

George Goch Station

Item	Description	Unit	Qty	Rate	Amount
1	<u>Sub-way drainage:</u>				
1.1	Clearing of existing debris/waste including carting away and pumping underground water out of the trench	Sum	1		
1.2	Chop/break the existing reinforced concrete floor slab and cart away spoil	m ³	12		
1.3	Restricted excavation for the perforated pitch fibre sub-soil pipes (300 x 300) as shown in the drawing including compaction to 90% modified AASHTO	m ³	20		
1.4	Lay 100mm dia perforated pitch fibre pipe (sub-soil drainage pipe) including 250 micron impervious membrane (bidum) as shown in the drawing along the entire breadth of the station.rate to include compacting to 90% modified AASHTO and backfilling	m	100		
1.5	19mm crushed stone as shown in the drawing	m ³	20		
1.6	Cast concrete 25 Mpa (300mm x 200mm x 80m)	m ³	4.8		
1.7	Construct wing wall, headwall and apron slab for the eye of the sub-soil discharge point rate to include reinforcement, formwork as show in the drawing 25 mpa concrete	m ³	1.5		
1.8	Cast V-drain channel (500mm wide & 50mm thick)	m ³	3.5		
1.9	Sub-way drainage: installation of submersible water pump- 750w - 230V.	Item	1		
	Total carried to summary				
2	<u>Generator works</u>				
2.1	Supply and install a 50KVA generator	Item	1		
2.2	Palisade fence around generator, Paint to Palisade fence Blue as per prasa Blueprint (attached)	m	8		
	Total carried to summary				
3	<u>Platform: New Operational and Corporate signage</u>				
3.1	245x245mm Toilet Male & Female sign	No	8		
3.2	500x500mm platfrom numbering signs (double-sided)	No	4		
3.3	3000x500mm non illuminating sign box, double-sided and pole mounted to platfrom (see Prasa blueprint)	No	4		
3.4	105x300mm ticket sales sign above sales windows	No	3		
3.5	210x600mm signs @ ticket verification point	No	4		
3.6	Single station pylon	No	2		
	Total carried to summary				
4	<u>Subway works:</u>				
4.1	31.8mm Handrail Steel tubing to staircase	m	80		
4.2	High corrosion resistant surface mounted LED luminaire with wireguard	Item	24		
	Total carried to summary				

5	Mechanical work on platforms and Ticket office:	Item	1		
5.1	9kg Fire hydrant - ticket office building	Item	3		
5.2	Fire hose reel 30m - 1 per platform	Item	2		
5.3	Installation of HVAC to ticket office.	Item	3		
	Total carried to summary				
6	Steelwork				
6.1	1000 mm x 2100 mm single steel gate to ticket verification building	Item	1		
6.2	5820mm x 2400mm steel heavy duty sliding gate	Item	1		
6.3	1000mm high steel handrail around 4 x subways	m	85		
6.4	New ticket verification shelters and new steel gangways X 3. steel square sections/posts with IBR soft-roof, galvanised square gutter and (see images attached)	Item	3		
	Total carried to summary				
7	Platform works:				
7.1	Platform buildings: galvanised steel square downpipes 100mm x 75mm	Item	7		
7.2	Platform building: galvanised steel square gutters	m	126		
7.3	Repair to existing back-to-back steel benches: fixing to platform(see bench on Blueprint attached)	Item	4		
7.4	Pressure Jetting of existing drainage & replacement of missing manhole covers	SUM	1		
7.5	Installation and Commissioning of highmast 4-way lights	Item	2		
7.6	Palisade fence around Ticket Office and Infront of Platform 5.	m	100		
	Total carried to summary				
8	Solar Power:				
8.1	12KW 3 phase Inverter	Item	2		
8.2	Auto change Over Switch 2P/63A	Item	1		
8.3	Lithium 51.2V100AH 5.12KWH, 1C Battery	Item	4		
8.4	580W Tier 1 solar Panel	Item	20		
8.5	Solar Panel Mounting Structure	Item	1		
8.6	Solar Power System Installation Fee and Consumables	Item	1		
8.7	Allow a sum for trenching, earthing, commissioning. Installation fee includes: Battery Installation, Solar Mounting Channels & Structures, Inverter to DB wiring & connection, Panel to Combiner Box Cabling, Combiner box to Inverter Cabling, Three-phase wiring & Commissioning	SUM	1		
	Total carried to summary				
	SUMMARY				
1	Sub-way drainage:				
2	Generator works				
3	Platform: New Operational and Corporate signage				

4	Subway works:				
5	Mechanical work on platforms and Ticket office:				
6	Steelwork				
7	Platform works:				
8	Solar Power:				
	Subtotal				
9	Preliminaries				
	Subtotal including Preliminaries				
10	Contingencies @ 5%				
	Subtotal including contingencies				
	Vat @15%				
	Total carried to form of offer				