTEM					
7.3.1	External sewage drainage system					
7,3,1.1	Supply and installation of Novafort 8" pipes	GBL	1.00			
7,3,1.2	Inspection well D=1.2 m	GBL	1.00			
7,3,1.3	Supply and Installation of PVC 4" Pipes	GBL	1.00			
7.3.2	Internal sewage drainage system					
7,3.2.1	Supply and Installation of PVC 8" Pipes	GBL	1.00			
7,3.2.2	Supply and Installation of PVC 6" Pipes	GBL	1.00			
7,3.2.3	Supply and Installation of PVC 4" Pipes	GBL	1.00			
7,3.2.4	First Floor Sanitary Point-of -use, includes ventilation system	GBL	1.00			
7,3.2.5	Second Floor Sanitary Point-of -use, includes ventilation system	GBL	1.00			
7,3.2.6	Wastewater Downspouts, Includes main ventilation	GBL	1.00			
7.4	STORMWATER					
7.4.1	Rainwater Downspouts					
7,4,1.1	4" PVC Downspouts	GBL	1.00			
7.4.2	STORMWATER SYSTEM					
7,4,2.1	PVC 4" Pipes	GBL	1.00			
7,4,2.2	PVC 6" Pipes	GBL	1.00			
7,4,2.3	Supply and Installation of PVC 4" Fittings	GBL	1.00			



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LODGING BLOCK 1 + EXTERIORS WORKS						
7,4,2,4	Supply and Installation of PVC 6" Fittings	GBL	1.00			
7,4,3	Filter System					
7,4,3,1	Pierced Filter Pipes 4"	GBL	1.00			
7,4,3,2	Geotextile NT2000	GBL	1.00			
7,4,3,3	Gravel 1/2"	GBL	1.00			
8	AIR CONDITIONING INSTALLATIONS					
8.2	TUBING AND REFRIGERATION ACCESSORIES					
8,2,1	Type K insulated copper tubing, 1/2"x1/4" diameter	GBL	1.00			
9	WALL CEMENT COVERING (PLASTER)					
9.1	Waterproof plaster 1:4 with tackifier for interiors	GBL	1.00			
9.2	Waterproof plaster linear 1:4 with tackifier	GBL	1.00			
9.3	Edges and dilatations	GBL	1.00			
10	ROOFING					
10.1	Simple roof tiles in aluzinc c = 24 Ref 500 c or its like. It includes labor and transportation. Include. Of Hunter douglas or equivalent. Include Fiber glass wool with paper 3 1/2". Instaled under roof and clamped with galvanized wire. C= 14	GBL	1.00			
10.2	Metallic structure for roofing	GBL	1.00			
11	FLOOR BASES					
11.1	Floor Readiness Mortar th=4.50cm	GBL	1.00			
11.2	Waterproofed Floor Readiness Mortar th=4.50cm	GBL	1.00			
11.3	Masonry benches for niches	GBL	1.00			
12	TILES					
12.1	Supply and installation of Ceramic Valencia by Mancesa for bathroom walls 0.20 x 0.25 or equivalent	GBL	1.00			



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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
12.2	Supply and installation of double traffic gray Urban Ref:486022501 or equivalent porcelanato	GBL	1.00			
12.3	Supply and installation of double traffic gray Urban Ref:486022501 or equivalent porcelanato skirtingboard	GBL	1.00			
12.4	Supply and installation of San Gabriele Black Granite 1.25 x .60 Sink Conutertop with skirtboard.	GBL	1.00			
12.5	Supply and installation of Teca Wood floor in 8cm x 2cm boards.	GBL	1.00			
13 PAINTINGS						
13.1	Koraza 3 coats on plaster or equivalent (Exterior).	GBL	1.00			
13.2	Stucco and vinyl paint (3 coats) or equivalent on plaster (interiors)	GBL	1.00			
13.3	Type 2 latex, 1 coat on drywall ceiling	GBL	1.00			
14 WOOD CARPENTRY						
14.1	P-2 Supply and installation of doors made of Pizano or cativo plywood. A 10 cms high rail of the same thickness as the doors made of sajo wood or ivory will be added at the bottom of the door. The door will have Cypress Camel 1489 F8 Formica veneer or equivalent. It will also have a wood louver made of the same type of wood. This item will include the 18 gauge galvanized sheet door frame with electrostatic coating, four 3" X 3" VERA type hinges or equivalent will be installed based on their distribution in the drawings, Schlage Saturno matte chrome plated cylindrical lock knob or equivalent. Dimensions 0,80m x 2,10	GBL	1.00			
15 METALLIC CARPENTRY						



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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
15.2	P-1 Hollow core caliber 18 sheet steel doors with anticorrosive paint will have an internal longitudinal reinforcement every 10 cm and an additional reinforcement in caliber 3 x 16 metal flange for hinge and lock protection. This item will include the 18 gauge galvanized sheet door frame with electrostatic coating. The clearances between the frames and the walls shall be sealed with silicone, sikaflex or equivalent for soundproofing. Four 3" X 3" VERA or equivalent. Includes Schlage Jupiter Door lever mate chrome or equivalent. Schlage Doble cilinder security lock fix deadbolt cilinder ref:B362 or equivalent	GBL	1.00			
15.6	Metal Staircase					
16	CARPENTRY IN ALUMINUM					
16.1	P-12 Supply and installation of swinging doors and fix in 6mm tempered glass with fittings and anchors in stainless steel. Dimensions 1,80 x 1,52m	GBL	1.00			
16.2	V-1 Window in laminated glass an aluminum frame. Une fixed glass and une hinged opening	GBL	1.00			
16.3	V-2 Window with sand blasted glasslouver of .55 x .55 and aluminum frame	GBL	1.00			
16.4	Supply and setting up of an aluminum and Phifer (or its equivalent) fiberglass insect screen door. It shall be 0.011 in caliber as shown in the architectural detail drawings and location on the plans	GBL	1.00			
17	BATHROOM TOILET AND ACCESSORIES					
17.1	Acuacer Plus by Corona round toilet two pieces or its equivalent, with toilet seat	GBL	1.00			
17.2	Installation of white porcelain enamel sinks Corona brand line PETTITE REF: 01902 or equivalent	GBL	1.00			
17.3	Supply and installation of Roble by Grival line sink faucets or its equivalent Ref: 791229991	GBL	1.00			
17.4	Supply and installation of Roble de Grival line shower faucets and register or its equivalent Ref: OR4100001	GBL	1.00			
17.5	Supply and installation of a 20X20 white, Dinascol, plastic cover for the register or its equivalent	GBL	1.00			
17.6	Supply and installation of round, 3" x 2" aluminum floor drain top. Reference Colrejillas or of equivalent	GBL	1.00			



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LODGING BLOCK 1 + EXTERIORS WORKS						
17.7	Supply and installation of chrome grival fixtures or their equivalent for the bathrooms adjoining the bedrooms. They include toothbrush holder, soap holder, toilet paper holder, ring towel holder, rod towel holder	GBL	1.00			
18 MIRRORS AND DOORBUMPS						
18.1	Cristal mirror 5mm. Dimensions 1.25m x 1.00m E1	GBL	1.00			
18.2	Door bumps "Cazuela" type	GBL	1.00			
19 EXTERIOR WORKS AND CLEANING						
19.1	Sodding with 0.50m x 0.50 grass squares by the sides of the road.	GBL	1.00			
19.2	Cleaning	GBL	1.00			
19.3	Concrete sidewalk e=10 cms. It includes reinforcing steel.	GBL	1.00			
19.4	Concrete outside stairways	GBL	1.00			
TOTAL DIRECT COSTS (Lodging block 1 + exrteriors works)						
TECHNICAL ROOM						
1 PRELIMINARY ACTIVITIES						
1.2	Location and laying out	GBL	1.00			
2 EXCAVATIONS AND FILLING MATERIAL						
2.1	Mechanical Clearing height=0,20m	GBL	1.00			
2.2	Manual excavation, moving, loading and retrieval	GBL	1.00			
2.3	Machine managed land filling with compacted Granular Sub Base GSB-1 or GSB-2	GBL	1.00			
2.6	Mechanical digging and removal	GBL	1.00			
3 STRUCTURES IN CONCRETE, REINFORCEMENT STEEL AND STEEL STRUCTURES						
3.1 CONCRETE						



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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
3,1,1	Concrete for footings and pedestal bases	GBL	1.00			
3,1,2	Concrete for 40x25 foundation beams	GBL	1.00			
3,1,3	Sub floor slab e=10cm	GBL	1.00			
3,1,6	Concrete for aerial beams	GBL	1.00			
3,1,7	Concrete for non-structural elements	GBL	1.00			
3,1,9	17.5 Mpa Cyclopean Concrete	GBL	1.00			
3.2 REINFORCEMENT STEEL AND STEEL STRUCTURES						
3,2,1	Rebar (steel reinforcement) for footings	GBL	1.00			
3,2,2	Rebar (steel reinforcement) for foundation beams 40x25	GBL	1.00			
3,2,3	Rebar (steel reinforcement) for floor slab. E=10cm mesh type 10 ref L 15 x 15 - 4 x 4 M-084 Diaco	GBL	1.00			
3,2,5	Rebar (steel reinforcement) for aerial beams	GBL	1.00			
3,2,7	Rebar (steel reinforcement) for non structural elements	GBL	1.00			
4 MASONRY						
4.1	Muro en Bloque N° 5 o equivalente e=.15 m	GBL	1.00			
4.2	Walls in N° 5 caly block e= 0.15 m or equivalent	GBL	1.00			
5 CEILINGS						
6 ELECTRICAL INSTALLATIONS						
6.1 OUTLETS						
6,1,1	Outlet for internal lights in 3/4" PVC conduit with 12 AWG copper conductors. It also includes switch, electric outlet, supports, boxes, labels and accesories/fittings needed to complete the working outlet. It includes single, double or triple pole switch and selectable switches proportionally	GBL	1.00			
6,1,4	Double outlet with levinton type or equivalent grounding	GBL	1.00			
6.2 LIGHTING EQUIPMENT						
6,2,1	Supply and installation of 60 w lamp	GBL	1.00			
6,2,2	Supply and installation of T5 de 2x28w 120v. Fluorescent lamp	GBL	1.00			
6.3 SCREENING AND GROUNDING SYSTEM SUBSTATION						



OFICIAL BREAKDOWN CHART

PROJECT: NEW LODGING BUILDING

Place: THE CNP AVIATION SCHOOL IN MARIQUITA

Date:

BASE BID
LODGING BLOCK 1 + EXTERIORS WORKS + TECHNICAL ROOM

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
6,3,1	Inspection well with 30 x 30 cm frame and lid for substation grounding					
6,3,2	AWG n° 2/0 bare copper wire for interconnection between rods and screening ring and grounding system substation.	GBL	1.00			
6,3,3	3 mt galvanized Ø1 1/4" tubing polesin the roof, including anchoring an support elements	GBL	1.00			
6,3,4	Screening downspout in 1" PVC tubing embedded in walls to floor level with 2/0 bare copper wire.	GBL	1.00			
6,3,5	Dehl aluminun wire support ref. 223040 or equivalent, 1.4 m maximum distance in-between each	GBL	1.00			
6,3,6	Grounding control box (control joint) in insulating material for insulation of the lightening rods and grounding meter, about 15 x 15 x 10 cm. with electrolithic red copper bars supported on isolator and with two clamp screws terminals for 2/0 cable	GBL	1.00			
6,3,7	Grounding of the lightening rods using 3 5/8" x 8" Copper Weld rods interconnected with bare cable N° 2/0; including thermowelded unions and the ground preparation and the inspection box neares to the lightening rod vertical.	GBL	1.00			
6,3,8	Grounding of the transformer using 3 5/8" x 8" Copper Weld rods interconnected with bare cable N° 2/0; including thermowelded unions and the ground preparation and the inspection box neares to the lightening rod vertical.	GBL	1.00			
6.5 MEDIUM VOLTAGE NETWORK						
6.6 LOW VOLTAGE NETWORK						
6.7 TV- FANS AND FIRE DETECTION						
7 HYDRAULIC AND SANITARY INSTALLATIONS						
7.1 SUPPLY SYSTEM						
7.1.2 MAIUN SUPPLY SYSTEM						
7.1.3 WATER POINT-OF-USE FIXTURE						
7,1,3.1	Cold Water Point-of-Use Fixture	GBL	1.00			
7,1,3.2	Cold Water Point-of-Use Fixture	GBL	1.00			



OFICIAL BREAKDOWN CHART

PROJECT: NEW LODGING BUILDING

Place: THE CNP AVIATION SCHOOL IN MARIQUITA

Date:

BASE BID
LODGING BLOCK 1 + EXTERIORS WORKS + TECHNICAL ROOM

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
7.2	STORAGE TANKS					
7.2.2	Pumping Equipment					
7.2.2.1	Installation of 2x1/2HP Pumping equipment + 160 Liter Hydro Accumulator Tank	GBL	1.00			
7.2.2.2	2x1/2HP Pumping equipment + 160 Liter Hydro Accumulator Tank	GBL	1.00			
7.3	DRAINAGE SYSTEM					
7.3.1	External sewage drainage system					
7.3.1.3	Supply and Installation of PVC 4" Pipes	GBL	1.00			
7.3.2	Internal sewage drainage system					
7.3.2.4	First Floor Sanitary Point-of -use, includes ventilation system	GBL	1.00			
7.4	STORMWATER					
7.4.1	Rainwater Downspouts					
7.4.2	STORMWATER SYSTEM					
7.4.2.1	PVC 4" Pipes	GBL	1.00			
7.4.2.2	PVC 6" Pipes	GBL	1.00			
7.4.2.3	Supply and Installation of PVC 4" Fittings	GBL	1.00			
7.4.2.4	Supply and Installation of PVC 6" Fittings	GBL	1.00			
7.4.3	Filter System					
8	AIR CONDITIONING INSTALLATIONS					
8.2	TUBING AND REFRIGERATION ACCESSORIES					
9	WALL CEMENT COVERING (PLASTER)					
9.1	Waterproof plaster 1:4 with tackifier for interiors	GBL	1.00			
9.2	Waterproof plaster linear 1:4 with tackifier	GBL	1.00			
9.3	Edges and dilatations	GBL	1.00			
10	ROOFING					
10.1	Simple roof tiles in aluzinc c = 24 Ref 500 c or its like. It includes labor and transportation.Include. Of Hunter douglas or equivalent. Include Fiber glass wool with paper 3 1/2". Instaled under roof and clamped with galvanized wire. C= 14	GBL	1.00			
10.2	Metallic structure for roofing	GBL	1.00			



OFICIAL BREAKDOWN CHART

PROJECT: NEW LODGING BUILDING

Place: THE CNP AVIATION SCHOOL IN MARIQUITA

Date:

BASE BID
LODGING BLOCK 1 + EXTERIORS WORKS + TECHNICAL ROOM

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
11	FLOOR BASES					
12	TILES					
13	PAINTINGS					
13.1	Koraza 3 coats on plaster or equivalent (Exterior).	GBL	1.00			
13.4	BASF Mastertop 1116 Epoxy Coat or equivalent for concrete floor	GBL	1.00			
14	WOOD CARPENTRY					
14.1	P-2 Supply and installation of doors made of Pizano or cativo plywood. A 10 cms high rail of the same thickness as the doors made of sajo wood or ivory will be added at the bottom of the door. The door will have Cypress Camel 1489 F8 Formica veneer or equivalent. It will also have a wood louver made of the same type of wood. This item will include the 18 gauge galvanized sheet door frame with electrostatic coating, four 3" X 3" VERA type hinges or equivalent will be installed based on their distribution in the drawings, Schlage Saturno matte chrome plated cylindrical lock knob or equivalent. Dimensions 0,80m x 2,10	GBL	1.00			
15	METALLIC CARPENTRY					
15.1	Fence in metallic pipes of 2" diameter, caliber 10 chain link mesh, it should be framed at a 2" angle.	GBL	1.00			
15.3	P-5, Swinging doors on caliber 10 chain link mesh with 1½" holes framed in 2" galvanized pipes and frame at a 2 x 1/8" angle and secured by 1/2 metal strips on all four sides to prevent it from coming loose. They will include pins between sheets and towards the floor and locks. They will be painted with an anticorrosive and finishing paint. Dimensions 3,00m x 1.90m	GBL	1.00			



OFICIAL BREAKDOWN CHART

PROJECT: NEW LODGING BUILDING

Place: THE CNP AVIATION SCHOOL IN MARIQUITA

Date:

BASE BID
LODGING BLOCK 1 + EXTERIORS WORKS + TECHNICAL ROOM

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
15.4	P-6,Swinging doors on caliber 10 chain link mesh with 1½” holes framed in 2” galvanized pipes and frame at a 2 x 1/8” angle and secured by 1/2 metal strips on all four sides to prevent it from coming loose. They will include pins between sheets and towards the floor and locks. They will be painted with an anticorrosive and finishing paint. Dimensions 1,00m x 1,90m	GBL	1.00			
15.5	P-7,Swinging doors on caliber 10 chain link mesh with 1½” holes framed in 2” galvanized pipes and frame at a 2 x 1/8” angle and secured by 1/2 metal strips on all four sides to prevent it from coming loose. They will include pins between sheets and towards the floor and locks. They will be painted with an anticorrosive and finishing paint. Dimensions 1,60m x 1,90m	GBL	1.00			
16 CARPENTRY IN ALUMINUM						
16.3	V-2 Window with sand blasted glasslouver of .55 x .55 and aluminum frame	GBL	1.00			
17 BATHROOM TOILET AND ACCESSORIES						
17.1	Acuacer Plus by Corona round toilet two pieces or its equivalent, with toilet seat	GBL	1.00			
17.2	Installation of white porcelain enamel sinks Corona brand line PETTITE REF: 01902 or equivalent	GBL	1.00			
17.3	Supply and installation of Roble by Grival line sink faucets or its equivalent Ref: 791229991	GBL	1.00			
17.5	Supply and installation of a 20X20 white, Dinascal, plastic cover for the register or its equivalent	GBL	1.00			
17.6	Supply and installation of round, 3” x 2” aluminum floor drain top. Reference Colrejillas or of equivalent	GBL	1.00			
17.7	Supply and installation of chrome grival fixtures or their equivalent for the bathrooms adjoining the bedrooms. They include toothbrush holder, soap holder, toilet paper holder, ring towel holder, rod towel holder	GBL	1.00			
18 MIRRORS AND DOORBUMPS						
18.1	Cristal mirror 5mm. Dimensions 1.25m x 1.00m E1	GBL	1.00			



OFFICIAL BREAKDOWN CHART

PROJECT: NEW LODGING BUILDING

Place: THE CNP AVIATION SCHOOL IN MARIQUITA

Date:

BASE BID
LODGING BLOCK 1 + EXTERIORS WORKS + TECHNICAL ROOM

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
LODGING BLOCK 1 + EXTERIORS WORKS						
19	EXTERIOR WORKS AND CLEANING					
19.2	Cleaning	GBL	1.00			
	TOTAL DIRECT COSTS (Technical room)					
	TOTAL DIRECT COSTS (Base bid)					
	Administration					
	Unforeseen					
	Profit					
	VAT(Over the profit value)					
	TOTAL COSTS (Base bid)					



OFFICIAL BREAKDOWN CHART

PROJECT: NEW LODGING BUILDING

Place: THE CNP AVIATION SCHOOL IN MARIQUITA

Date:

ADDITIVE ALTERNATE No. 1
LODGING BLOCK 2

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
1	PRELIMINARY ACTIVITIES					
1.1	Camp 36 m ²	GBL	1.00			
1.2	Location and laying out	GBL	1.00			
1.3	Fencing the site in ecological canvas, enclosure with two access doors	GBL	1.00			
1.4	Security tape	GBL	1.00			
1.5	Marking designation of the job site	GBL	1.00			
1.9	Camp dismantling	GBL	1.00			
2	EXCAVATIONS AND FILLING MATERIAL					
2.1	Mechanical Clearing height=0,20m	GBL	1.00			
2.2	Manual excavation, moving, loading and retrieval	GBL	1.00			
3	STRUCTURES IN CONCRETE, REINFORCEMENT STEEL AND STEEL STRUCTURES					
3.1	CONCRETE					
3,1,1	Concrete for footings and pedestal bases	GBL	1.00			
3,1,2	Concrete for 40x25 foundation beams	GBL	1.00			
3,1,3	Sub floor slab e=10cm	GBL	1.00			
3,1,4	Concrete for Columns	GBL	1.00			
3,1,5	Concrete for areal slab with disposable wooden forms h=0.30 cm	GBL	1.00			
3,1,6	Concrete for aerial beams	GBL	1.00			
3,1,7	Concrete for non-structural elements	GBL	1.00			
3,1,8	Copncrete for access eaves	GBL	1.00			
3,1,9	17.5 Mpa Cyclopean Concrete	GBL	1.00			
3,1,10	Concrete for Channels	GBL	1.00			
3.2	REINFORCEMENT STEEL AND STEEL STRUCTURES					
3,2,1	Rebar (steel reinforcement) for footings	GBL	1.00			
3,2,2	Rebar (steel reinforcement) for foundation beams 40x25	GBL	1.00			
3,2,3	Rebar (steel reinforcement) for floor slab. E=10cm mesh type 10 ref L 15 x 15 - 4 x 4 M-084 Diaco	GBL	1.00			
3,2,4	Reinforced steel columns.	GBL	1.00			
3,2,6	Rebar (steel reinforcement) for areal slab	GBL	1.00			

ADDITIVE ALTERNATE No. 1
LODGING BLOCK 2

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
3,2,5	Rebar (steel reinforcement) for aerial beams	GBL	1.00			
3,2,7	Rebar (steel reinforcement) for non structural elements	GBL	1.00			
3,2,8	Rebar (steel reinforcement) for access eaves	GBL	1.00			
4 MASONRY						
4.1	Walls in N° 5 caly block e= 0.15 m or equivalent	GBL	1.00			
4.2	Walls in N° 5 caly block e= 0.15 m or equivalent	GBL	1.00			
4.3	Walls in N° 5 caly block e= 0.25 m or equivalent	GBL	1.00			
4.4	Walls in N° 5 caly block e= 0.25 m or equivalent	GBL	1.00			
4.5	Wall built with light solid clay brick (compact made)	GBL	1.00			
4.6	Platform built with light solid clay brick (compact made)	GBL	1.00			
5 CEILINGS						
5.1	Ceiling made of 12 mm drywall with two coats of paint	GBL	1.00			
5.2	Two-face drywall linear 12 cms e/12 cm with two coats of paint	GBL	1.00			
5.3	Superboard e=1,5 cm for access eaves	GBL	1.00			
5.4	Superboard e=1,5 cm for access eaves	GBL	1.00			
5.5	12 cms x 2,4 cms Teca boards ceiling	GBL	1.00			
6 ELECTRICAL INSTALLATIONS						
6.1 OUTLETS						
6,1,1	Outlet for internal lights in 3/4" PVC conduit with 12 AWG copper conductors. It also includes switch, electric outlet, supports, boxes, labels and accesories/fittings needed to complete the working outlet. It includes single, double or triple pole switch and selectable switches proportionally	GBL	1.00			
6,1,2	Outlet for external lights in 3/4" PVC conduit with 12 AWG copper conductors. It includes switch, outlet, supports, boxes, labels and accessories/fittings needed to complete the working outlet. It also includes the switch.	GBL	1.00			
6,1,3	Double outlet with levinton type or equivalent gfci grounding	GBL	1.00			
6,1,4	Double outlet with levinton type or equivalent grounding	GBL	1.00			
6,1,6	Two-phase outlet for air conditioning systems	GBL	1.00			
6,1,7	Television outlet	GBL	1.00			
6,1,8	Roof fan and fan controller outlet	GBL	1.00			
6.2 LIGHTING EQUIPMENT						
6,2,1	Supply and installation of 60 w lamp					
6,2,2	Supply and installation of T5 de 2x28w 120v. Fluorescent lamp					
6,2,4	Supply and installation of prescence detector					

ADDITIVE ALTERNATE No. 1
LODGING BLOCK 2

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
6.3 SCREENING AND GROUNDING SYSTEM SUBSTATION						
6,3,2	AWG n° 2/0 bare copper wire for interconnection between rods and screening ring and grounding system substation.	GBL	1.00			
6,3,4	Screening downspout in 1" PVC tubing embedded in walls to floor level with 2/0 bare copper wire.	GBL	1.00			
6,3,5	Dehl aluminum wire support ref. 223040 or equivalent, 1.4 m maximum distance in-between each	GBL	1.00			
6.5 MEDIUM VOLTAGE NETWORK						
6.6 RED DE BAJA TENSION						
6,6,11	24-circuit board with space for industrial breaker. Includes industrial breaker and protectors based on load charts.	GBL	1.00			
6,6,12	30-circuit board with space for industrial breaker. Includes industrial breaker and protectors based on load charts.	GBL	1.00			
6.7 TV- FANS AND FIRE DETECTION						
6,7,2	Supply and Installation of Macom MCM-30 Peak TV signal amplifier for VHF 31 db	GBL	1.00			
6,7,3	Supply and Installation of 10-element TV antenna	GBL	1.00			
6,7,4	3 blades home roof fan, with wall control and accessories.	GBL	1.00			
6,7,5	Supply and installation of photoelectric wireless fire detector with 9V battery and 85db warning low voltage alarm.	GBL	1.00			
7 INSTALACIONES HIDRÁULICAS Y SANITARIAS						
7.1 SUPPLY SYSTEM						
7.1.2 SUPPLY MAIN SYSTEM						
7,1,2.1	2" PVC system	GBL	1.00			
7,1,2.2	1 1/2" PVC system	GBL	1.00			
7,1,2.4	1" PVC system	GBL	1.00			
7,1,2.5	Supply and Installation of PVC 2" Fittings	GBL	1.00			
7,1,2.6	Supply and Installation of PVC 1 1/2" Fittings	GBL	1.00			
7,1,2.7	Supply and Installation of PVC 1" Fittings	GBL	1.00			
7.1.3 WATER POINT-OF-USE FIXTURE						
7,1,3.1	Cold Water Point-of-Use Fixture	GBL	1.00			
7,1,3.2	Supply and Installation of 1" Gate Valve	GBL	1.00			
7.2 STORAGE TANKS						
7,2,1	1500 liter Tanks	GBL	1.00			
7.2.2 Pumping Equipment						

ADDITIVE ALTERNATE No. 1
LODGING BLOCK 2

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
7.3	DRAINAGE SYSTEM					
7.3.1	External sewage drainage system					
7.3.2	Internal sewage drainage system					
7.3.2.1	Supply and Installation of PVC 8" Pipes	GBL	1.00			
7.3.2.2	Supply and Installation of PVC 6" Pipes	GBL	1.00			
7.3.2.3	Supply and Installation of PVC 4" Pipes	GBL	1.00			
7.3.2.4	First Floor Sanitary Point-of -use, includes ventilation system	GBL	1.00			
7.3.2.5	Second Floor Sanitary Point-of -use, includes ventilation system	GBL	1.00			
7.3.2.6	Wastewater Downspouts, Includes main ventilation	GBL	1.00			
7.4	STORMWATER					
7.4.1	Rainwater Downspouts					
7.4.1.1	4" PVC Downspouts	GBL	1.00			
7.4.2	STORMWATER SYSTEM					
7.4.2.1	PVC 4" Pipes	GBL	1.00			
7.4.2.2	PVC 6" Pipes	GBL	1.00			
7.4.2.3	Supply and Installation of PVC 4" Fittings	GBL	1.00			
7.4.2.4	Supply and Installation of PVC 6" Fittings	GBL	1.00			
7.4.3	Filter System					
8	AIR CONDITIONING INSTALLATIONS					
8.2	TUBING AND REFRIGERATION ACCESSORIES					
8.2.1	Type K insulated copper tubing, 1/2"x1/4" diameter	GBL	1.00			
9	WALL CEMENT COVERING (PLASTER)					
9.1	Waterproof plaster 1:4 with tackifier for interiors	GBL	1.00			
9.2	Waterproof plaster linear 1:4 with tackifier	GBL	1.00			
9.3	Edges and dilatations	GBL	1.00			
10	ROOFING					
10.1	Simple roof tiles in aluzinc c = 24 Ref 500 c or its like. It includes labor and transportation. Include. Of Hunter douglas or equivalent. Include Fiber glass wool with paper 3 1/2". Instaled under roof and clamped with galvanized wire. C= 14	GBL	1.00			
10.2	Metallic structure for roofing	GBL	1.00			
10.3	supply and installation of a roof in a 8mm alveolar polycarbonate	GBL	1.00			
10.4	20 Gauge Galvanized Metal Sheet Channels	GBL	1.00			
10.2	Metal Structure for roov over acces and central staircase	GBL	1.00			

ADDITIVE ALTERNATE No. 1
LODGING BLOCK 2

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
11 FLOOR BASES						
11.1	Floor Readiness Mortar th=4.50cm	GBL	1.00			
11.2	Waterproofed Floor Readiness Mortar th=4.50cm	GBL	1.00			
11.3	Masonry benches for niches	GBL	1.00			
12 TILES						
12.1	Supply and installation of Ceramic Valencia by Mancesa for bathroom walls 0.20 x 0.25 or equivalent	GBL	1.00			
12.2	Supply and installation of double traffic gray Urban Ref:486022501 or equivalent porcelanato	GBL	1.00			
12.3	Supply and installation of double traffic gray Urban Ref:486022501 or equivalent porcelanato skirtingboard	GBL	1.00			
12.4	Supply and installation of San Gabriele Black Granite 1.25 x .60 Sink Conutertop with skirtboard.	GBL	1.00			
12.5	Supply and installation of Teca Wood floor in 8cm x 2cm boards.	GBL	1.00			
13 PAINTINGS						
13.1	Koraza 3 coats on plaster or equivalent (Exterior).	GBL	1.00			
13.2	Stucco and vinyl paint (3 coats) or equivalent on plaster (interiors)	GBL	1.00			
13.3	Type 2 latex, 1 coat on drywall ceiling	GBL	1.00			
14 WOOD CARPENTRY						
14.1	P-2 Supply and installation of doors made of Pizano or cativo plywood. A 10 cms high rail of the same thickness as the doors made of sajo wood or ivory will be added at the bottom of the door. The door will have Cypress Camel 1489 F8 Formica veneer or equivalent. It will also have a wood louver made of the same type of wood. This item will include the 18 gauge galvanized sheet door frame with electrostatic coating, four 3" X 3" VERA type hinges or equivalent will be installed based on their distribution in the drawings, Schlage Saturno matte chrome plated cylindrical lock knob or equivalent. Dimensions 0,80m x 2,10	GBL	1.00			
15 METALLIC CARPENTRY						

ADDITIVE ALTERNATE No. 1
LODGING BLOCK 2

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
15.2	P-1 Hollow core caliber 18 sheet steel doors with anticorrosive paint will have an internal longitudinal reinforcement every 10 cm and an additional reinforcement in caliber 3 x 16 metal flange for hinge and lock protection. This item will include the 18 gauge galvanized sheet door frame with electrostatic coating. The clearances between the frames and the walls shall be sealed with silicone, sikaflex or equivalent for soundproofing. Four 3" X 3" VERA or equivalent. Includes Schlage Jupiter Door lever mate chrome or equivalent. Schlage Doble cilinder security lock fix deadbolt cilinder ref:B362 or equivalent	GBL	1.00			
15.6	Metal Staircase					
15.7	Bridge Metal Structure					
16 CARPENTRY IN ALUMINUM						
16.1	P-12 Supply and installation of swinging doors and fix in 6mm tempered glass with fittings and anchors in stainless steel. Dimensions 1,80 x 1,52m	GBL	1.00			
16.2	V-1 Window in laminated glass an aluminum frame. One fixed glass and one hinged opening	GBL	1.00			
16.3	V-2 Window with sand blasted glasslouver of .55 x .55 and aluminum frame	GBL	1.00			
16.4	Supply and setting up of an aluminum and Phifer (or its equivalent) fiberglass insect screen door. It shall be 0.011 in caliber as shown in the architectural detail drawings and location on the plans	GBL	1.00			
17 BATHROOM TOILET AND ACCESSORIES						
17.1	Acuacer Plus by Corona round toilet two pieces or its equivalent, with toilet seat	GBL	1.00			
17.2	Installation of white porcelain enamel sinks Corona brand line PETTITE REF: 01902 or equivalent	GBL	1.00			
17.3	Supply and installation of Roble by Grival line sink faucets or its equivalent Ref: 791229991	GBL	1.00			
17.4	Supply and installation of Roble de Grival line shower faucets and register or its equivalent Ref: OR4100001	GBL	1.00			
17.5	Supply and installation of a 20X20 white, Dinascol, plastic cover for the register or its equivalent	GBL	1.00			
17.6	Supply and installation of round, 3" x 2" aluminum floor drain top. Reference Colrejillas or of equivalent	GBL	1.00			
17.7	Supply and installation of chrome grival fixtures or their equivalent for the bathrooms adjoining the bedrooms. They include toothbrush holder, soap holder, toilet paper holder, ring towel holder, rod towel holder	GBL	1.00			
18 MIRRORS AND DOORBUMPS						

ADDITIVE ALTERNATE No. 1
LODGING BLOCK 2

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
18.1	Cristal mirror 5mm. Dimensions 1.25m x 1.00m E1	GBL	1.00			
18.2	Door bumps "Cazuela" type	GBL	1.00			
19	EXTERIOR WORKS AND CLEANING					
19.2	Cleaning	GBL	1.00			
	TOTAL DIRECT COSTS (Additive Alternate No. 1)					
	Administration					
	Unforeseen					
	Profit					
	VAT(Over the profit value)					
	TOTAL COSTS (Additive Alternate No. 1)					



OFICIAL BREAKDOWN CHART

PROJECT: NEW LODGING BUILDING

Place: THE CNP AVIATION SCHOOL IN MARIQUITA

Date:

**ADDITIVE ALTERNATE No. 2
PARKING LOT**

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	TOTAL COST BY CHAPTER
1	PRELIMINARY ACTIVITIES					
1.1	Location and laying out	GBL	1.00			
1.2	Existing motorcycle parking roof dismounting	GBL	1.00			
2	EXCAVATIONS AND FILLING MATERIAL					
2.1	Mechanical digging	GBL	1.00			
2.2	Stone ground improving e=0.30m	GBL	1.00			
2.3	Supply and installation Geotextile NT 200	GBL	1.00			
2.4	Cars and motorcycle parking; supply, spreading and compacting Granular Sub Base GSB-1 or GSB-2 e=0.25	GBL	1.00			
2.5	Cars and motorcycle parking; supply, spreading and compacting Granular Base GB-1 e=0.25	GBL	1.00			
3	PARKING STRUCTRES					
3.1	Mechanical digging	GBL	1.00			
3.2	Asphalt platform. Base thickness=0.09m. Surface thicknbess=0,08m	GBL	1.00			
3.3	Concrete for curbs	GBL	1.00			
3.4	Reinforcement steel for curbs and channels	GBL	1.00			
3.5	Manual excavation, moving, loading and retrieval	GBL	1.00			
3.6	Tree Planting	GBL	1.00			
3.7	Root containers	GBL	1.00			
3.8	Marking Painting	GBL	1.00			
3.9	20" sewage concrete pipe	GBL	1.00			
	TOTAL DIRECT COSTS (Additive Alternate No. 2)					
	Administration					
	Unforenseens					
	Profit					
	VAT(Over the profit value)					
	TOTAL COSTS (Additive Alternate No. 2)					



OFFICIAL BREAKDOWN CHART

PROJECT: NEW LODGING BUILDING

Place: THE CNP AVIATION SCHOOL IN MARIQUITA

Date:

BIDDING SCHEDULE SUMMARY

ITEM No.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
	BASE BID				
1	LODGING BLOCK 1+EXTERIORS				
2	TECHNICAL ROOM				
	TOTAL BASE BID				
	ADDITIVE ALTERNATE No. 1				
3	LODGING BLOCK 2				
	TOTAL BASE BID PLUS ADDITIVE ALTERNATE No. 1				
	ADDITIVE ALTERNATE No. 2				
4	PARKING LOT				
	TOTAL BASE BID PLUS ADDITIVE ALTERNATES No. 1 AND No. 2				

DETAILED BIDDING CHART - Guide-

Item	Description	Unit	Quantity	Unit Price	Total Price
	These are examples of how to present this chart. Note this is a guide and just some few examples were included and				
	Civil works				
	Excavations for piping	m3	35		
	Excavations for foundations	m3	150		
	Back fill for slab	m3	100		
	Plaster for walls	M ²	50		
	Electrical and Cabling works				
	110 Outlets	Un	20		
	Voice and data outlets	Un	14		
	Electrical channeling	MI	80		
	Furniture				
	Interlocutor Chairs	Un	18		
	Work stations 1.50	Un	18		
	Floor to ceiling panels	MI	60		
	DIRECT COST				
	Admin costs	%			
	Unforeseen				
	Profit	%			
	SUBTOTAL				
	Taxes IVA				
	TOTAL				