

PRICED BILL OF QUANTITIES					
Building: RECONSTRUCTION OF CENTRAL HEATING IN STEFAN NEMANJA PRIMARY SCHOOL NOVI PAZAR				PZI	E 3/2016
BILL OF QUANTITIES FOR ELECTRICAL INSTALLATION IN BOILER ROOM			NOVI PAZAR		
No.	Work description	UoM	Quantity	Unit price	Subtotal
1	POWER SYSTEM & AUTOMATIC REGULATION				
	BOILER ROOM				
1	Delivery and installation of the necessary cables to connect the control units with switch cabinets, consumers and sensors				
1.1	Delivery and mounting of shielded communication cable 2x1.5mm ²	m	20		
1.2	Delivery and mounting of cable PP00-Y 4x1.5mm ² for connecting three-way mixing valves	m	130		
1.3	Delivery and mounting of cable PP00-Y 5x2.5mm ² for the power supply of pellet conveyor, burners, water pressure automatic control system and cyclone	m	170		
1.4	Delivery and mounting of cable PP00-Y 3x2.5mm ² for power supply of pumps	m	120		
1.5	Delivery and mounting of cable PPOO-Y 3x1.5mm ² for power supply of contact sensor:	m	150		
1.6	Delivery and mounting of armoured metal hose 20 mm diameter	m	50		
1.7	Delivery and mounting PNK channels 100x100 mm including mounting accessories:	m	30		
1.8	Delivery and mounting PNK channels 50x50 mm including mounting accessories	m	40		
	POWER SYSTEM & AUTOMATIC REGULATION TOTAL				
2	LIGHTING				
2	Delivery and mounting of needed lamps and cables.				
2.1	Delivery and mounting of cable PPOO-Y 3x1.5mm ² for connections of lamps in storage	m	50		
2.2	Delivery and mounting of serial OG switch for switching on internal and external lighting of storage	pcs.	2		
2.3	Delivery and mounting of spherical lamp 60W, IP54	pcs.	3		
2.4	Delivery and mounting of ceiling lamp 60W, IP54	pcs.	2		
2.5	Delivery and mounting of fluorescent lamp 2x36W, IP54	pcs.	16		
	LIGHTING TOTAL				

No.	Work description	UoM	Quantity	Unit price	Subtotal
3	SWITCH CABINET				
3	Provide, mount and connect the cabinet 800x800x250 RTK, made of twice pickled steel sheet and painted to protect against corrosion with the following accessories				
	cam switch 4G-40	pcs.	1		
	power switch FID-40/0,5A	pcs.	1		
	fuses (10,16)A	pcs.	60		
	contactor CN-25,220V	pcs.	5		
	cam switch GS-10A	pcs.	5		
	signal light, red 220V	pcs.	5		
	signal light, green 220V	pcs.	5		
	bimetallic protection (1-2)A	pcs.	2		
	bimetallic protection (4-6)A	pcs.	3		
	other accompanying material, glands, copper rails, terminals and other accessories				
	SWITCH CABINET TOTAL	lump sum			
4	EARTHING				
	Delivery and mounting zinc-coated steel strip FeZn 20x3 mm on the wall, height h=0,5m from the floor, fixed support for the wall together with a cabinet for potential equalization. Length of the tape on the wall is 15 m. Calculation per kit.	pcs.	1		
	Carry out the grounding of the boiler, distributor & collector by strip FeZn 20x3 mm, also reconnection of all valves to the flanges by conductor P/L-16 mm using special adequate clamps. Calculation per junction.	pcs.	10		
	Carry out the connection SIP & RTK , through the conductor P/L-16 mm using special adequate clamps. Calculation per piece.	pcs.	1		
	Carry out the measurement of grounding resistance & insulation resistance and issuing the necessary reports/certificates according to the national Rulebook for low voltage installations (Off. Gazzete of SFRJ No. 53/88 & Off. Gazzete of SRJ No. 28/95). Calculation according to the lump sum	pcs.	1		
	EARTHING TOTAL				

BoQ Electrical Instalatons

No.	Work description	UoM	Quantity	Unit price	Subtotal
	SUMMARY- electrical works				
1	POWER SYSTEM & AUTOMATIC REGULATION				
2	LIGHTING				
3	SWITCH CABINET				
4	EARTHING				
	TOTAL				