

**ELECTRICAL MATERIAL/ITEM RATES FOR THE YEAR 2012-13**

<b>Sr. No.</b>	<b>Item</b>	<b>Unit</b>	<b>Rate (in Rs)</b>
<b>1) POLES</b>			
a	RCC poles 7.5 mtr	Nos.	3632
b	RCC poles 9.00 mtr	Nos.	5327
c	RCC poles 11.00 mtr	Nos.	10653
d	M.S. Rail Poles 90 lb/yd	M/T	55650
e	M.S. Rail Pole 105 lb/yd	M/T	55650
<b>2) CROSS ARMS</b>			
a	HDGI 2 pin 'X' arm of 50 x 50 Angle	Nos.	327
b	HDGI 2 pin 'X' arm of 75 x 40 Channel	Nos.	275
c	HDGI 4 pin 'X' arm of 50 x 50 Angle	Nos.	551
d	HDGI 4 pin 'X' arm of 75 x 40 Channel	Nos.	657
e	HDGI 11 KV V-shape 'X' arm	Nos.	897
f	HDGI 33 KV V-shape 'X' arm	Nos.	1372
<b>3) CLAMPS</b>			
a	HDGI 'X' arm clamps for RCC Pole 7.5 mtr S.A.	Nos.	99
b	HDGI 'X' arm clamps for RCC Pole 7.5 mtr L.A.	Nos.	99
c	HDGI 'X' arm clamps for RCC Pole 9.00 mtr S.A.	Nos.	148
d	HDGI 'X' arm clamps for RCC Pole 9.00 mtr L.A.	Nos.	148
e	HDGI X arm clamps for RCC Pole 11.00 mtr S.A	Nos.	232
f	HDGI X arm clamps for RCC Pole 11.00 mtr L.A	Nos.	232
e	HDGI stay clamps for RCC Pole 7.5 mtr S.A.	Nos.	148
g	HDGI stay clamps for RCC Pole 7.5 mtr L.A.	Nos.	148
h	HDGI stay clamps for RCC Pole 9 mtr S.A.	Nos.	269
i	HDGI stay clamps for RCC Pole 9 mtr L.A.	Nos.	269
j	HDGI stay clamps for Rail Pole 90lb S.A.	Nos.	422
k	HDGI stay clamps for Rail Pole 90lb L.A.	Nos.	422
l	HDGI stay clamps for Rail Pole 105 lb L.A.	Nos.	422
m	HDGI stay clamps for Rail Pole 105l lb S.A.	Nos.	422
n	HDGI stay clamps for RCC Pole 11.00Mts S.A.	Nos.	348
o	HDGI stay clamps for RCC Pole 11.00Mts L.A.	Nos.	348
p	HDGI top fitting for LT/11 KV RCC pole	Nos.	148
q	CI packing pieces for Rail Pole 105 lb	Nos.	135
r	CI packing pieces for Rail Pole 90 lb	Nos.	135
s	HDGI top fitting for LT/11 KV RCC pole	Nos.	148
t	HDGI 'X' arm clamps for 90lb Rail Pole SA	Nos.	290
u	HDGI 'X' arm clamps for 90 lb Rail Pole LA	Nos.	290
v	HDGI 'X' arm clamps for 105 lb Rail Pole S.A	Nos.	290
w	HDGI 'X' arm clamps for 105 lb Rail Pole L.A.	Nos.	290
<b>4) CONDUCTOR &amp; G.I. WIRE</b>			
a	ACSR conductor 'WEASEL'	Kms	18337
b	ACSR conductor 'RACCON'	Kms	44051
c	AAC conductor 'ANT'	Kms	25638
d	AAC conductor 'GNAT'	Kms	13085
e	HDG.I. stay wire 7/10 SWG	Kgs	82
f	HDG.I. barbed wire	Kgs	75
<b>5) STEEL</b>			
a	M.S. Channel 100 x 50 mm (ISMC)	M/T	54600
b	M.S. Channal 75 x 40mm (ISMC)	M/T	54600
c	M.S. Angle 50 x 50 x 6mm	M/T	54600
d	M.S. Angle 65 x 65 x 6mm	M/T	54600

<b>Sr. No.</b>	<b>Item</b>	<b>Unit</b>	<b>Rate (in Rs)</b>
<b>6) ICTPN SWITCHES AND FUSES</b>			
a	Kit Kat Fuse 100A, 415V	Nos.	990
b	Kit Kat Fuse 200A, 415V	Nos.	1313
c	Kit Kat Fuse 300A, 415V	Nos.	1559
d	Kit Kat Fuse 400A, 415V	Nos.	1692
e	Switch disconnecter fuse unit 100A, 415V	Nos.	2892
f	Switch disconnecter fuse unit 200A, 415V	Nos.	4208
g	Switch disconnecter fuse unit 315A, 415V	Nos.	6570
h	Switch disconnecter fuse unit 400A, 415V	Nos.	7323
i	Switch disconnecter fuse unit 63A, 415V	Nos.	1792
59	Triple Pole moving contact for EE switch	Nos.	0
j	I.C.T.P.N. 32A/415V	Nos.	911
k	I.C.T.P.N. 63A/415V	Nos.	1899
<b>7) PAINTS</b>			
a	Aluminium paint.	Ltr	171
b	Red oxide paint.	Ltr	120
c	Aircraft Gray paint.	Ltr	150
<b>8) TRANSFORMERS</b>			
<b>a) Distribution transformers</b>			
i	100 KVA Distribution Transformers	Nos.	94113
ii	200 KVA Distribution Transformers	Nos.	152061
iii	100 KVA Distribution Transformers star rated	Nos.	111002
iv	200 KVA Distribution Transformers star rated	Nos.	194753
v	400 KVA Distribution Transformers	Nos.	507926
vi	630 KVA Distribution Transformers	Nos.	699879
vii	200 KVA 33KV/433V Station Transformers	Nos.	300000
<b>b) Power Transformers</b>			
i	6.3 MVA, 33/11KV Power Transformers	Nos.	4905910
<b>c) Protection &amp; Measuring Transformers</b>			
i	33 KV CT's resin cast: 100/5Amps (Metering)	Nos.	25135
ii	33 KV PT's,100 V. A	Nos.	27200
iii	33 KV CT's of ratio 75/5 Amps, resin cast.	Nos.	25135
iv	CTPT units of ratio 50/5 Amps	Nos.	25135
v	33 KV resin cast CT 25/5 Amps	Nos.	25135
vi	33 KV resin cast CT 50/5 Amps	Nos.	25135
vii	33 KV resin cast CT 100/5 Amps	Nos.	25135
viii	33 KV CT's of ratio 400-200/5-5 Amps (station)	No	42839
ix	33 KV CT's of ratio 400-200/1-1 Amps (station)	No	42839
x	11KV CT epoxy cast indoor type CT of ratio 50/5, 15VA, Class 0.5	No	9500
xi	11KV CT epoxy cast indoor type CT of ratio 25/5, 15VA, Class 0.5	No	9500
xii	11KV CT epoxy cast indoor type CT of ratio 12.5/5, 15VA, Class 0.5	No	9900
<b>9) G.O.A.B SWITCHES &amp; H.G. FUSE UNITS</b>			
a	G.O.A.B. Switch 11 KV 200 Amps	Sets	10530
b	G.O.A.B. Switch 11 KV 400 Amps	Sets	14995
c	G.O.A.B. Switch 36 KV 630 Amps (double break)	Sets	48114
d	G.O.A.B. Switch 36 KV 800 Amps (double break)	Sets	86082
e	G.O.A.B. Switch 36 KV 800 Amps (D.B with earthing )	Sets	98303
f	H.G. Fuse unit 11 KV 200 Amps	Sets	6500
<b>10) LIGHTNING ARRESTORS</b>			
a	Lightning Arrestors 9 KV 5 KA	Sets	1282
b	Lightning Arrestors 9 KV station type, 10 KA	Sets	5504
c	Lightning Arrestors 30 KV 10 KA station type	Sets	13133

Sr. No.	Item	Unit	Rate (in Rs)
d	Lightning Arrestors 30 KV station type (5 KA)	Sets	6265
<b>11) ENERGY METERS</b>			
a	Electronic energy meters single phase 5-20 Amps	Nos.	1291
b	Electronic energy meters 3 phase 10-60 Amps (RS-485)	Nos.	2594
c	Electronic TV meter 3P 3W 110V-5 Amps (RS-485)	Nos.	6240
d	Electronic TV meter 3P 4W 110V-5 Amps (RS-485)	Nos.	14095
e	Electronic TV meter 3P 4W 110V-1Amps (RS-485)	Nos.	15274
f	11KV Metering cubicle complete.	Nos	254603
g	33KV Metering cubicle complete.	Nos	348761
h	DTC Metering Unit	Nos	22000
<b>12) G.I. NUTS &amp; BOLTS</b>			
a	16mm G.I. Washers	Kgs.	137
b	G.I. Nuts & Bolts 65x12mm	Kgs.	137
c	G.I. Nuts & Bolts 65x16mm	Kgs.	137
d	G.I. Nuts & Bolts 75x16mm	Kgs.	137
e	G.I. Nuts & Bolts 100x16mm	Kgs.	137
f	G.I. Nuts & Bolts 125x16mm	Kgs.	137
g	G.I. Nuts & Bolts 150x16mm	Kgs.	137
h	G.I. Nuts & Bolts 175x16mm	Kgs.	137
i	G.I. Nuts & Bolts 260x16mm	Kgs.	137
<b>13) BOXES</b>			
a	A' type street light boxes (FRP)	Nos.	2639
b	Meter boxes for Electronic Trivector meter	Nos.	5500
c	Distribution Boxes(M.S)	Nos.	11527
d	Distribution Boxes(M.S) with MCCB & Kit-Kat fuses	Nos.	30983
e	Enamelled Danger board 400V of size 250mm x 200 mm.	Nos.	173
<b>14) STREET LIGHT MATERIALS</b>			
a	Starter for fluorescent lamp 40W	Nos.	7
b	40W chokes for fluorescent tubes ( Copper wound)	Nos.	140
c	36/40w Electronic waterproof Chokes		105
d	1x40 street light fixtures, 5 Star rated	Nos.	750
e	4", 40W fluorescent tubes	Nos.	56
f	HPSV lamps 150 W	Nos.	500
g	HPSV lamps 250 W	Nos.	535
h	150W HPSV chokes	Nos.	650
i	20MFD Capacitor for 150 W HPSV Fitting	Nos.	90
j	250W HPSV chokes	Nos.	668
k	Ignitor Sutable for 150 W HPSV fitting	Nos.	67
l	Ignitor Sutable for 250 W HPSV fitting	Nos.	67
m	33 MFD Capacitor for 250W HPSV	Nos.	105
n	CFL lamp 80-85 watts	Nos.	710
o	HPSV fitting 150w	Nos.	4112
p	HDGI st. light clamps for 25mm pipe (top/bottom)	Pairs	317
q	HDGI st. light clamps for 40mm pipe (top/bottom)	Pairs	401
r	G.I. Bent pipe 1.5m x 40mm	Nos.	538
s	G.I. Bent pipe 1m x 25mm	Nos.	232
<b>15) G.I. STAY SETS</b>			
a	G.I. Stay rod & plate 33 KV line	Sets	2534
b	G.I. Stay rod & plate LT/11KV line	Sets	1372
c	G.I. Turn Buckle with eye bolt 33 KV	Sets	739
d	G.I. Turn Buckle with eye bolt 11 KV	Sets	317
<b>16) INSULATORS &amp; METAL PARTS</b>			

Sr. No.	Item	Unit	Rate (in Rs)
a	33 KV Pin Insulators	Nos.	1002
b	G.I. Pin for 33 KV Pin Insulators	Nos.	264
c	11 KV Pin Insulators	Nos.	210
d	G.I. Pin for 11 KV Pin Insulators	Nos.	143
e	L.T. Pin Insulators	Nos.	72
f	G.I. Pin for L.T.Pin Insulators	Nos.	74
g	11 KV disc insulators 70 KN	Nos.	783
h	11 KV disc insulators 45 KN	Nos.	712
i	Metal parts for 11 KV disc 70 KN, 3 bolted type.	Nos.	974
j	Metal parts for 11 KV disc 45 KN, 3 bolted type.	Nos.	837
k	L.T. Shackle insulators	Nos.	103
l	Metal parts for L.T. Shackle insulators	Nos.	131
m	Break insulators 15 KV (88KN)	Nos.	127
n	Break insulators 8 KV (44KN)	Nos.	107
o	Post type insulators 11 KV	Nos.	400
p	33 KV long rod insulators	Nos.	4588
<b>17) G.I. PIPES &amp; EARTHING PIPES</b>			
a	G.I. Earthing Pipe 40x2500mm, class B	Nos.	1267
b	GI Pipe 50 mm, class B	Mts	210
c	GI Pipe 100mm, class B	Mts	487
d	GI Pipe 150mm, class B	Mts	1073
e	HDGI DP Structural material	Kgs	100
f	Earthing complete with 40mm GI Pipe, 2.5 mts long alongwith 20 kgs each salt, charcoal complete.	Set	1542
g	Earthing complete with 40mm GI Pipe, 2.5 mts long alongwith 20 kgs each salt, charcoal complete with brick masonry.	Set	2119
h	GI Flat 25 x 5 mm.	Mts	70
<b>18) RCC items</b>			
a	RCC Hume Pipe 100mm	Mts	191
b	RCC Hume Pipe 150mm	Mts	258
c	RCC Hume Pipe 250mm	Mts	478
d	RCC Cable route marker.	Mts	116
<b>19) FUSE WIRES</b>			
a	Tinned copper fuse wire 10 Amps	Kgs.	689
b	Tinned copper fuse wire 20 Amps	Kgs.	689
c	Tinned copper fuse wire 80 Amps	Kgs.	689
d	Tinned copper fuse wire 100 Amps	Kgs.	689
e	Tinned copper fuse wire 150 Amps	Kgs.	689
f	Tinned copper fuse wire 200 Amps	Kgs.	689
g	Tinned copper fuse wire 300 Amps	Kgs.	689
<b>20) CABLES</b>			
<b>a) Service connection wire</b>			
i	PVC wire 2C x 1.5 sq.mm 1.1 KV Grade	Mts.	6
ii	PVC wire 2C x 2.5 sq.mm 1.1 KV Grade	Mts.	7
iii	PVC wire 2C x 4sq.mm 1.1 KV Grade	Mts.	10
iv	PVC wire 2C x 6sq.mm 1.1 KV Grade	Mts.	13
v	PVC wire 2C x 10sq.mm 1.1 KV Grade	Mts.	16
<b>b) Control cable</b>			
i	PVC wire 3C x 1.5sq.mm Control Copper Cable	Mts.	75
ii	PVC wire 3C x 2.5sq.mm control copper cable	Mts.	105
iii	PVC wire 4C x 2.5sq.mm control copper cable	Mts.	120
<b>c) Power Cable</b>			
i	XLPE Armoured cable 2C x 6 sq.mm, 1.1KV Grade	Mts	60

Sr. No.	Item	Unit	Rate (in Rs)
ii	XLPE Armoured cable 2C x 10 sq.mm, 1.1KV Grade	Mts	80
iii	XLPE Armoured cable 4C x 16 sq.mm, 1.1KV Grade	Mts.	150
iv	XLPE Armoured cable 3 1/2C X 25 sq.mm, 1.1KV Grade	Mts.	190
v	XLPE cable armoured 3 1/2 C X 35 sq.mm 1.1 KV Grade	Mts.	230
vi	XLPE cable armoured 3 1/2 C X 50 sq.mm 1.1 KV Grade	Mts.	304
vii	XLPE cable armoured 3 1/2 C X 70 sq.mm 1.1 KV Grade	Mts.	398
viii	XLPE cable armoured 3 1/2 C X 95 sq.mm 1.1 KV Grade	Mts.	491
ix	XLPE cable armoured 3 1/2 C X 120 sq.mm 1.1 KV Grade	Mts.	619
x	XLPE cable armoured 3 1/2 C X 185 sq.mm 1.1 KV Grade	Mts.	888
xi	XLPE cable armoured 3 1/2 C X 240 sq.mm 1.1 KV Grade	Mts.	1137
xii	XLPE cable armoured 3 1/2 C X 300 sq.mm 1.1 K.V Grade	Mts.	1392
xiii	XLPE Single Core unarmoured 95 sq mm 1.1 KV grade	Mts.	72
xiv	XLPE Single Core unarmoured 120 sq mm 1.1 KV grade	Mts.	93
xv	XLPE Single Core unarmoured XLPE 150 sq mm 1.1KV grade	Mts.	115
xvi	XLPE Single Core unarmoured 185 sq mm 1.1.KV grade	Mts.	141
xvii	XLPE Single Core unarmoured 240 sq mm 1.1KV grade	Mts.	186
xviii	XLPE Single Core unarmoured 300 sq mm 1.1KV grade	Mts.	236
xix	XLPE cable 11KV 3C X 35 sq.mm armoured	Mts.	350
xx	XLPE cable 11KV 3C X 50 sq.mm armoured	Mts.	396
xxi	XLPE cable 11KV 3C X 70 sq.mm armoured	Mts.	471
xxii	XLPE cable 11KV 3C X 95 sq.mm armoured	Mts.	557
xxiii	XLPE cable 11KV 3C X 120 sq.mm armoured	Mts.	628
xxiv	XLPE cable 11KV 3C X 185 sq.mm armoured	Mts.	832
xxv	XLPE cable 11KV 3C X 240 sq.mm armoured	Mts.	983
xxvi	XLPE cable 11KV 3C X 300 sq.mm armoured	Mts.	1132
xxvii	XLPE cable 33KV 3C X 400 sq.mm armoured type A2XFY	Mts	2106
xxviii	XLPE cable 33KV 3C X 185 sq.mm armoured type A2XFY	Mts	1473
<b>21) TAPES &amp; TERMINATION KITS</b>			
a	415V straight through joint 3 1/2 core 95 Sq mm	Nos.	987
b	415V straight through joint 3 1/2 core 150 Sq mm	Nos.	987
c	415V straight through joint 3 1/2 core 300 Sq mm	Nos.	1762
d	H.S.11 KV Termination kit indoor 120 to 185 XLPE 3 Core	Nos.	6057
e	H.S 11 KV Termination kit indoor 240/300 XLPE 3 core	Nos.	6642
f	H.S 11KV. Termination kit indoor 50 to 95 XLPE 3 core	Nos.	5061
g	H.S.11 KV Termination kit outdoor 50 to 95 XLPE 3 core	kits	8152
h	H.S.11KV Termination kit outdoor 120 to 185 XLPE 3 core	kits	8743
i	H.S.11 KV Termination kit outdoor 240/300 XLPE 3 core	kits	9843
j	H. S. 11KV straight through joint 3 core 300 Sq mm	Nos.	25800
k	H. S. 11KV straight through joint 3 core 50 to 95 Sq mm	Nos.	18700
l	H. S. 11KV straight through joint 3 core 120 to 185 Sq mm	Nos.	23690
m	H. S. 11KV straight through joint 3 Core 240 to 400 Sq.mm	Nos.	25800
n	H.S.33 KV Straight through joint 3 C 400 Sq mm XLPE	kits	42600
o	H. S. 33KV Indoor Temination Kit for 3C 400 Sq.mm XLPE	kits	16076
p	H.S.33 KVOOutdoor Termination Kit for 3C 400 Sq mm XLPE	kits	25836
q	H.S. 33KV Straight through joint 3 C 185 Sq mm XLPE	kits	35000
r	H.S. 33KV Indoor Temination Kit for 3C 185 Sq.mm XLPE	kits	14178
s	H.S. 33KV Outdoor Termination Kit for 3C 185 Sq mm XLPE	kits	19520
<b>22) RING MAIN UNIT, LV SWITCHBOARD, DISTRIBUTION PILLARS AND OTHERS</b>			
a	11KV, 630 Amps, Outdoor, SF6 Ring Main Unit with two Load Break Switches and one Circuit Breaker .	No	375000
b	11KV, 630 Amps, Outdoor, SF6 Ring Main Unit with three Load Break Switches.	No	332449
c	33KV, 630A, 3 way Outdoor Ring Main Unit comprising of 2 nos. 630A isolators and 1 No. 630A SF6 Circuit Breaker.	No	2324231
d	33KV, 630A, 25KA, 3 way Outdoor Load Break Switch comprising of 3 nos. 630A isolators	No	1729532

Sr. No.	Item	Unit	Rate (in Rs)
e	Outdoor, LV Main Switchboard for 630KVA Transformer centre made out of CRCA sheet with PU painted and complete with all accessories, HDGI.mounting/base channels.	No	308525
f	Outdoor, LV Main Switchboard for 400KVA Transformer centre made of CRCA sheet with PU painted and complete with all accessories and HDGI mounting channels.	No	242894
g	Outdoor, LV Main Switchboard for 200KVA Transformer centre made of CRCA sheet with PU painted and complete with all accesories and HDGI mounting channels.	No	197194
h	6-way, TP&N, 3 phase, 415V, 2 nos. of 315Amps incomings and 6nos.of 200Amps outgoing rating type suitable for outdoor installation, made out of CRCA sheet with PU painted complete with all accesories and HDGI mounting channels. <b>(6 Way Feeder Pillar)</b>	No	178499
i	4-way, TP&N, 3 phase, 415V, 2 nos. of 315Amps incomings, 4 nos. of 200Amps outgoing rating type suitable for outdoor installation made out of CRCA sheet with PU painted complete with all accesories and HDGI mounting channels. <b>(4 way Feeder Pillar)</b>	No	163620
j	3 phase, 415V, 2nos of 200Amps incoming 3 TPN MCCBs and fitted with 12 Nos. 63 Amps SP, MCBs, 24nos. 32Amps SP, MCBs, 12 Nos.16 Amps SP, MCBs Distribution Service Pillar suitable for outdoor installation , made out of CRCA sheet with PU painted complete with all accesories and HDGI mounting channels <b>(48 way Distribution Service Pillar)</b>	No	93456
k	3 phase and N, 415V, 200A MCCB incoming; 3-phase and N, 415,V 200 A MCCB outgoing; 12 nos. 32A. SP, MCBs; 12nos. 16A, SP, MCBs; Distribution Service Pillar suitable for outdoor installation made out of of CRCA sheet with PU painted complete with all accessories and HDGI mounting channels. <b>(24 way Distribution Service Pillar)</b>	No	82817
l	3 phase, 415V, 100A MCCB incoming; 12 nos. of 16 A, SP MCBs, Distribution Service Pillar suitable for outdoor installation made out of of CRCA sheet with PU painted complete with all accessories, HDGI mounting channels, clamps, ties, nut bolts etc. <b>(12 way Distribution Service Pillar)</b>	No	36612
m	Street Light Service Pillar made out of CRCA sheet with PU painted complete with TPN incoming and outgoing MCCBs, TP Contactors, Electonic/Digital / mechanical Timer, connectors etc. complete <b>(Street light Pillar)</b>	No	43734
<b>23) GENERAL</b>			
a	Al. Crimping lug 25 sq.mm	Nos.	5
b	Al. Crimping lug 35 sq.mm	Nos.	9
c	Al. Crimping lug 50 sq.mm	Nos.	14
d	Al. Crimping lug 70 sq.mm	Nos.	21
e	Al. Crimping lug 95 sq.mm	Nos.	25
f	Al. Crimping lug 120 sq.mm	Nos.	32
g	Al. Crimping lug 150 sq.mm	Nos.	38
h	Al. Crimping lug 185 sq.mm	Nos.	46
i	Al. Crimping lug 240 sq.mm	Nos.	57
j	Al. Crimping lug 300 sq.mm	Nos.	79
<b>24) OTHER SPARES</b>			
a	ACB, 1000 Amps	Nos.	140738
b	ACB, 630 Amps	Nos.	129600
c	MCCB, 315 Amps	Nos.	16596
d	MCCB, 400 Amps	Nos.	16801
e	MCCB, 100 Amps	Nos.	12302
f	MCB, 32 Amps	Nos.	147
g	MCB, 16 Amps	Nos.	147
<b>25) SUB-STATION EQUIPMENTS</b>			
a	36KV, 1250A, 25KA, 3 pole outdoor type VCB.	No	350000

<b>Sr. No.</b>	<b>Item</b>	<b>Unit</b>	
			<b>Rate (in Rs)</b>
b	12 KV, 600/630 Amps, 25 KA, 3 phase, indoor type, feeder panel	No	<b>670069</b>

**26) EXCAVATION & OTHER ITEMS FOR UNDERGROUND CABLING**

a	Cuddappa of size 600mm length x 250mm width x 37mm thick	Nos	<b>50</b>
b	Sand	Cu.mts	<b>600</b>
c	Salt	Kgs	<b>4</b>
d	Charcoal	Kgs	<b>7</b>
e	Wire mesh fencing	Nos	<b>24950</b>
f	Warning tape	Nos	<b>12824</b>

The rates are inclusive of 2% service charges and VAT.