

The Kenya Power & Lighting Co. Ltd.

Central Office - P.O. Box 30099, Nairobi, Kenya

Telephone - 254-02-3201000

Fax No. 254-02-3201889

Stima Plaza, Kolobot Road

Our Ref: KP1/9AA-2/PT/23-ID/14-15/JM/at

10th February, 2015

M/s

Dear Sir,

## ADDENDUM NO. 1 TO THE TENDER NO.KP1/9AA-2/PT/23-ID/14-15 FOR PROVISION OF CIVIL & BUILDING WORKS AT NAIROBI NORTH 220/66KV SUBSTATION

The following amendments are made to the specified provisions of the Tender document.

## 1. RELATIONSHIP WITH THE PRINCIPAL TENDER DOCUMENT

Save where expressly amended by the terms of this Addendum, the Principal Tender Document shall continue to be in full force and effect.

The provisions of this Addendum shall be deemed to have been incorporated in and shall be read as part of the Principal Tender Document.

## 2. Please take note on the changes done on the following clauses in the tender document.

	Clause	Change
1.	Section IV BID DATA SHEET	The Tender Security
	(Appendix to Instructions to	shall be Kshs.
	tenderers ), Clause 3.24.1 Tender	250,000.00
	Security	
2	Section IX Bill Of Quantities	Amended BQ's
		Attached

## 2. DEADLINE FOR SUBMISSION OF TENDER

The tender shall be closed on the 19<sup>th</sup> February, 2015. The time for submission and opening remains the same as indicated in the Tender document.

All the other terms and conditions remain as per the tender document.

Yours faithfully, For: KENYA POWER & LIGHTING COMPANY LIMITED.

Ag. GENERAL MANAGER, SUPPLY CHAIN

	PROPOSED CIVIL WORKS AT NAIROBI NORTH 220/ 66 KV SUI	<b>BSTATION</b>	Ŋ		<del>-</del>
	BILL OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u></u>	SECTION. 1				
	Preliminaries				· · · · · · · · · · · · · · · · · · ·
A	Allow for a temporary site office ,notice board, shelves and , store for materials and tools storage. To accomodate 7 people and all furniture and meeting accesories	ITEM	1		* * * * * * * * * * * * * * * * * * *
В	Allow for clean water for the works	ITEM	1		· <u>.</u>
С	Allow for temporary sign post for the proposed works	ITEM	l		
D	Allow for security and insurance for the proposed works	ITEM	1		
	Thow for security and insurance for the proposed works	112,00	•		
E	Allow for supply of power connection for use for the works.	ITEM	1		
F	Allow for a qualified personel conservant with Kenya Power safety regulations for the entire contract period	ITEM	1		
G	Allow for prompt communication and updates facilitation to client supervision team	ITEM	1		
Н	Demolilition of existing concrete plithes around project area	ITEM	1	<u>                                     </u>	
1	Replication of all drawings in the required format by county government, authetication by required proffesional and submitting for approval, and handover of approved drawings to client	ITEM	1		
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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION. 2				
	SWITCHYARD REHABILITATION & REINSTATEMENT				"
1	Switch_yard_600_SM				
Α	Clear working area of all the site of existing ballast and rubbles	ITEM	1		
В	Scoop loose top soil by cutting average 400mm deep to recieve imported fill	CM	600		
С	Provide average 300 mm thick selected well compacted imported murram fill, compacted in layers of 150mm thick using a plate compactor to achieve slope	SM	600		
D	Prepare and apply Gradiator 4TC or equal and approved insecticide to surfaces of blinding as per Manufacturer's written instructions	SM	600		
E	Apply suitable weed killer, herbicide to surfaces of blinding as per the Manufacture's written instructions	SM	600		
F	1000 gauge polythene or other equal and approved membrane laid on compacted and treated quarry dust—with welted laps of 200mm wide.	SM	600		
G	Supply and spread uniformly 150mm thick 'one inch' (1") ballast in switch yard to match existing-re use existing ballast wher not sufficent top up with new supply	SM	600		
Н	precast concrete chanel 200mm high at the ballast perimeter to prevent ballast spill over as restraint	LM	100		
1	allow for making good all station yard affected by new works	ITEM	1		
3	Cable ducts	1 8 4	100		
Α	Supply and install 150mm diameter medium gauge PVC pipes as ducts. with and including 150mm thick concrete class 20 surround and murrum compaction underlying pipe bases as per as per engineer's detailed drawing-in all locations;include curring and reinstatement of existing bitumen road	LM	100		
	TOTAL THIS PAGE				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
11 2.771	CABLE TRENCH	GIVIT	प्रा	IVATE	AMOUNT
	Trench 600mm wide x600mm deep-length 115metres various				<u> </u>
	locations				
	BULK excavation for trench 1.8m wide from reduced level not	СМ	220		
A	exceeding 1.2 m deep.	0.,,	220		
	Load, cart away from site excavated materials and dispose at areas	CH	.00		
В	designated by local authority.	CM	180		
C	Fill in and ram selected backfill materials around trench.	CM	40		
	Trench bed				
D	50mm plain concrete(1:4:8) blinding on cable trench bed 1.5m wide	SM	230		
	Vibrated reinforced concrete class				
	20/20 1:2:4/20 as described in:				
E	In 150mm thick trench base with smooth steel finish	CM	19		
F	In 150mm thick vertical walls	CM	40		
	fairface form work to				
G	Sides of trench wall	SM	440		
	Steel reinforcement bars including tying bending spacer blocks				<u> </u>
	tying wires and fixing high tensile bars to BS 4461				
y .					
l	Y 8mm in cable trench	KG	3,500		
	50x50x4mm angle line embedded in concrete cable trench edges	LM	245		
J	ponjonamini aligie inie embedded in colletete cable trenen edges		243		
	Precast concrete trench covers (external cable trenches)				
_					
	Provide and put in place (1000x300x75mm) thick precast concrete	NO	400		
К	trench covers reinfoced Y8 bars spaced at 100mm both ways with				
	handles for lifting;with all edges protected with galvanized angle section 25x25mmx3mm				
	Section 25/25/IIII/SIIIII				
L	Ditto for trench 600mm wide	NO	170		
	Cable trays				
	Fabricate and fix cable trays,in 50x50x6mm thick RHS frame WITH			74	
	50x50x4mm RHS ties at 300mm c/c welded in themain frame and				
	raised 200mm above the cable trench floor with sime size				
	supports,ALL steel work galvanized to clients approval				
M	Trench 600mm wide	LM	115		
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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO.3	<del> </del>	`		
	SCREEN WALL -24LM CUMILATIVE				
	(Substructures)				
Α	Excavate for foundation trench 1500mm wide commencing at	CM	40		<del></del>
	reduced level and not exceeding 1.5m deep.		·		
В	Ditto exceeding 1.5m but n.e 3.0m	CM	40		
			<del></del>	· · · · · · · · · · · · · · · · · · ·	
С	Extra over for excavation in all classes of rock at any				
	depth.	СМ	12		
D	Load, cart away from site surplus excavated materials and dispose	CM	92		
	at areas designated by local authority.				
E	Fill in and ram selected imported materials around foundation and	CM	80		
	columns.				
F	Provide all the necessary planking and strutting to uphold sides of	ITEM	1		
·	trenches.		•		
G	Allow for keeping all excavations water free by pumping, bailing or	ITEM	1	109	
	otherwise.				
Н	50mm thick (1:4:8) mass concrete blinding	SM	24		
	Total Carried to Summary Page				
	Vibrated_reinforced_concrete_class_				
	20/25_1:2:4/25_as_described_in;				
1	Foundation strip size (300x1500)mm	CM	12		
ī	WALL UPSTAND (300-200)mm TAPER	CM	58		
		G			
	Sawn/Steel form work to				
κ	Vertical sides of WALL	SM	450		
L	Ditto wall base 300MM girth	LM	55		
					<u> </u>
	Steel reinforcement bars including tying bending				
	spacer blocks tying wires and fixing high tensile				
	bars to BS 4461				
М	Y8-12mm	KG	8400		
N	25mm thick cement/sand (1:4 ) rendering on walls surfaces	SM	450		
	finished smooth to receive bituminous paint				
	TOTAL THIS PAGE				

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SWITCH_YARD_PLINTHES  220KY_SWITCH_GEAR  Switchgear Foundation plinthes for the following 220kv KPLC  TO -150mm on new proposed bay consisting of typical 1000x1000mm plinths CONSISTING of the following plinths -; 3NO -5D2;NO-CB4 no. ISOLATOR;3NO-VTs;3 NO-post;TOTAL PLINTHS 16 NO.  A Excavate foundation pits commencing from reduced level but not CM 96 exceeding 1.5 m deep  B ditto 1.5m to 3m CM 96 extra over in compacted maruum and all classes of rock CM 16  C Backfill and ram selected excavated material around foundations CM 75  D Cart away surplus excavated materials from Site to municipal council designanted damping site.  E Disposal of water and Strutting ITEM 1  F Blinding mix (1x4.8 - 50 mm) SM 40  G Class 25(20) in foundations CM 15  H Class 25(20) in stub col bases with face finishes CM 48  1 steel 8 to 16mm to bases and column KG 4800  J Shuttering to columns stubs SM 200  K Edges; 75 to 300 mm to plinths  L grouting bolts finserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by cilent  M 3mm thick plaster (13mix) to top surface of foundations with smooth finish trovelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Switchgear Foundation plinthes for the following 220kv KPLC   TO +150mm on new proposed bay consisting of typical 1000x1000mm plinths CONSISTING of the following plinths -; 3NO -5D;3NO-CB;4 no. ISOLATOR;3NO-VTs;3 NO-post;TOTAL PLINTHS 16 NO.   SOLATOR;3NO-VTs;3 NO-post;TOTAL PLINTHS 16 NO.   Solator to 3m	77 2111			411	10112	70000111
Switchgear Foundation plinthes for the following 220kv KPLC TO +I50mm on new proposed bay consisting of typical 1000x000mm plinths CONSISTING of the following plinths -: 3NO -SD;3NO-CB;4 no. ISOLATOR;3NO-VTs;3 NO-post;TOTAL PLINTHS 16 NO.  A Excavate foundation pits commencing from reduced level but not exceeding 1.5 m deep  B ditto 1.5m to 3m						
exceeding 1.5 m deep  B ditto 1.5m to 3m    extra over in compacted maruum and all classes of rock C Backfill and ram selected excavated material around foundations CM 75  D Cart away surplus excavated materials from Site to municipal council designanted damping site. E Disposal of water and Strutting F Blinding mix (1:4:8 - 50 mm) G Class 25(20) in foundations CM 15  H Class 25(20) in stub col bases with face finishes CM 48  I steel 8 to 16mm to bases and column KG 4800 J Shuttering to columns stubs K Edges; 75 to 300 mm to plinths L grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client  M I3mm thick plaster (1:3mix) to top surface of foundations with smooth finish trowelled N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.		TO +150mm on new proposed bay consisting of typical 1000x1000mm plinths CONSISTING of the following plinths -; 3NO -SD;3NO-CB;4 no. ISOLATOR;3NO-VTs;3 NO-post;TOTAL			55	
extra over in compacted maruum and all classes of rock  C Backfill and ram selected excavated material around foundations  CM 75  D Cart away surplus excavated materials from Site to municipal council desiganated damping site.  E Disposal of water and Strutting  F Blinding mix (1:4:8 - 50 mm)  G Class 25(20) in foundations  CM 15  H Class 25(20) in stub col bases with face finishes  CM 48  I steel 8 to 16mm to bases and column  KG 4800  J Shuttering to columns stubs  K Edges; 75 to 300 mm to plinths  L grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client  M 13mm thick plaster (1:3mix) to top surface of foundations with smooth finish trowelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	A		СМ	96		
C Backfill and ram selected excavated material around foundations CM 75  D Cart away surplus excavated materials from Site to municipal council designated damping site.  E Disposal of water and Strutting ITEM I  F Blinding mix (1:4:8 - 50 mm) SM 40  G Class 25(20) in foundations CM 15  H Class 25(20) in stub col bases with face finishes CM 48  1 steel 8 to 16mm to bases and column KG 4800  J Shuttering to columns stubs SM 200  K Edges; 75 to 300 mm to plinths LM 110  E grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client  M 13mm thick plaster (1:3mix) to top surface of foundations with smooth finish trowelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	В	ditto 1.5m to 3m	CM	96		
D Cart away surplus excavated materials from Site to municipal council designated damping site.  E Disposal of water and Strutting ITEM 1  F Blinding mix (1:4:8 - 50 mm) SM 40  G Class 25(20) in foundations CM 15  H Class 25(20) in stub col bases with face finishes CM 48  1 steel 8 to 16mm to bases and column KG 4800  J Shuttering to columns stubs SM 200  K Edges; 75 to 300 mm to plinths LM 110  E grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client  M 13mm thick plaster (1:3mix) to top surface of foundations with smooth finish trowelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.		extra over in compacted maruum and all classes of rock	CM	16		
council designated damping site.  E Disposal of water and Strutting ITEM 1  F Blinding mix (1:4:8 - 50 mm) SM 40  G Class 25(20) in foundations CM 15  H Class 25(20) in stub col bases with face finishes CM 48  1 steel 8 to 16mm to bases and column KG 4800  J Shuttering to columns stubs SM 200  K Edges; 75 to 300 mm to plinths LM 110  L grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client  M 13mm thick plaster (1:3mix) to top surface of foundations with smooth finish trowelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	С	Backfill and ram selected excavated material around foundations	СМ	75		
F Blinding mix (1:4:8 - 50 mm)  G Class 25(20) in foundations  H Class 25(20) in stub col bases with face finishes  CM 48  I steel 8 to 16mm to bases and column  KG 4800  J Shuttering to columns stubs  K Edges; 75 to 300 mm to plinths  L grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client  M 13mm thick plaster (1:3mix) to top surface of foundations with smooth finish trowelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	D	1 ' '	СМ	135		
G Class 25(20) in foundations  H Class 25(20) in stub col bases with face finishes  CM 48  I steel 8 to 16mm to bases and column  KG 4800  J Shuttering to columns stubs  K Edges; 75 to 300 mm to plinths  L grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client  M I3mm thick plaster (I:3mix) to top surface of foundations with smooth finish trowelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	E	Disposal of water and Strutting	ITEM	1		.35
H Class 25(20) in stub col bases with face finishes  CM 48  I steel 8 to 16mm to bases and column  KG 4800  J Shuttering to columns stubs  K Edges; 75 to 300 mm to plinths  L grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client  M I3mm thick plaster (I:3mix) to top surface of foundations with smooth finish trowelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	F	Blinding mix (1:4:8 - 50 mm)	SM	40		
I steel 8 to 16mm to bases and column  KG 4800  J Shuttering to columns stubs  K Edges; 75 to 300 mm to plinths  L grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client  M I3mm thick plaster (1:3mix) to top surface of foundations with smooth finish trowelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	G	Class 25(20) in foundations	CM	15		
Shuttering to columns stubs   SM   200	Н	Class 25(20) in stub col bases with face finishes	CM	48		
K Edges; 75 to 300 mm to plinths  L grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client  M I3mm thick plaster (I:3mix) to top surface of foundations with smooth finish trowelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	1	steel 8 to 16mm to bases and column	KG	4800		
L grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client  M 13mm thick plaster (I:3mix) to top surface of foundations with smooth finish trowelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	J	Shuttering to columns stubs	SM	200		
pouring concrete not exceeding 600mm long-bolts supplied by client  M I3mm thick plaster (I:3mix) to top surface of foundations with SM 72 smooth finish trowelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	К	Edges; 75 to 300 mm to plinths	LM	110		
Smooth finish trowelled  N Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	L	pouring concrete not exceeding 600mm long-bolts supplied by	NO	64		
including security for all copper strip edges  O supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	М	· · · · · · · · · · · · · · · · · · ·	SM	72		
on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	N	l	ITEM	1		
TOTAL THIS PAGE	O	on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for	ITEM	1		
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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2	SWITCH YARD PLINTHES	GNII	प्रा	IVATE	AMOUNT
<del>-</del> -	66 KV SWITCHGEAR				
	Switchgear Foundation plinthes for the following 66kv KPLC TO +150mm on new proposed bay consisting of typical 1000x1000mm plinths CONSISTING of the following plinths -; 3NO -CT;2NO-CB; 8 no. ISOLATOR;3NO-VTs; 1 NO-MAST ;1 NO GANTRY;4NO-UG/OH transitionTOTAL PLINTHS 22 NO.				
A	Excavate foundation pits commencing from reduced level but not exceeding 1.5 m deep	СМ	120		
В	ditto 1.5m to 3m	CM	120		
	extra over in compacted maruum and all classes of rock	CM	24		
С	Backfill and ram selected excavated material around foundations	CM	95		
D	Cart away surplus excavated materials from Site to municipal council desiganated damping site.	CM	155		
Е	Disposal of water and Strutting	ITEM	1		
F	Blinding mix (1:4:8 - 50 mm)	SM	50		
G	Class 25(20) in foundations	CM	20		
Н	Class 25(20) in stub col bases with face finishes-marine ply finish	CM	58		
1	steel 8 to 16mm to bases and column	KG	5950		
J	Shuttering to columns stubs	SM	300		
K	Edges; 75 to 300 mm to plinths	LM	135		
L	grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client	NO	104		
М	13mm thick plaster (1:3mix) to top surface of foundations with smooth finish trowelled	SM	95		
N	Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges	ITEM	1		
0	supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	ITEM	1	3-	
	TOTAL THIS PAGE		387		

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Р	FACILITATE for KPLC to do earthing which will include all excavations of earth pits 1000mmx1000mmx1000mm-max 5 pits;linking trenches not exceeding 400mmx600mm approx 200lm OR 4m grids ;supply of murram soil and /or red soil to cover mat	ITEM	1		
	A1 C 21	19771.4			
Q	Alow for connection of oilsump to existing separation unit	ITEM	1		
	90MVA_NO.TRANSFORMER_PLINTH				
	<del></del>				
4 1	Excavate pit foundations not exceeding 3 metres deep from reduced levels	СМ	432		
В	EXTRA OVER for excavation in compacted marum and all rocjk classes	CM	144		
С	Return fill and ram suitable excavated material to the sides of the	СМ	100		
	Companyan from aita annulus anasyabad mataniala	СМ	476		
D	Cart away from site surplus excavated materials	CIVI	476		
E	Plain concrete 50mmm thick blinding 1:4:8 to footing	SM	150		
F :	Vibrated Reinforced Concrete Class 25/20 mm Aggregate in:-				
G	Base	СМ	44		
Н	PEDESTALS	CM	40		
П	, 2020 , , 100		40		
1 (	COVER SLAB-300mm thick	CM	45		
1	High Tensile Steel Reinforcement Bars; Cold Worked to BS 4461. (Provisional)				
1	12 mm diameter	KG	6300		
	Fairface Formwork to:-	7.0	0300		
	PEDESTAL BEAMS-UPSTANDS	SM	430		
L '	Vertical sides of footing	LM	50		
			0		
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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.0111	Hardcore filling	2,411	411	10/1/2	7,1110,01141
М	Approved hardcore filling compacted to Engineer's approval;WITH COMPACTION in layers to 95 MDD or equivalent;withmuruum layer s in 200mm layers	СМ	320		
N	Blind surface of hardcore with quary DUST	SM	150		
0	1000 gauge polythene sheet laid over hardcore	SM	150		
	Total this page and Carried to Summary Page SUMP RCC WALLING				
	Mass_insitu_concrete_(1:4:8)_in:-				
Α	Strip footing	SM	48		
	Vibrated Reinforced Concrete Class 25/20 mm Aggregate in:				
В	Base	CM	8		
С	Walling finished fair face	CM	15		
	Formwork				
D	Vertical sides of base	SM	50		
Е	Vertical sides of walling	LM	100		
	High Tensile Steel Reinforcement Bars: Cold Worked to BS 4461 (Provisional)			-	
F	8 mm diameter	KG	1100		
G	Supply and fix fabicated heavy duty gratting 50x4mm thick flats fastened on 50x50x6mm angle iron fastened to contrete with 6mm plate with full welds with holding angle line 50x50mm; all galvanized	ITEM	1	===	
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SUMMARY	PAGE					
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BROUGHT	DOWN FROM PAGE 6					
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