

KUMI PASSENGER HALT (SHED AND PLATFORM)

CONTRACT BILLS OF QUANTITIES

Item	Description	Unit	Qty	Rate	Amount
				USHS	USHS
CONSTRUCTION OF TRAIN PASSENGER HALT (SHED AND PLATFORM)					
ELEMENT NO. 1					
SUBSTRUCTURE					
(All Provisional)					
Preliminary Works					
	Site Clearing and Leveling To Formation Level	M ²	1,851		
Excavations and Earth works					
	For Column bases not exceeding 2.0m deep	M ³	240		
	Ditto; Strip Foundation 1.1m Deep	M ³	211		
	Insecticide treatment to surfaces of hardcore, top of foundation walling and bottom of excavation	M ²	1,244		
Murram Filling					
	Under the Grade Slab Thick in layers of 150mm	M ³	252		
	Back filling in Excavated Foundations	M ³	269		
Hardcore Filling					
	Below Grade Slab - 200mm Thick	M ²	840		
Sand Blinding					
	Below Platform Grade Slabs on top of hardcore	M ²	840		
DPM (Damp Proof Membrane)					
	1000 gauge Polythene damp proof sheeting : under floor bedded with 300 mm sides and end laps.	M ²	840		
	To collection				
ELEMENT NO.1					
SUBSTRUCTURE					
				RRM-TV/1/1	
Item	Description	Unit	Qty		
Reinforcement					
	BRC Mesh A252	M ²	840		
	25mm diameter bars	Kg	-		
	20mm ditto	Kg	-		
	16mm ditto	Kg	2,622		
	12mm ditto	Kg	2,958		
	10mm ditto	Kg	2,379		
	8mm ditto	Kg	1,910		
Concrete					
	Plain Concrete in Pedestal Base Blinding - C15	M ²	54		
	Ditto; in Strip Foundation - C30	M ³	29		
	Reinforced Concrete in Pedestal Bases - C30	M ³	19		
	Reinforced Concrete in Pedestal Columns - C30	M ³	13		
	Reinforced Concrete in Ground Beams - C30	M ³	25		
	Reinforced Concrete in Grade Slabs - C30	M ³	126		
	Reinforced Concrete in Concrete Beanches - C30	M ³	48		
	Reinforced Concrete in Platform Fence Wall - C30	M ³	11		
Formwork as described to:-					
	Sides of Pedestal Bases	M ²	45		
	Sides of Pedestal Columns	M ²	77		
	Sides of Ground Beams	M ²	72		
	Edges of Grade Slabs	M ²	36		

KUMI PASSENGER HALT (SHED AND PLATFORM)				
CONTRACT BILLS OF QUANTITIES				
Item	Description	Unit	Qty	Rate
				USHS
		Amount		
		USHS		
	Sides of Concrete Beanches	M ²	255	
	Sides RC Platform Fence Wall	M ²	91	
	To collection			
<u>ELEMENT NO.1</u>				
<u>SUBSTRUCTURE</u>				
			RRM-TV/1/2	
Item	Description	Unit	Qty	
	Hardcore Mansony Wall	M ²	108	
	Below Ground Beams - 300mm THK			
	To collection			
	Page No. RRM-TV/1/1			
	Page No. RRM-TV/1/2			
	Page No. RRM-TV/1/3			
	SUB STRUCTURE TOTAL			
<u>ELEMENT NO.1</u>				
<u>SUBSTRUCTURE</u>				
			RRM-TV/1/3	
Item	Description	Unit	Qty	
	ELEMENT NO. 2			
	FINISHES AND METAL WORKS			
	Cement Motor Plastering			
	RC Platform Fence Wall	M ²	91	
	Fence Rail Fixing			
	Mild Steel Fence Rail Fixing As Per the Construction Details			
	RRM Side Platform Fence Rail (1200mm High)	M	57	
	Community Side Platform Fence Rail (1200mm High)	M	57	
	Painting			
	MS Platform Fence Rails	M ²	68	
	RC Platform Fence Wall	M ²	68	
	Demarcation and labeling	Item	1	

KUMI PASSENGER HALT (SHED AND PLATFORM)					
CONTRACT BILLS OF QUANTITIES					
Item	Description	Unit	Qty	Rate	Amount
				USHS	USHS
FINISHES AND METAL WORKS TOTAL					
<u>ELEMENT NO. 2</u>					
<u>FINISHES AND METAL WORKS</u>					
RRM-TV/2/1					
Item	Description	Unit	Qty		
ELEMENT NO. 3					
EXTERNAL WORKS					
Platform Access Ramps (2 Number)					
Excavations					
	For Strip Foundation 0.6m deep	M ³	42		
	Insecticide treatment to surfaces of hardcore, top of foundation walling and bottom of excavation	M ²	454		
Murram Filling					
	Below Access Ramp ground Slab	M ³	35		
Hardcore Filling					
	Below Access Ramp ground Slab - 200mm Thick	M ²	174		
Sand Blinding					
	Below Access Ramp ground Slab	M ²	174		
DPM (Damp Proof Membrane)					
	Below Access Ramp ground Slab	M ²	174		
Hardcore Masonary Wall					
	Edges of Access Ramp ground Slab - 300mm Thick	M ²	69		
Concrete					
	Plain Concrete In Blinding below Hard Core wall	M ²	69		
	Rienforced Concrete - C30 Access Ramp Slab (150mm THK)	M ³	26		
Form Work					
	Sides of Access Ramp Slab	M ²	37		
Reinforcement					
	BRC Mesh - A142	M ²	174		
To Collection					
<u>ELEMENT NO. 3</u>					
<u>EXTERNAL WORKS</u>					
RRM-TV/3/1					
Item	Description	Unit	Qty		
Fixing (optional)					
	MS bulastrades as Per Construction Details	M	57		
Platform Access Staircase					
Excavations					
	For Strip Foundation 0.6m deep	M ³	6		
	Insecticide treatment to surfaces of hardcore, top of foundation walling and bottom of excavation	M ²	70		
Murram Filling					
	Below Access Saircase and landing	M ³	128		
Hardcore					

KUMI PASSENGER HALT (SHED AND PLATFORM)					
CONTRACT BILLS OF QUANTITIES					
Item	Description	Unit	Qty	Rate	Amount
				USHS	USHS
	Below Access Saircase and landing Slabs	M ²	168		
	Sand Blinding				
	Below Access Saircase and landing Slabs	M ²	168		
	DPM (Damp Proof Membrane)				
	Below Access Staircase and landing Slabs	M ²	168		
	Hardcore Mansony Wall				
	Edges of Slabs - 300mm Thick	M ²	9		
	Concrete				
	Plain Concrete In Blinding below Hard Core wall	M ²	9		
	RC below Access Saircase and landing Slabs - C30	M ³	6		
	Form Work				
	Sides of Access Saircase and landing Slabs	M ²	5		
	Reinforcement				
	BRC Mesh - A142	M ²	7		
	12mm ditto	Kg	22		
	10mm ditto	Kg	-		
	8mm ditto	Kg	247		
	To Collection				
<u>ELEMENT NO. 3</u>					
<u>EXTERNAL WORKS</u>					
			RRM-TV/3/2		
Item	Description	Unit	Qty		
	Fixing				
	MS bulastrades as Per Construction Details	M	9		
	Drainage				
	Stom water Drainage from the down ward pipes to the public storm water channels as per Construction details	M	140		
	Plinth Protection				
	1.0m Wide Plinth Protection all Around The Structure as per General constricton details	M	130		
	Land Scaping				
	General Landscaping and Greening as per Construction details and or client approval	M ²	394		
	To collection				
	Page No. RRM-TV/3/1				
	Page No. RRM-TV/3/2				
	Page No. RRM-TV/3/3				
	EXTERNAL WORKS TOTAL				
<u>ELEMENT NO. 3</u>					
<u>EXTERNAL WORKS</u>					
			RRM-TV/3/3		
Item	Description	Unit	Qty		
	ELEMENT NO. 4				
	STEEL PLATFORM SHADE				

KUMI PASSENGER HALT (SHED AND PLATFORM)				
CONTRACT BILLS OF QUANTITIES				
Item	Description	Unit	Qty	Rate
				USHS
Amount				
USHS				
Main Steel Member				
Column Truss (16 No)				
	SHS 100X100X6mm in Vertical Column	Kg	2,267	
	SHS 100X100X6mm in Horizontal Brancing	Kg	1,360	
	SHS 50X50X3mm in Diagonal Brancing	Kg	442	
Short Truss (16 No)				
	SHS 100X50X4mm in Rafter	Kg	584	
	SHS 50X50X3mm in Vertical Members	Kg	184	
	SHS 50X50X3mm in Diagonal Members	Kg	155	
Long Truss (16 No)				
	SHS 100X50X4mm in Rafter	Kg	1,631	
	SHS 50X50X3mm in Vertical Members	Kg	296	
	SHS 50X50X3mm in Diagonal Members	Kg	301	
MS Plates and Clips				
	300X300X10mm in Column Truss Base Plate	Kg	277	
	1000X200X6mm in Truss - Column Connection plates	Kg	695	
	150X50X4mm Clips on truss rafters	Kg	242	
Bolts				
	M20 X 500 8.8 Grade Foundation Bolts	Kg	154	
	M16 X 50 HSC bolts in Truss - Column Connectons	Kg	65	
	M12 X 50 HSC bolts in Clip to Z- Purlin Connections	Kg	51	
To Collection				
ELEMENT NO. 4				
STEEL PLATFORM SHADE				
			RRM-TV/4/1	
Item	Description	Unit	Qty	
Facia truss (Optional)				
	SHS 50X50X3mm in Horizontal members	Kg	1,488	
	SHS 50X50X3mm in Vertical Brancing	Kg	434	
	SHS 50X50X3mm in Diagonal Brancing	Kg	893	
Roof				
	Z Purlin 150X50	Kg	3,724	
	50X50mm Angle Line in Roof Bracings	Kg	702	
	16mm Sag Roads	Kg	212	
	IronSheets - Super V	m ²	688	
	5.5X50mm Self Taping Screws	Kg	37	
	Gutterwork; 2mm galvanised mild steel box gutters and fittings; purpose made ; pre-painted and suportred fixed as per Construction details	M	84	
	110mm PVC Down ward pipe Connected To Gutter as per Construction Details. Including Gutter outlet, angles and neck offsets	No	8	
To collection				
Page No. RRM-TV/4/1				
Page No. RRM-TV/4/2				
STEEL PLATFORM SHADE TOTAL				

KUMI PASSENGER HALT (SHED AND PLATFORM)				
CONTRACT BILLS OF QUANTITIES				
Item	Description	Unit	Qty	Rate
				USHS
Amount				
USHS				
<u>ELEMENT NO. 4</u>				
<u>STEEL PLATFORM SHADE</u>				
		RRM-TV/4/2		
Item	Description	Unit	Qty	
<u>SUMMARY OF ELEMENTS</u>				
ELEMENT				
	ELEMENT NO. 1: <u>SUBSTRUCTURE</u>	EL	1	
	ELEMENT NO. 2: <u>FINISHES AND METAL WORKS</u>	EL	1	
	ELEMENT NO. 3: <u>EXTERNAL WORKS</u>	EL	1	
	ELEMENT NO. 4: <u>STEEL PLATFORM SHADE</u>	EL	1	
	GRAND TOTAL CARRIED TO SUMMARY			