

# jkt dh; vksj kfxd if"kk.k I lFkku] dkl xat

## fufonk I puk : (Tender Notice)

egkeghe jkt; icy egkn; mRrj insk dh vksj I jkt dh; vksj kfxd if"kk.k I lFkku fdl jksh dkl xat ea fofHku rduhdh 0; ol k; ka ea if"kk.k gsrq Mh0th0bDVh0 Hkjr I jdkj ds ekud ds vu#i iz Qr gkus okyh I kt&I Ttk@Quhpj@e"khuka dh vki firz gsrq v |kgLrk{kjh }jkj jkt dh; vksj kfxd if"kk.k I lFkku@I EcfU/kr jkt dh; vki firz ds vu[koh] vk; dj ,oa 0; kikj dj ea iathdr bPNd vki firz drk/ka I s I hy cIn fyQkQs ea fufonk i zi = ds I kfk miyC/k gA VDUhdy fcM ,oa Qkbufr"k; y fcM vvx&vyx fyQkQs ea gksuk vfuok; Z gA

cd I 0	VsMj I q; k	I lexi dk foj .k	ek=k	fufonk "k/d	/kjkgj jk" k
1-	Hk.Mkj@VsMj@I kt&I Ttk@2016&17@411 fnukad 20-08-2016	I kt&I Ttk@Quhpj@e"khujh@dPpk eky	foLrr foj .k fufonk i zi = ea miyC/k gA	# 1500-00	# 3j00j000-00 %# rhu yk[k ek=1/2 , u-, -I h-@Mh-Mh-, Q-Mh- vkj- }jkj tksfd izkkukpk; Z jkt dh; vksj kfxd if"kk.k I lFkku] dkl xat ds i {k ea cl/kd gA

fufonk fdl h Hkh dk; Zfnol eafnukad 22@08@2016 I s 20@09@2016 rd ikr%10%0 cts I s 4%0 cts I k; a rd ikr dh tk I drh gA fnukad 21@09@2016 dks e/; klg 12%0 cts rd tek dh tk I drh gA ikr fufonk fnukad 22@09@2016 dks vi jklg 2%0 cts rd dz I febr ds I e{k [ksh tk; sxhA

VsMj I puk jk"Vh; I puk ,oa foku dhnz dkl xat dh col kbV [www.kasganj.nic.in](http://www.kasganj.nic.in) ,oa 0; ol kf; d ijh{k ifj"kn dh col kbV [www.vppup.in](http://www.vppup.in) ij miyC/k gA MkmuykM dh n"kk ea fufonk "k/d # 1500-00 dk cfdl Z psd@cid MRqV tks izkkukpk; Z vksj kfxd if"kk.k I lFkku] dkl xat ds uke I s dkl xat ea ns gks VsMj Qkez ds I kfk I yXu djuk vfuok; Z gksk rFkk Mk d I selkus ij # 50-00 vfrjDr ns gksA vf/kd tkudkj ds fy, I lFkku ds Hk.Mkj ea I Ei dz dj I drs gA

v |kgLrk{kjh dks fcuk dkj .k crk; s fdl h Hkh fufonk dks ; k I eLr fufonkvka dks fujLr djus dk rFkk frfFk ifjorU djus dk iwZ vf/kdkj I jf{kr gksxA

Hkonh;

%o/ksk fl g1/2

izkkukpk; Z

jkt dh; vksj kfxd if"kk.k I lFkku  
dkl xat

# jkt dh; vks| kfxd if" k{k.k l LFkku] dkl xat

## fufonk i i =

- 1- fufonk l 0 HkMkj@VsMj@l kt&l Ttk@2016&17@412
- 2- fufonk i i = tkjh fnukd 22@08@2016
- 3- fufonk "ktd 1]500-00 %i Ung l kS : i ; sek=½
- 4- Mkd }kjk fufonk ekus ij 50-00 %i pkl : i ; % vfrfjDr
- 5- /kjkj jkf" k 3]00]000-00 %ru yk[k : i ; sek=½
- 6- fufonk dz dh frfFk , oa vfire frfFk 22@08@2016 l s20@09@2016 l ka 4%0 cts rd
- 7- fufonk tek djus dh vfire frfFk 21@09@2016 e/; klg 12%0 cts rd
- 8- fufonk [kkyus dh frfFk o l e; 22@09@2016 l ka 2 cts
- 9- fufonk tek djus o [kkyus dk LFkku jkt dh; jkt dh; vks| kfxd if" k{k.k l LFkku] dkl xat
- 10- fujh{k.k tkp l fefr }kjk
- 11- Li d hfQd'sku l elr l kt&l Ttk , oa dPpk eky ISI/ISO & Good Quality
- 12- l yXu dgy i llus dh l d; k v- fu; e , oa "kra dgy i llus & 05  
c- dPps eky , oa l kt&l Ttk dh l ph dgy i llus &

Hkonh;

%o/k's'k fl g½

i zkkukpk; Z

jkt dh; vks| kfxd if" k{k.k l LFkku  
dkl xat

# jkt dh; vks| kfxd if" k{k.k l lFkku] dkl xat A

## fufonk iLrqr djus dh egRoiwkZ "krã @ ifrcU/k

- 1- fufonk iLrqrdrkZ dPpk eky ,oa l kt&l Ttk vki firZ dk; Z ea n{k o vuttkoh gksuk rFkk jkt dh; vks| kfxd if" k{k.k l lFkku ea 10 o"kkã dk vuttko gks ¼vuttko iek.k i= l ayXu djãA
- 2- iLrqr nj U; ure vkxkeh 01 o"kZ rd Oks| jguh pkfg, A
- 3- l eLr dPpk eky ,oa l kt&l Ttk jkt dh; vks| kfxd if" k{k.k l lFkku] fd l jkSyh dkl xat ds Hk. Mkj ea vki firZ dh tkuh gã
- 4- l eLr nja u; s l keku dh gksuh pkfg, rFkk l eLr dPpk eky@l kt&l Ttk vkbD, l OvkbD ekdZ vFkok l ed{k ,oa mPpre DokfyVh dk gksuk pkfg, A l kFk gh l kexh dh xqkorRk Hkh egRoiwkZ gksuh pkfg, A
- 5- Ø; vkn'sk tkjh gksus ds 15 fnu ds vlnj dPpk eky@l kt&l Ttk dh i firZ fd; k tkuk vfuok; Z gksxA l e; l s vki firZ iklr u gksus dh n"kk ea Ø; kn'sk fujLr ekuk tk, xk ,oa vuL V euh dks tCr dj fy; k tk, xkA
- 6- iLrqr njka ea 0; k k j dj vU; dkbZ dj l fefyr g\$ vFkok ugha g\$ bl dk Li"V mYy\$[k dja l kFk gh VDI vfrfjDr ns gãrksml dh nj vadr djã
- 7- iLrqr njka ea Vã iksj@pãh@iãdx vkfn l fefyr gksuh pkfg, A ; g vyx l s ns ekU; ugha gksxA jkLrsea gq h VW&QW dh ftEenkh vki firZdrkZ dh gksxA
- 8- fufonk l hYM cUn fyQkQs ea iLrqr djã
- 9- fufonk nks Hkkxka ea iFkd&iFkd l hYM cUn fyQkQka ea iLrqr dh tk, xhA iFke Hkkx dks l hYM fyQkQka ea ft l ea iã =@vks| pkfjdrkva@iã=rk l EcfU/kr iã = ds l kFk&l kFk l eLr dPpk eky ,oa l kt&l Ttk ds rduhdh ekud l ph ,oa vuL V euh dh , QOMhOvkj0@cãd MRV l ayXu gksxA l eã/kr iã = j[k dj ml ds Åij rduhdh vfHky\$[k vadr fd; k tk, xkA f}rh; Hkkx dks l hYM fyQkQs ea vkbZ/e dh nj vadr dj ml ds Åij QkbZuS" k; y vkQj vadr fd; k tk, xkA nkaus fyQkQka dks iã%, d vkoj.k ea l hYk fd; k tk, xkA
- 10- rduhdh vkQj ds fyQkQs ea ifrHkfr /kujk" k ¼vuL V euh½ # 3]00]000@& dk cãd MRV@, QOMhOvkj0 izkkukpk; Z jkt dh; vks| kfxd if" k{k.k l lFkku] dkl xat ds i{k ea l ayXu fd; k tkuk vfuok; Z gã
- 11- fu/kkZjr frfFk ,oa l e; ij rduhdh fufonk ds fyQkQs dks igys [kkyk tk; xkA rduhdh fufonk ea v l Qy fufonkdrkZ/ka dh QkbZuS" k; y fufonk ugha [kkyh tk, xh ,oa mlga fujLr ekuk tk, xkA fufonk fu/kkZjr l e; o frfFk ij [kyus ds l e; ij mi l Fkr jg l drs gã
- 12- vki firZ fd; s x; s mi dj.kka ds LFkfr gksus ,oa ijh{k.k ds mi jkUr l EcfU/kr izkkukpk; Z l s iklr l rksktud vk[; k dsckn gh Hkqerku fd; k tk, xkA

- 13- I l Fkxr Hk.Mkj ea dPpk eky ,oa l kt&l Ttk iklr gks ds mijklr ml dk fufj{k.k Hk.Mkj@Hk.Mkj i Hkkjh@fo"K; fo"KSkK@tkp I febr djsxA l kt&l Ttk ,oa dPpk eky l gh ik; s tkus ij gh Hkqrku fd; k tkuk l EHko gksxA
- 14- Hkqrku fd; s tkus okys dy /kujkf"K l s fu; ekuq kj vk; dj dh dVks h dh tk; sxhA dy vk; dj dh dVks h dk fooj.k Qke&16, ij fu; ekuq kj vki firZrkZ dks ckn ea miyC/k dj; k tk, xkA
- 15- QeZ }kjk l ayXu i i = ¼ "B l q; k&05½ ij bl vk"K; l s ?kSk.kk i Lrr djuh gksx fd i Lrkfor vki firZ djus dk QeZ dks i; kZr vuHko gS l kFk gh QeZ ; fn m0i0 ds ckgj dh gS rks dlnh; fc0h dj l q; k dk l UnHkZ Hkh ik#i ij of.kZr dja m0i0 0; kikj dj@fVu u0 dlnh; fc0h dj dk iat hdj.k i ek.k i = ,oa vk; dj ds i s u u0 dh Nk; ki fr l ayXu djuh gksxA
- 16- nks vFkok vf/kd vki firZrkZ dh nj l eku gksus ij v | kgLrk{kjh vi us foos dkuq kj fd l h Hkh vki firZrkZ dks 0; kns"K tkjh dj l dra gA , s ea dkbZ vfrfjDr i=kpkj Lohdk; Z ugha gksxA
- 17- viuh nj l ayXu l pph; ka ea vkbZ/eka ds l ki s k vadr dja , oa fd l h Hkh dfVx vk0j jkbVx ij gLrk{kj vadr dja
- 18- l eLr fufonk; a fu/kkZjr i i = ij Lohdkj dh tk; sxh fufonk, a dk; kZy; i Zkkukpk; Z jkt dh; vksj kSxd if"K{k.k l l Fkku] dkl xat l s iklr gksxA i klr dh vltre frfK fnukad 20-09-16 dks l e; vijkg 04 cts rd fu/kkZjr gS , oa fnukad 21-09-16 dks i kg 12 cts rd vfuo; Z #lk l s fufonk ckl l ea Mkyh tkuh gS ft l ds mijklr dkbZ Hkh fufonk Lohdkj ugha dh tk, xhA l eLr fufonk, a 0; l febr o bPNd fufonkdrkZ/ka ds l Ee[k fnukad 22-09-16 l k; a02 cts rd i Zkkukpk; Z dk; kZy; ea [kkyh tk, xhA
- 19- fd l h Hkh fufonk dk fcuk dkbZ Hkh dkj.k crk; s fujLr djus dk vf/kdkj v | kgLrk{kjh dks fufgr gksxA bl l Ecl/k ea dkbZ Hkh i=kpkj Lohdkj ugha gksxA
- 20- l eLr fookna dk U; k; {k= ekuuh; U; k; ky; dkl xat ea gksxA
- 21- fi Nys rhu o"kk dh cSyd l hv l h0,0 }kjk i ekf.kr ifr@fjVuz i R; d o"Kz ea , d djkm+dk l kykuk VuZ vk0j rduhdh fcM ea l ayXu djuk vfuo; Z gA

i Zkkukpk; Z@ukMy vf/kdkjh  
 jkt dh; vksj kSxd if"K{k.k l l Fkku]  
 dkl xat

vki firz drkz }kjk i Lrqr ?kksk.kk i = ¼100@& dsLVKEi ij½

e0 eš l z -----  
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vf/kdr ifrfuf/k g rFkk viuh QeZl sl EcfU/kr fuEu forj.k i Lrqr ea l R; kfir djrk g

- 1- l yXu fufonk ea tks vkbVe@l kexh ejs }kjk vki firz dh tkuh i Lrkrfor gSdh vki firz djus dk e s lk; klr vuttko gSo esbl vki firz dk; Lea n{k o vuttkoh g
- 2- fufonk dh l eLr "kr@ifrcU/k ejs }kjk vPNh rjg l si <+fy, x; sgSrFkk l e> fy; sx; sg ; g e s Lohdkj g
- 3- egh QeZ vk; dj foHkkx ea i at h d r g SrFkk bl dk i at h dj .k l ; k@l UnHkZ fuEuor g & ¼d½ mOid fVu l ; k ----- ¼[½ cid dk uke] vkbD, QO, l OI hO d k M , oa [kkrk l ; k ----- ¼x½ i s u o -----
- 4- eS l R; kfir djrk g wfd egh QeZ dks fdl h Hkh 'kk l dh; foHkkx }kjk fufonk dk; l vFkok "kk l dh; dk; Lea vki firz ds dk; l ds fy, Cyd fyLVM ugha fd; k g
- 5- fufonk i i = eanh x; h l eLr "kr@ifrcU/k@fu.kz vkfn e s Lohdkj g SrFkk ejs l Kku ea fy; k x; k gSfd fdl h Hkh fookn dk U; k; {ks= dkl xat gkskA

gLrk{kj  
QeZ dh LV&i

**CHECK LIST-**

- |   |        |
|---|--------|
| 1- Have you purchase the tender documents.<br>(A photocopy of the receipt may be attached.)               | Yes/No |
| 2- Have you submitted the tender security as prescribed tender documents.                                 | Yes/No |
| 3- Have you included all charges payable to you in your tender and the rates are given by you F.O.R site. | Yes/No |
| 4- Have you inclosed your PAN certificate of income tax deptt.  | Yes/No |
| 5- Have you quoted the delivery period correctly.   | Yes/No |
| 6- Have you offered 180 days validity for the offer from the date of tender opening.                      | Yes/No |
| 7- Have you agreed with all the terms and conditions of the documents if not mentioned clearly.           | Yes/No |
| 8- Have you enclosed U.P.S.T../C.S.T./TIN No. registration certificate.                                   | Yes/No |
| 9- Have you enclosed 10 year experiences certificate of supply.   | Yes/No |

SIGNATURE AND SEAL OF THE  
MANUFACTURES/TENDERER

**Raw Meterial List -**

1	Acid bottle (Toilet)	per bottle	
2	Araldite tube	per tube	
3	Broom stick	per kg	
4	Milton Chalk	per box	
5	Naphthalene ball	per kg	
6	Needle Hand	per pkt	
7	Odonil	per pkt	
8	Old dhoti full size length	01 no each	
9	Paint different colors	per ltr.	
10	Paper Basket	01 no each	
11	Milton Chalk	per box	
12	Naphthalene ball	per kg	
13	Needle Hand	per pkt	
14	Odonil	per pkt	
15	Old dhoti full size length	01 no each	
16	Paint different colors	per ltr.	
17	Paper Basket	01 no each	
18	Printed Rubbia Different color	per mtr.	
19	Toilet brush	01 no each	
20	Tube color	per pkt.	
21	Umbrella full size	01 no each	
22	White paint	per ltr.	
23	Nideel swing machine 18 no	01 no each	
24	Machine oil	01 no each	
25	Thred	01 no each	
26	Cital & bovin	01 no each	

1	M.C.B Box for 4 ISI mark	01No Each	
2	M.C.B. Box for 3 ISI mark	01No Each	
3	M.C.B. Box for 6 ISI mark	01No Each	
4	Cassing Capping nail or clip	per pkt.	
5	Holder Batten 5 A 230v	01No Each	
6	Link Al. clip size 35 mm,	01No Each	
7	Link Al. clip size 60mm	01No Each	
8	Link Brass clip size 35 mm,	01No Each	
9	Link Brass clip size 60mm	01No Each	
10	Link G.I. clip size 35 mm,	01No Each	
11	Link G.I. clip size 60mm	01No Each	
12	Link Al. clip size 12 mm, 20 mm	01No Each	
13	Link Brass clip size 12 mm, 20 mm	01No Each	
14	Link G.I. clip size 12 mm, 20 mm	01No Each	
15	M.C.B Box for 2 ISI mark	01No Each	
16	M.C.B. Box for 5 ISI mark	01No Each	
17	M.S. Nails ½', ¾", & 1" long	per mtr.	
18	PVC Flexible Pipe 3/4", 1"	per mtr.	
19	PVC Saddle nail type different size	01 no. each	
20	Thread	01No Each	
21	Armoured Aluminium underground cable 4 core 25 mm	per mtr.	
22	Belt fastener different no.	01No Each	
23	Bitmin compound	01No Each	
24	Bucket 20 liter with cover	01No Each	
25	Capacitor 2.5 mfd 240 V	01No Each	
26	Capacitor 3.15 mfd 240 V	01No Each	



27	Capacitor 4 mfd 240 V	01No Each	
28	Carbon brush (Electric hand drill machine)	01No Each	
29	Carbon brush holder (Electric hand drill machine)	01No Each	
30	Carbon brush spring (Electric hand drill machine)	01No Each	
31	Ceiling rose 5 A 230 v	01No Each	
32	Cell D size 1.5 v dry	01No Each	
33	CFL 15 w ISI mark	01No Each	
34	CFL 80 w, ISI mark	01No Each	
35	CFL 23 w, ISI mark	01No Each	
36	CFL 20 w ISI mark	01No Each	
37	Change over Switch 32A,440V ISI mark	01No Each	
38	Choke 20/40 w 230v copper For F. tube	01No Each	
39	Choke for Sodium vapor lamp 250 w, 230v	01No Each	
40	Colored bulb 15 w, 230v	01No Each	
41	Condenser 2.5 mfd. 250 V	01No Each	
42	Condenser 3.15 mfd. For sodium lamp	01No Each	
43	Condenser 4 mfd. 250 V	01No Each	
44	Copper Earthing Plate 12 x 12" with nut bolt	Per Kg	
45	Copper wire 8 SWG	Per Kg	
46	Cotton tape 1"	01No Each	
47	Cotton tape ¾"	01No Each	
48	DPIC With N link main switch 30 Amp, 440v	01No Each	
49	Drill bit	01No Each	
50	Dustbin Plastic Big size with cover	01No Each	
51	Dustbin Plastic small size with cover	01No Each	
52	Duster cloth	01No Each	
53	Electric Bulb 15w, 230v ISI mark	01No Each	
54	Electric bell Electronic Remot type	01No Each	

55	Electric bell gouge type ISI mark	01No Each	
56	Electric bell switch 5 A 250 V	01No Each	
57	Electric bulb 100 w ISI mark	01No Each	
58	Electric bulb 200 w ISI mark	01No Each	
59	Electric buzzer	01No Each	
60	Electric Lamp 500 W	01No Each	
61	Electric miniture Bulb ISI mark	01No Each	
62	Film sheet 7,10 no.	01No Each	
63	Flaxible wire 14/76 ISI mark	01No Each	
64	Flexible wire 23/76 SWG	Each Coil	
65	Flexible wire 40/76 SWG	Each Coil	
66	Florescent tube base with holder 20/40 w	01No Each	
67	Fluorescent tube 20/40 w ISI	01No Each	
68	Fluorescent tube starter 40 w	01No Each	
69	Fuse type kit Kat 16 A flush type	01No Each	
70	Fuse type kit Kat 16 A porcilien	01No Each	
71	G .I. Pipe "T" 1" & ¾"	01No Each	
72	G. I. Pipe band 1" & ¾"	01No Each	
73	G. I. Pipe conia 1" & ¾"	01No Each	
74	G. I. Pipe 1" & 3/4"	01No Each	
75	G. I. Pipe Junction box Diff way 1" & ¾"	01No Each	
76	G. I. Pipe saddle ¾" & 1"	01No Each	
77	G.I . Pipe reducer 1" & ¾"	01No Each	
78	G.I. Pipe elbow 1" & ¾"	01No Each	
79	G.I. wire 08 SWG	per kg	
80	G.I. wire 10 SWG	per kg	
81	G.I. wire 16 SWG	Per Kg	
82	Gamaxine powder	Per Kg	

83	Glass cloth 7 no.	01No Each	
84	Glass Sleeve 10mm	01No Each	
85	Glass Sleeve 1mm	01No Each	
86	Glass Sleeve 2mm	01No Each	
87	Glass Sleeve 4mm	01No Each	
88	Glass Sleeve 6mm	01No Each	
89	Glass Sleeve 8mm	01No Each	
90	Hammer handle wooden	01 no. each	
91	Holder Angle 5 A	01No Each	
92	Holder Brass 5A	01No Each	
93	Holder for 500 w bulbs Thred type	01 no. each	
94	Holder Pendent 5A	01No Each	
95	Hook up wire	per mtr.	
96	I.C.D.P. 16 A main switch	01No Each	
97	I.C.D.P. 32 A main switch	01No Each	
98	I.C.D.P. 63 A main switch	01No Each	
99	ICTP switch 16 A ISI mark	01No Each	
100	ICTP switch 32 A ISI mark	01No Each	
101	Igniter for sodium lamp	01No Each	
102	Indicator 5 Amp	01No Each	
103	Indicator lamp small	01No Each	
104	Insulating vanish (Dr. Brand)	01No Each	
105	Kit Kat 100 A Porcilien	01No Each	
106	Kit Kat Fuse 200 Amp Porcilien	01No Each	
107	Lathi full size	01No Each	
108	Lathrised paper	01No Each	
109	Lug 2mm Al	Per Pkt	
110	Lug 2mm Cu	Per Pkt	

111	Lug 10mm Al	Per Pkt	
112	Lug 10mm Cu	Per Pkt	
113	Lug 1mm Al	Per Pkt	
114	Lug 1mm Cu	Per Pkt	
115	Lug 4mm Al	Per Pkt	
116	Lug 4mm Cu	Per Pkt	
117	Lug 6mm Al	Per Pkt	
118	Lug 6mm Cu	Per Pkt	
119	Lug 8mm Al	Per Pkt	
120	Lug 8mm Cu	Per Pkt	
121	M.C.B.16 A 2 pole ISI mark	01No Each	
122	M.C.B.16 A 3 pole ISI mark	01No Each	
123	M.C.B.16 A 4 pole ISI mark	01No Each	
124	M.C.B.32 A 2 pole ISI mark	01No Each	
125	M.C.B.32 A 3 pole ISI mark	01No Each	
126	M.C.B.32 A 4 pole ISI mark	01No Each	
127	M.C.B.5 A 1 pole ISI mark	01No Each	
128	M.C.B.5 A 2 pole ISI mark	01No Each	
129	M.C.B.5 A 3 pole ISI mark	01No Each	
130	M.C.B.63 A 2 pole ISI mark	01No Each	
131	M.C.B.63 A 3 pole ISI mark	01No Each	
132	M.C.B.63 A 4 pole ISI mark	01No Each	
133	Nichrome wire 20/22 SWG	per kg	
134	Pencil cell 1.5 V	01No Each	
135	Pendant holder 5 A	01No Each	
136	Pigment different colors	01No Each	
137	Porcillen Insulator Disk type 11000V	01No Each	
138	Porcillen Insulator disk type 33000V	01No Each	

139	Porcillen Insulator Pin type 1000V	01No Each	
140	Porcillen Insulator Pin type 11000V	01No Each	
141	Porcillen Insulator Roller type 1000V	01No Each	
142	PVC Pipe J. box ¾", 1" different way	01No Each	
143	PVC Aluminum wire 4 core 10 mm <sup>2</sup>	per coil	
144	PVC Casing capping 30x15mm Lenth	01No Each	
145	PVC Casing capping "T" 30x15mm Lenth	01No Each	
146	PVC Casing capping Elbo 30x15mm Lenth	01No Each	
147	PVC Clip gitti different size	per pkt.	
148	PVC conduit pipe 1"	per lenth	
149	PVC conduit pipe ¾"	per lenth	
150	PVC copper Multi strain wire 1.5 mm	per coil	
151	PVC copper wire 3/20 SWG ISI mark	per coil	
152	PVC copper wire 3/22 SWG ISI mark	per coil	
153	PVC copper wire 7/16 SWG ISI mark	per coil	
154	PVC copper wire 7/20 SWG ISI mark	per coil	
155	PVC copper wire Multi strain 2.5 mm ISI mark	per coil	
156	PVC copper wire Multi strain 4 mm ISI mark	per coil	
157	PVC copper wire Multi strain 8 mm ISI mark	per coil	
158	PVC Gully 10 no.	per pkt.	
159	PVC Pipe ¾" & 1"	01No Each	
160	PVC Pipe bend, ¾", 1"	01No Each	
161	PVC Pipe elbow ¾", 1"	01No Each	
162	PVC Pipe Saddle ¾" & 1"	01No Each	
163	PVC rawal plug or plastic gitty	per pkt	
164	PVC tape steel grip ISI mark	01 no. each	
165	PVC two core cable 10 mm aluminum ISI mark	per coil	
166	Rubber hose pipe red & black for welding ISI mark	per mtr.	

167	S.E. wire 12, 14 SWG	per kg	
168	S.E. wire 15, 16 SWG	per kg	
169	S.E. wire 18, 17 SWG	per kg	
170	S.E. wire 19, 20 SWG	per kg	
171	S.E. wire 21, 22 SWG	per kg	
172	S.E. wire 26, 24 SWG	per kg	
173	S.E. wire 30, 28 SWG	per kg	
174	S.E. wire 31, 32 SWG	per kg	
175	S.E. wire 33, 34 SWG	per kg	
176	S.E. wire 35, 36 SWG	per kg	
177	Selector Switch For Washing Machine	01 no. each	
178	Shield wire	per coil	
179	Socket 2 pin 5A,230v F/T	01No Each	
180	Socket 2 pin 5A,230v F/T ISI mark	01No Each	
181	Socket 3 pin 15A,230v F/T ISI mark	01No Each	
182	Socket 3 pin 5A,230v F/T ISI mark	01No Each	
183	socket Three pin 15A,230V Bkt	01No Each	
184	socket Three pin 5A,230V Bkt	01No Each	
185	socket Two pin 5A,230V Bkt	01No Each	
186	Sodium vapor lamp 250 w ISI	01No Each	
187	Soft solder	01No Each	
188	Solder flux/Ar 7/Alka P	01No Each	
189	Steel Hook	per pkt	
190	Steel screw 12mm	per pkt	
191	Steel screw 20mm	per pkt	
192	Steel screw 25mm	per pkt	
193	Steel screw 30mm, 35mm	per pkt	
194	Steel screw 45,50,60mm	per pkt	

195	Street Light complete fitting with C.F.L. 80 W	01No Each	
196	sunmica sheet 10" x 8"	01No Each	
197	sunmica sheet 12" x 10"	01No Each	
198	sunmica sheet 6" x 4"	01No Each	
199	Switch Bed 5A, 230v	01No Each	
200	Switch Intermediate 5A, 230v	01No Each	
201	Switch one way 15A,230V BKT	01No Each	
202	Switch one way 15A,230V F/T	01No Each	
203	Switch one way 5A,230V BKT	01No Each	
204	Switch one way 5A,230V F/T	01No Each	
205	Switch socket combined 16 A with indicator	01No Each	
206	Switch socket combined 5A with indicator	01No Each	
207	Switch Two way 15A,230V BKT	01No Each	
208	Switch two way 15A,230V F/T	01No Each	
209	Switch Two way 5A,230V BKT	01No Each	
210	Switch Two way 5A,230V F/T	01No Each	
211	Timer for washing machine	01No Each	
212	Top Three pin 16 A 230v ISI mark	01No Each	
213	Top Two pin 5A, 230V ISI mark	01No Each	
214	Two Core Cable 6 mm ISI mark	per coil	
215	Water color	01No Each	
216	Web brush with long stick	01No Each	
217	Wooden batten ¾"	01No Each	
218	Wooden batten 1"	01No Each	
219	Wooden batten ½"	01No Each	
220	Wooden board 10" x 8"	01No Each	
221	Wooden board 12" x 10"	01No Each	
222	Wooden board 4" x 4"	01No Each	

223	Wooden board 6" x 4"	01No Each	
224	Wooden board 7" x 4"	01No Each	
225	Wooden gitty 1"	01No Each	
226	Wooden primer	01No Each	
227	Wooden round block 4"	01No Each	



## Electronics

1	Audio amp. Kit using ic TBA810	1no each	
2	Audio amp.kit using ICs $\mu$ pc4440	1no each	
3	Audio amplifier plate with complete IC 4440	1no each	
4	Antenna 13 Rod	1no each	
5	BA 159	1no each	
6	Band switch (slide & rotary type )	1no each	
7	Bass and treble stereo kit	1no each	
8	BT B3202	1no each	
9	BT SC141D	1no each	
10	BT136	1no each	
11	BT136	1no each	
12	C.F.L.20 watt	1no each	
13	Cabinet portable for c/TV 36 cm	1no each	
14	Capacitor (10,50pf, 100pf, 1000pf, 3k3,2200pf, 4700pf, 0.1, 0.2, .01, .02, .04,mf ) 50 volt	1no each	
15	Capacitor 80/ 100 mfd 440V	1no each	
16	Carbon resistance 2 watt diff. values	1no each	
17	Carbon resistance 1 watt diff. values	1no each	
18	Carbon resistance 1/2watt different values	1no each	
19	Carbon resistance 1/4watt different values	1no each	
20	CD4042,556,	1no each	
21	CD4073	1no each	
22	Cell Big 1.5 V water proof	1no each	
23	Ceramic capacitor 25V, .01 pf	1no each	
24	Ceramic capacitor 25V, .02PF	1no each	

25	Ceramic capacitor 25V, .03PF	1no each	
26	Ceramic capacitor 25V, .04 PF	1no each	
27	Ceramic capacitor 25V, 0.1 mfd	1no each	
28	Ceramic capacitor 25V, 120PF	1no each	
29	Ceramic capacitor 25V, 330 PF	1no each	
30	Ceramic capacitor 25V, 56 PF	1no each	
31	Ceramic capacitor 25V,82 PF	1no each	
32	Coil pairs 3band for chasis	1no each	
33	Colored wire strip	1no each	
34	CRT 36 cm ISI	1no each	
35	CRYSTAL	1no each	
36	DIAC B3202, DB-3/equivalent	1no each	
37	Digital logic I.C. LS 500,	1no each	
38	Digital logic I.C. LS 72555	1no each	
39	Digital logic I.C. LS 7400	1no each	
40	Digital logic I.C. LS 7402	1no each	
41	Digital logic I.C. LS 7404	1no each	
42	Digital logic I.C. LS 7408	1no each	
43	Digital logic I.C. LS 7410	1no each	
44	Digital logic I.C. LS 74151	1no each	
45	Digital logic I.C. LS 74155	1no each	
46	Digital logic I.C. LS 74157	1no each	
47	Digital logic I.C. LS 74161	1no each	
48	Digital logic I.C. LS 74189	1no each	
49	Digital logic I.C. LS 74194	1no each	
50	Digital logic I.C. LS 7420	1no each	

51	Digital logic I.C. LS 7432	1no each	
52	Digital logic I.C. LS 7447	1no each	
53	Digital logic I.C. LS 7474	1no each	
54	Digital logic I.C. LS 7476	1no each	
55	Digital logic I.C. LS 7483	1no each	
56	Digital logic I.C. LS 7486	1no each	
57	Digital logic I.C. LS 7490	1no each	
58	Digital logic I.C. LS 7493	1no each	
59	Digital logic I.C. LS 7495	1no each	
60	Digital logic I.C. LS 7730	1no each	
61	Digital logic I.C. LS CD4002B	1no each	
62	Digital logic I.C. LS FND507	1no each	
63	Digital logic I.C. LS74195	1no each	
64	Diode OA 79	1no each	
65	Diode IN 5408	1no each	
66	Diode IN4148	1no each	
67	Diode IN 4001-8	1no each	
68	Diode 6A4	1no each	
69	Diode IN 4007	1no each	
70	Dish cable	1no each	
71	Driver transformer	1no each	
72	Drum, spindle, ferrite	1no each	
73	Dual volume control diff. values	1no each	
74	E.H.T. 36cm&51cm colour T.V	1no each	
75	E.H.T. 36cm&51cm b/w	1no each	
76	Electrolyte capacitor /1 mfd 50V	1no each	

77	Electrolyte capacitor 10 mfd 25 volt	1no each	
78	Electrolyte capacitor 10 mfd 25V	1no each	
79	Electrolyte capacitor 100 mfd 25 volt	1no each	
80	Electrolyte capacitor 220 mfd 25 volt	1no each	
81	Electrolyte capacitor 220 mfd 25 V	1no each	
82	Electrolyte capacitor 3.3 mfd 25V	1no each	
83	Electrolyte capacitor 4.7 mfd 25 volt	1no each	
84	Electrolyte capacitor 470 mfd 50V	1no each	
85	Electrolyte capacitor 470 mfd 25 volt	1no each	
86	Electrolyte capacitor 4700 mfd 25 volt	1no each	
87	Electrolyte capacitor 1000 mfd 25 volt	1no each	
88	Electrolytic condenser 25 volt	1no each	
89	Electrolytic condenser diff.capacity 10 volt(4.7mf,10,22,47,100,220,470,1000 )	1no each	
90	Electrolytic condenser 1, 2.2, 4.7, 100mf 400 volt	1no each	
91	Electrolytic condenser 2200,4700mf 35 volt	1no each	
92	F.M. Plate complete	1no each	
93	Ferrite rode	1no each	
94	Fevibond	1no each	
95	Gang adaptor	1no each	
96	Gang capacitor 2x	1no each	
97	Gang capacitor 2x, & 2J	1no each	
98	General purpose PCB 4x6"	1no each	
99	I.F.T(pairs )	1no each	
100	IC ADC0809	1no each	
101	IC $\mu$ PC1366, $\mu$ PC1031, 1353	1no each	

102	IC 24C04, IC ZN414	1no each	
103	IC 4N35	1no each	
104	IC 555	1no each	
105	IC 74LS138	1no each	
106	IC 74LS151	1no each	
107	IC KA3524	1no each	
108	IC LA7805	1no each	
109	IC LA7809	1no each	
110	IC LA7812	1no each	
111	IC LA7905	1no each	
112	IC LA7909	1no each	
113	IC LA7912	1no each	
114	IC LM 741	1no each	
115	IC LM324.317	1no each	
116	IC LM324.339,317	1no each	
117	IC SN74LS112	1no each	
118	IC TA $\mu$ PC1230	1no each	
119	IC TA 7680,	1no each	
120	IC TA 7698P	1no each	
121	IC TA MB23A9950F	1no each	
122	IC TBA TBA120s ,	1no each	
123	IC TBA810,	1no each	
124	IC TBALA1185	1no each	
125	IC TBALA3161,	1no each	
126	IC TDA 2611A	1no each	
127	IC74147 Encoder,	1no each	

128	IC7447 decoder	1no each	
129	ICs MM5369	1no each	
130	ICs MM5387	1no each	
131	ICs MM5402	1no each	
132	L Plate	1no each	
133	L.D.R diff. values	1no each	
134	L.E.D diff. colour&shape and dual / triple built,red,orange,green,yellow,white and blue colour	1no each	
135	L.E.D. Torch with 3 cell	1no each	
136	Litz wire	1no each	
137	MB23A9950F	1no each	
138	Mono and stereo play head/erase head	1no each	
139	MOSFET- 1RFZ44N	1no each	
140	MOSFET- BFW10	1no each	
141	MOSFET- PN4393	1no each	
142	Motors tape and stereo 6v ,12v , ccw&rcw	1no each	
143	Multi colour ribbon wire 10core	1no each	
144	OA 79/ IN 34	1no each	
145	P.C.B. IC 324 Blank	1no each	
146	Photo diode diff. values/IR LED, REMOTEEYE(sensor T.V.)	1no each	
147	Photo transistor diff.value	1no each	
148	Preset big size different values	1no each	
149	Preset small size different values	1no each	
150	PTC/NTC (thermister) diff.value	1no each	
151	Push type and toggle type microswitch fittable on multipurpose PCB.	1no each	

152	PVC Gang Box 2,4,6&8 no	1no each	
153	Radio cabinet with iron chesis	1no each	
154	RAM 61264	1no each	
155	Remote Eye	1no each	
156	Resistance $\frac{1}{4}$ watts different values	1no each	
157	S.M.P.S. transformer for colour t.v. 120 volt,12volt d.c.	1no each	
158	SCR C106Y1	1no each	
159	SCR NTE5452	1no each	
160	SCR 6004	1no each	
161	SCR IRG4B20	1no each	
162	SCR STR5412	1no each	
163	SCR TYN612	1no each	
164	Sleeve pvc 2mm	1no each	
165	Solder wire Bharti/Guru ISI 80:20	1no each	
166	Soldering iron element 15w	1no each	
167	Soldering iron element 35w	1no each	
168	Soldering iron element 10w	1no each	
169	Soldering Iron element 25 watt	1no each	
170	Soldering paste	1no each	
171	Speaker 4inch	1no each	
172	Speaker woofer and tutor SIZE 8 inch,6inch.	1no each	
173	Stabilizer transformer 500 VA	1no each	
174	Tape and stereo mechanism	1no each	
175	Tape and stereo recorder cabinet	1no each	
176	Tape motor 12V	1no each	

177	Thread for transistor	1no each	
178	TIC206D	1no each	
179	TIC225D	1no each	
180	Tin wire 20 swg	1no each	
181	Tone control 10 k ohms	1no each	
182	Tone control 100 k ohms	1no each	
183	Tone control log1k,5k,22k,47k,100k,250k	1no each	
184	Torch with 3 cell Eveready	1no each	
185	Tr. C2222A	1no each	
186	TR. 2N2369	1no each	
187	TR. 2N2446	1no each	
188	TR. 2N3055	1no each	
189	TR. 2N5296	1no each	
190	TR. 2N6027	1no each	
191	TR. 2N6107	1no each	
192	TR. AD149	1no each	
193	Tr. BEL BC177	1no each	
194	Tr. BU 508A	1no each	
195	Tr. BU505	1no each	
196	Tr. BU508D	1no each	
197	Tr. C2229	1no each	
198	Tr. CTC1351	1no each	
199	Tr. ST1802HI	1no each	
200	Tr. ST1803DA	1no each	
201	Tr.C2482	1no each	
202	Tr.C368	1no each	



203	Tr.C369	1no each	
204	Tr.C393	1no each	
205	Transformer 0-18 V 3Amp	1no each	
206	Transformer 12-0-12 V 1Amp	1no each	
207	Transformer 12-0-12 V 5 Amp	1no each	
208	Transformer 1.5 to 12 V	1no each	
209	Transformer 1.5v to 12v taping 1 Amp	1no each	
210	Transformer 12-0-12V	1no each	
211	Transformer 6-0-6 v 500 mA	1no each	
212	Transformer 6-0-6V	1no each	
213	Transformer 9-0-9 v 750mA	1no each	
214	Transformer 9-0-9V	1no each	
215	Transistor SL 100	1no each	
216	Transistor /BU 205	1no each	
217	Transistor AC 368	1no each	
218	Transistor AC369	1no each	
219	Transistor BC 1061	1no each	
220	Transistor BC 147	1no each	
221	Transistor BC 148	1no each	
222	Transistor BC 158	1no each	
223	Transistor BC 188	1no each	
224	Transistor BC 188	1no each	
225	Transistor BC 195	1no each	
226	Transistor BC 547	1no each	
227	Transistor BC 548	1no each	
228	Transistor BC 557	1no each	

229	Transistor BC194	1no each	
230	Transistor BC558	1no each	
231	Transistor BD 115	1no each	
232	Transistor BF 194, 195	1no each	
233	Transistor BF 494	1no each	
234	Transistor BF 495	1no each	
235	Transistor BU 508 AF Black & 508 D	1no each	
236	TransistorAC 128	1no each	
237	TransistorAC 188	1no each	
238	Transistor A1015	1no each	
239	Transistor C 1815	1no each	
240	Transistor D 13001	1no each	
241	Transistor D13003	1no each	
242	Transistor D13005	1no each	
243	TR. 2SD1427	1no each	
244	TR. S 8550	1no each	
245	TR. S 8050	1no each	
246	Tr.BC177	1no each	
247	Tr.BC549C	1no each	
248	Tr.BC550C,	1no each	
249	Tr.BU407	1no each	
250	Wire wound resistance10 watt diff. values	1no each	
251	Zener diode 12V	1no each	
252	Zener diode 6V	1no each	
253	Zener diode 9V	1no each	
254	Zener diode 110v ( R2M) 1w	1no each	

255	Zener diode diff.values .5w,1.5volt to 24 volt	1no each	
256	Dish antena complete with LNB arsserise	1no each	
257	USB with amplifire	1no each	
258	Mobil cabinate	1no each	
259	Mobil display	1no each	
260	Mobil Key pad	1no each	
261	Mobil speakar	1no each	
262	Mobil camra	1no each	
263	Mobil battary	1no each	
264	Mobil complite asesrirs	1no each	
265	processor duel core 2nd generation	1no each	
266	mother board g 61 digital	1no each	
267	RAM DDR 3rd generation 2GB	1no each	
268	Hard disk drive WD 500GB	1no each	
269	CD-RW/COMBO/DVD-RW LG	1no each	
270	Monitor /TFT 19.5"	1no each	
271	cabinate for computer	1no each	
272	UPS 800VA	1no each	
273	TV Tuner for computer	1no each	
274	PCI Card for computer	1no each	
275	Mouse	1no each	
276	Key board	1no each	
277	Solor panal 3x4'	1no each	
278	Solor panal 6x410"	1no each	
279	Battery 12V 160AH	1no each	
280	Invertor 600VA	1no each	

<b>281</b>	<b>Mixer grinder</b>	<b>1no each</b>	
<b>282</b>	<b>Power cable for computer</b>	<b>1no each</b>	
<b>283</b>	<b>VGA cable</b>	<b>1no each</b>	
<b>284</b>	<b>SMPS for computer</b>	<b>1no each</b>	
<b>285</b>	<b>Antena wire</b>	<b>1no each</b>	

### Electrician, Wireman, Electroplater, Lift & Escalator Mech.

S. No.	Name of the items	Quantity	Rate Per Unit
1	Steel Tape, 15 m length	17+17	
2	Plier Insulated, 150 mm	17+17	
3	Plier Side Cutting, 150 mm	17+17	
4	Screw Driver, 100 mm	17+17	
5	Screw Driver, 150 mm	17+17	
6	Electrician Connector, screw driver insulated handle thin stem, 100 mm	17+17	
7	Heavy Duty Screw Driver , 200 mm	17+17	
8	Electrician Screw Driver thin stem insulated handle, 250 mm	17+17	
9	Punch Centre , 150 mm X 9 mm	17+17	
10	Knife Double Bladed Electrician	17+17	
11	Neon Tester	17+17	
12	Steel Rule 300 mm	17+17	
13	Hammer, cross with handle	17+17	
14	Hammer, ball peen With handle	17+17	
15	Gimlet 6 mm.	17+17	
16	Bradawl	17+17	
17	Scriber (Knurled centre position )	17+17	
18	Pincer 150 mm	17+17	
19	C- Clamp 200 mm, 150 mm and 100 mm	2 no each	
20	Spanner Adjustable 150 mm,300mm Make Any reputed/ISI/ISO Certified Co	2 no each	
21	Blow lamp 0.5 ltr made of brass metal Make Any reputed/ISI/ISO Certified Co	1	
22	Melting Pot Make Any reputed/ISI/ISO Certified Co	1	
23	Ladel std quality	1	
24	Chisel Cold Firmer 25 mm X 200 mm	2	
25	Chisel 25 mm and X 6 mm Forged, induction hardened high carbon steel make any reputed co./ISO certified co	2 no each	
26	Hand Drill Machine Make Any reputed/ISI/ISO Certified Co	1	
27	Portable Electric Drill Machine 6 mm capacity Black & Decker/Powertek	1	
28	Pillar Electric Drill Machine 12 mm capacity Everest/Powercon	1	
29	Allen Key Make Any reputed/ISI/ISO Certified Co	1 set	
30	Oil Can 0.12 ltr Make Any reputed/ISI/ISO Certified Co	1	
31	Grease Gun Make Any reputed/ISI/ISO Certified Co	1 no	
32	Out Side Micrometer 0-25mm Make Any reputed/ISI/ISO Certified Co	2	
33	Motorised Bench Grinder 200mm heavy duty Make Any reputed/ISI/ISO Certified Co	1	
34	Rawl Plug tool and bit Make Any reputed/ISI/ISO Certified Co	2 set	

35	Pully Puller	2	
36	Bearing Puller	2	
37	Pipe vice 100mm	4	
38	Thermometer 0 to 100 deg Centigrade	1	
39	Scissors blade 150 mm Make Any reputed/ISI/ISO Certified Co	4	
40	Crimping Tool Make Any reputed/ISI/ISO Certified Co	2 sets	
41	Wire stripper 20 cm Make Any reputed/ISI/ISO Certified Co	2 no	
42	Chisel Cold flat 12 mm Make Any reputed/ISI/ISO Certified Co	2 no	
43	Mallet hard wood 0.50 kg Make Any reputed/ISI/ISO Certified Co	4 no	
44	Hammer Extractor type 0.40 kg Make Any reputed/ISI/ISO Certified Co	4 no	
45	Hacksaw frame 200 mm 300 mm adjustable Make Any reputed/ISI/ISO Certified Co	2 no each	
46	Try Square 150 mm blade Make Any reputed/ISI/ISO Certified Co	4	
47	Outside and Inside Divider Calliper Make Any reputed/ISI/ISO Certified Co	2	
48	Pliers flat nose 150 mm Make Any reputed/ISI/ISO Certified Co	4	
49	Pliers round nose 100 mm	4	
50	Tweezers 100 mm	21	
51	Snip Straight and Bent 150 mm	2	
52	D.E. metric Spanner	2	
53	Drill hand brace	4	
54	Drill S.S. Twist block 2 mm, 5 mm 6 mm set of 3	4 set	
55	Plane, smoothing cutters 50 mm	2 no each	
56	Gauge, wire imperial	2	
57	File flat 200 mm 2nd cut Made of high carbon steel Chisel with handle	8	
58	File half round 200 mm 2nd cut Made of high carbon steel Chisel with handle	4	
59	File round 200 mm 2nd cut Made of high carbon steel Chisel with handle	4	
60	File flat 150 mm rough Made of high carbon steel Chisel with handle	4	
61	File flat 250 mm bastard Made of high carbon steel Chisel with handle	4	
62	File flat 250 mm smooth Made of high carbon steel Chisel with handle	4	
63	File Rasp, half round 200 mm bastard Made of high carbon steel Chisel with handle	4	
64	Soldering Iron 25 watt, 65 watt, 125 watt Toni make	2 no each	
65	Copper bit soldering iron 0.25 kg. Make Any reputed/ISI/ISO Certified Co	2	
66	Desoldering Gun Make Any reputed/ISI/ISO Certified Co	4	
67	Hand Vice 50 mm jaw Make Any reputed/ISI/ISO Certified Co	4	
68	Table Vice 100 mm jaw	8	

69	Pipe Cutter to cut pipes upto 5 cm. dia Make Any reputed/ISI/ISO Certified Co	4	
70	Pipe Cutter to cut pipes above 5 cm dia	2	
71	Stock and Die set for 20 mm to 50 mm G.I. pipe Make Any reputed/ISI/ISO Certified Co	1 set	
72	Stock and Dies conduit Make Any reputed/ISI/ISO Certified Co	1	
73	Ohm Meter; Series Type & Shunt Type Make Any reputed/ISI/ISO Certified Co	2 no each	
74	Multi Meter (analog) 0 to 1000 MOhms, 2.5 to 500 V SANWA/Mastech	2	
75	Digital Multi Meter	6	
76	A.C. Voltmeter M.I. 0 –500V A.C	1	
77	Milli Voltmeter centre zero 100 – 0 – 100 m volt	1	
78	D.C. Milli ammeter 0 -500m A	1	
79	Ammeter MC 0-5 A, 0- 25 A	1 no each	
80	A.C. Ammeter M.I. 0-5A, 0-25 A	1 no each	
81	Kilo Wattmeter 0-1-3 kw	1	
82	A.C. Energy Meter, Single phase 5 amp. Three Phase 15 amp	1 no each	
83	Power Factor Meter P	1	
84	Frequency Meter	1	
85	Flux meter	1	
86	Wheat Stone Bridge with galvanometer and battery	1	
87	Laboratory Type Induction Coil	1	
88	DC Power Supply 0-30V, 2 amp	1	
89	Rheostat	1	
	0 -1 Ohm, 5 Amp	1 no	
	0 -10 Ohm, 5 Amp	1 no	
	0 -25 Ohm, 1 Amp	1 no	
90	0 -300 Ohm, 1 Amp	1 no	
	1 Phase Variable Auto Transformer	1	
	Battery Charger	1	
	Hydrometer	5	
	Miniature Breaker 16 amp ( Raw Material)	1	
91	Working Bench 2.5 m x 1.20 m x 0.75 m	4	
	Fire Extinguisher CO2, 2 KG	2	
	Fire Buckets with stand having 4 bucket.	2	
	Instructors table	3	
	Instructors chair	5	
92	Metal rack 100x150x45cm	4	
	Lockers with 16 drawers standard size	2	
	Almirah 2.5m x 1.20 m x 0.5m	1	
	Black board / white board	1	
	Tachometer	1	

	Current Transformer 415 Volt,50 Hz, CT Ratio 150 / 5 Amp, 5VA	1	
93	Potential Transformer 415 Volt,50Hz, PT Ratio 11KV/ 110V, 10VA	1	
	Growler	3	
	Tong Tester / Clamp Meter 0 – 100 amp. AC	1	
	Megger 500 volts	1	
	Contactors & auxiliary contacts 3 phase, 440volt, 16amp (Raw Material)	1	
94	Contactors & auxiliary contacts 3 phase, 440 volt, 32 amp. (Raw Material)	1 no each	
95	Limit Switch (Raw Material)	1	
96	Rotary Switch 16 A (Raw Material)	1	
97	Load Bank 5 KW( Lamp / heater Type)	1	
98	Brake Test arrangement with two spring balance 0 to 25 kg rating	1	
99	Knife Switch DPDT fitted with fuse terminals 16 amp (Raw Material)	4	
100	Knife Switch TPDT fitted with fuse terminals 16 amp (Raw Material)	4	
101	Voltage Stabiliser Input: 150 – 230 volt AC Output: 220 volt AC	1	
102	3- point D.C. Starter	1	
103	4- point D.C. Starter	1	
104	Electrical Machine Trainer – Suitable for demonstrating the construction and functioning of different types of DC machines and AC machines (single phase and three phase). Should be fitted with friction brake arrangement, dynamo meter, instrument panel and power supply unit	1 no	
105	Motor-Generator (AC to DC) consisting of : Squirrel Cage Induction Motor with star delta starter and directly coupled to DC shunt generator and switch board mounted with regulator, air breaker, ammeter, voltmeter, knife blade switches and fuses, set complete with case iron and plate, fixing bolts, foundation bolts and flexible coupling. Induction Motor rating: 7 HP, 400V, 50 cycles, 3 phase DC Shunt Generator rating: 5 KW, 440V	1 no	
106	Used DC Generators-series, shunt and compound type	1	
107	D.C. Shunt Generator with control panel,2.5 KW, 220V	1 no	
108	D.C. Compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker, 2.5 KW, 220 V	1	
109	Diesel Generator Set with change over switch, over current breaker and water-cooled with armature, star-delta connections AC 3 phase, 5 KVA, 240 volt	1	
110	DC Series Motor coupled with mechanical load 0.5 to 2 KW, 220 Volts	1	
111	DC Shunt Motor 2 to 2.5 KW, 220 volts	1	
112	DC compound Motor with starter and switch 2 to 2.5 KW ,220 volts	1	



113	Single phase Transformer, core type, air cooled 1 KVA , 240/415 V, 50 Hz	1		
114	Three phase transformer, shell type oil cooled with all mounting 3 KVA , 415/240 V, 50 Hz , (Delta/Star)	1		
115	Oscilloscope Dual Trace, 30 MHZ	1		
116	Function Generator	1		
117	Discrete Component Trainer	1		
118	Linear I.C. Trainer	1		
119	Digital I.C. Trainer	1		
120	Oil Testing Kit	1		
121	Hygrometer	1 set		
122	a. Cut out Relays	1		
	b. Reverse current	1		
	c. Over current	1		
	d. Under voltage	1		
123	Starters for 2 to 5 H.P. A.C Motors	1		
	a. Resistance type starter	1		
	b. Direct on line Starter	1		
	c. Star Delta Starter- manual, semi-automatic and automatic	1		
124	d. Auto Transformer type	1		
	Motor Generator(DC to AC) set consisting of - Shunt Motor with starting compensator and switch directly coupled to AC generator with exciter and switch board mounted with regulator, breaker, ammeter, voltmeter frequency meter, knife blade switch and fuses etc. Set complete with cast iron bed plate, fixing bolts, foundation bolts and flexible coupling. Shunt Motor rating : 5 HP, 440V AC Generator rating : 3-Phase, 4 wire, 3.5 KVA, 400/230 Volts, 0.8 pf, 50cycles	1		
	125	AC Squirrel Cage Motor with star delta starter and triple pole iron clad switch fuse. 2 to 3 HP, 3-phase ,400 volts, 50 cycles	1	
	126	AC phase-wound slip ring Motor with starter and switch 5 HP, 400 volts, 3-phase, 50 cycles	1	
127	A.C. Series type Motor with mechanical load ¼ HP, 230V, 50 Hz	1		
128	Single Phase Capacitor Motor with starter switch 1 HP 230 volt 50 cycles	1		
129	Universal Motor with starter/switch 230 volt, 50 cycles ¼ HP	1		
130	Stepper Motor with Digital Controller Make Any reputed/ISI/ISO Certified Co	1		
131	Shaded Pole Motor Make Any reputed/ISI/ISO Certified Co	1		
132	Bath Impregnating Make Any reputed/ISI/ISO Certified Co	1		
133	Oven Stove	1		
134	Synchronous motor 3 Phase, 3 HP, 415V, 50Hz, 4 Pole, with accessories.	1		
135	Lux meter Make Any reputed/ISI/ISO Certified Co	1		
136	Inverter- 1 KVA with 12 V Battery Mikrotec/Luminus/Genius/ISO	1 no		

	Input- 12 volt DC,		
	Output- 220 volt AC		
	Domestic Appliances –	1	
	a. Electric Hot Plate 1500 watt	1	
	b. Electric Kettle, 1500 watts Make Any reputed/ISI/ISO Certified Co	1	
	c. Electric Iron 1500 watts Make Any reputed/ISI/ISO Certified Co	1	
137	d. Immersion Heater 1500 watt Make Any reputed/ISI/ISO Certified Co	1	
	e. A.C. Fan 1200mm Polar /Khaitan/USHA	1	
	f. Geyser (Storage type) 15 ltr minimum	1	
	g. Mixture & Grinder	1	
138	Thyristor /IGBT controlled D.C. motor drive with tacho-generator feedback arrangement 1 HP	1	
139	Thyristor/IGBT controlled A.C. motor drive with VVVF control 3 Phase, 2 HP	1	
140	Pentium IV Computer or latest (server- linux) 2.8 GHz & above , 1 GB RAM, 80 GH HDD combo drive, 15/17" monitor optical scroll mouse multimedia key board 32 bit lan card with UPP port necessary drivers etc		
141	Ink jet printer / laser printer	1	
142	Washing Machine fully auto LG/ Vedicon/Samsung	1	
143	Motor Pump set 1 HP, 1 Phase, 240 V Make Any reputed/ISI/ISO Certified Co	1	
144	Pin Type, shackle type & suspension type insulators (Raw Material)	2	

## Fitter

S. No.	Name of the items	Qty	Rate Per Unit
1	Steel Rule 15 cm with metric graduation	17+17	
2	Try Square 10 cm blade.	17+17	
3	Caliper inside 15 cm spring.	17+17	
4	Caliper 15 cm hermaphrodite	17+17	
5	Caliper outside 15 cm spring	17+17	
6	Divider 15 cm spring	17+17	
7	Straight Scriber 15 cm.	17+17	
8	Centre Punch 10 cm	17+17	
9	Screw driver 15 cm	17+17	
10	Chisel cold flat 10 cm	17+17	
11	Hammer ball peen 0.45 kg. With handle	17+17	
12	Hammer ball peen 0.22 kg. With handle	17+17	
13	File flat 25 cm. second cut	17+17	
14	File flat 25 cm. smooth	17+17	
15	File half round second cut 15 cm.	17+17	
16	Hacksaw frame fixed 30 cm.	17+17	
17	Safety goggles.	17+17	
18	Dot slot punch 10 cm.	17+17	
19	Steel Rule 30 cm	4	
20	Steel Rule 60 cm.	4	
21	Straight edge 45 cm steel	2	
22	Surface plate 45 x 45 cm CI / Granite.	2	
23	Marking table 91 x 91 x 122 cm.	1	
24	Universal scribing block 22 cm.	2	
25	V-Block pair 7 cm and 15 cm with clamps	2	
26	Square adjustable 15 cm blade.	2	
27	Angle plate 10 x 20 cm.	2	
28	Spirit Level 15 cm metal	1	
29	Punch letter 3 mm set.	1	
30	Punch number set 3 mm.	1	
31	Punch hollow 6 mm to 19 set of 5	2	
32	Punch round 3mm x 4 mm set of 2	2	
33	Portable hand drill (Electric) 0 to 6 mm	2	
34	Drill twist straight shank 1.5 to 12 mm by 0.5 mm	1	
35	Drill twist straight shank 8 mm to 15 mm by ½ mm	1	
36	Taps and dies complete set in box B.A	1	
37	Taps and dies complete set in box with-worth.	1	
38	Taps and dies complete set in box 3-18 mm set of 10	1	

39	File warding 15 cm smooth	4	
40	File knife edge 15 cm smooth	4	
41	File cut saw 15 cm smooth	4	
42	File feather edge 15 cm smooth	4	
43	File triangular 15 cm smooth	2	
44	File round 20 cm second cut	8	
45	File square 15 cm second cut	4	
46	File square 25 cm second cut	4	
47	Feeler gauge 10 blades	1	
48	File triangular 20 cm second cut.	8	
49	File flat 30 cm second cut.	8	
50	File flat 20 cm bastard	12	
51	File flat 30 cm bastard.	8	
52	File Swiss type needle set of 12.	2	
53	File half round 25 cm second cut.	8	
54	File half round 25 cm bastard.	4	
55	File round 30 cm bastard.	4	
56	File hand 15 cm second cut.	8	
57	Card file.	8	
58	Oil Stone 15 cm x 5 cm x 2.5 cm	5	
59	Stone carborandum 15 cm x 5 cm x 5 cm x 4 cm.	2	
60	Oil Can 0.25 liters.	2	
61	Pliers combination 15 cm	2	
62	Soldering Iron 350 gm.	2	
63	Blow Lamp 0.50 liters.	2	
64	Spanner D.E. 6 -26 mm set of 10 pcs.	8	
65	Spanner adjustable 15 cm	2	
66	Interchangeable ratchet socket set with a 12 mm driver, sized 10-32 mm set of 18 socket & attachments.	1	
67	Box spanner set 6-25 mm set of 8 with Tommy bar.	1	
68	Glass magnifying 7 cm	2	
69	Clamp toolmaker 5 cm and 7.5 cm set of 2	2	
70	Clamp "C" 5 cm	2	
71	Clamp "C" 10 cm	2	
72	Hand Reamer adjustable cover max 9 ,12,18mm – set of 3	1	
73	Hand Reamer taper 4 -9mm set of 6 OR 4 -7 mm set of 4.	1	
74	Reamer parallel 12 - 16mm set of 5.	1	
75	Scraper flat 15 cm.	8	
76	Scraper triangular 15 cm	8	
77	Scraper half round 15cm	8	
78	Chisel cold 9 mm cross cut 9 mm diamond.	8	
79	Chisel cold 19 mm flat	8	
80	Chisel cold 9 mm round noze.	8	

81	Stud Extractor EZY – out	2	
82	Combination Set 30 cm.	2	
83	Micrometer 0 – 25 mm outside.	3	
84	Micrometer 25 – 50 mm outside.	3	
85	Micrometer 50 –75 mm outside.	2	
86	Micrometer inside 25 - 50 mm with extension rods.	1	
87	Vernier caliper 15 cm	1	
88	Vernier height gauges 30 cm.	1	
89	Vernier bevel protractor.	1	
90	Screw pitch gauge.	1	
91	Wire gauge, metric standard.	1	
92	Drill twist Taper Shank 12 mm to 25 mm x 1.5	1	
93	Drill chuck 12 mm.	1	
94	Pipe wrench 40 cm	1	
95	Pipe vice 100mm	1	
96	Adjustable pipe tap set BSP with die set cover pipe size 15, 20, 25,32,38,50 mm.	1	
97	Wheel dresser (One for 4 units).	1	
98	Machine vice 10 cm.	1	
99	Machine vice 15 cm	1	
100	Sleeve drill Morse 0 - 1, 1 - 2, 2 - 3.	1	
101	Vice bench 12 cm jaws.	16	
102	Vice leg 10 cm jaw.	2	
103	Bench working 240 x 120 x 90 cm.	4	
104	Almirah 180 x 90 x 45 cm.	2	
105	Lockers with 6 drawers (standard size).	2	
106	Metal rack 182 x 182 x 45 cm	1	
107	Black board with easel.	1	
108	Fire extinguisher (For 4 Units)	2	
109	Fire buckets.	3	
110	Machine vice 100mm.	2	
111	Wing compass 25.4 cm or 30 cm.	2	
112	Hand hammer 1 kg. with handle.	2	
113	Torque wrench (14 to 68 Nm)	1	
114	Hammer smith 2 kg. With handle.	2	
115	Tongs roving 350mm.	2	
116	Tongs fiat 350mm.	2	
117	Smith's square 45 cm x 30 cm.	1	
118	Cold set rodded 25X200mm.	2	
119	Hot set rodded 25X200mm.	1	
120	Swages top & bottom 12 mm /19	1	
121	Swage block 35 x 35 x 12 cm.	1	
122	Flatters (rodded) 55 mm square.	2	

123	Fuller top & bottom 6 mm 9 mm (Pair).	2	
124	Anvil 50 kg.	2	
125	Anvil stand	2	
126	Shovel.	2	
127	Trammer 30cm.	2	
128	Rake.	2	
129	Quenching tank (To be made in the Institute).	1	
130	Pocker.	2	
131	Hardle.	2	
132	Leather apron.	26	
133	Prick punch	2	
134	Mallet.	2	
135	Snips straight 25 cm.	2	
136	Setting hammers with handle.	2	
137	Planishing hammer.	2	
138	Snip bent 25 cm.	2	
139	Stake hatchet.	2	
140	Stake grooving.	2	
141	Gauge imperial sheet	1	
142	Slip Gauge as Johnson metric set.	1 set	
143	Carbide Wear Block 1 mm – 2 mm.	2	
144	Gauge snap Go and Not Go 25 to 50 mm by 5mm. Set of 6 pcs.	1	
145	Gauge plug single 3 ended 5 to 55 by 5 mm. Set of 11 pcs.	1	
146	Gauge telescopic upto 150 mm.	1	
147	Dial test indicator .01 mm on stand	1	
148	Sine bar 125 mm.	1	
149	Sine bar 250 mm.	1	
150	Lathe tools H.S.S. tipped set.	2	
151	Lathe tools bit 6 mm x 75 mm.	4	
152	Lathe tools bit 8 mm x 75 mm.	4	
153	Lathe tools bit 10 mm x 85mm.	4	
154	Arm strong type tool bit holder R.H.	4	
155	Arm strong type tool bit holder L.H.	4	
156	Arm strong type tool bit holder straight.	2	
157	Stilson wrenches 25 cm	2	
158	Pipe cutter 6 mm to 50 mm wheel type.	2	
159	Pipe bender spool type up to 25 mm. with stand manually operated.	2	
160	Adjustable pipe chain tonge to take pipes up to 300 mm.	1	
161	Adjustable spanner 38 cm long.	1	
162	Dial vernier caliper 0 – 200 mm LCO 0.05 mm. (Universal type).	1	

163	Screw thread micrometer with interchangeable 0-25mm. Pitch anvils for checking metric threads 60.	1	
164	Depth micrometer 0-25 mm. 0.01 mm.	1	
165	Vernier caliper 0-150 mm. L.C. 0.02 mm.	1	
166	Digital Micrometer 0 – 25 mm outside. L.C. 0.001 mm.	1	
167	Comparators stand with dial indicator LC 0.01 mm.	1	
168	Engineer's try square (knife-wedge) 150 mm blade.	1	
169	Digital Vernier caliper 0-150 mm. L.C. 0.001 mm. ( Optional )	1	
170	Surface roughness comparison plates N1-N12 grade	1	
171	Digital Vernier caliper 0-150 mm. L.C. 0.001 mm. ( Optional )	1	
172	Lathe all geared head stock S.S. and S.C. height of centre over bed 15 cm – gap head complete with accessories e.g. pump, all fittings and splash guard driving plate with drives, face plate 3 jaw and 4 jaw chucks fixed and travelling steady compound turret tool post, taper turning attachment, fixed and running centres, driving dogs straight and bent tails.	2	
173	Drilling machine pillar sensitive 0-20 mm cap with swivel table motorised with chuck & key.	1	
174	Drilling machine bench sensitive 0-12 mm cap motorised with chuck and key.	2	
175	Forge portable hand blower 38 cm to 45 cm	1	
176	D.E. pedestal Grinding machine with 200mm diameter wheels rough and smooth with twist drill grinding attachment.	1	
177	Transformer welding set 150 amps. – continuous welding current, with all accessories and electrode holder	1	
178	Welder cable to carry 200 amps. With flexible rubber cover	40	
179	Lungs for cable	1	
180	Earth clamps.	20	
181	Arc welding table (all metal top) 122 cm X 12 cm X 60 cm with positioner.	1	
182	Oxy – acetylene gas welding set equipment with hoses, regulator and other accessories.	1	
183	Gas welding table with positioner	1	
184	Welding torch tips of different sizes	1	
185	Gas lighter.	1	
186	Trolley for gas cylinders.	1	
187	Chipping hammer.	2	
188	Gloves (Leather)	2	
189	Spindle key for cylinder valve.	1	
190	Welding torches 5 to 10 nozzles.	1	

191	Welding goggles	4	
192	Welding helmet with coloured glass	2	
193	Tip cleaner	27	



## WELDER

S. No.	Name of the items	Quantity	Rate Per Unit
1	Leather Hand Gloves 14"	17 pairs	
2	Cotton hand Gloves 8"	17 pairs	
3	Leather Apron leather	17 pairs	
4	S.S Wire brush 5 rows and 3 rows	17 pairs	
5	Leather hand sleeves 16"	17 pairs	
6	Safety boots for welders	17 pairs	
7	Leg guards leather	17 pairs	
8	Rubber hose clips 1/2"	20 nos	
9	Rubber hose oxygen 8 mm dia X 10 Mts long as per BIS	2 nos	
10	Rubber hose acetylene 8 mm dia X 10 Mts long as per BIS	2 nos	
11	Arc welding cables multi cored copper 400/ 600 amp as per BIS	45 mts each	
12	Arc welding single coloured glasses 108 mm x 82 mm x 3 mm. DIN 11A &12 A	34 nos	
13	Arc welding plain glass 108 mm x 82 mm x 3 mm.	68 nos	
14	Gas welding Goggles with Colour glass 3 or 4A DIN	34 nos	
15	Safety goggles plain	34 nos	
16	Spark lighter	8 nos	
17	AG 4 Grinding wheels	10 nos	
18	Welding helmet fiber	17+17	
19	Welding hand shield fiber	17+17	
20	Chipping hammer with metal handle 250 Grams	17+17	
21	Chisel cold flat 19 mm x 150 mm	17+17	
22	Centre punch 9 mm x 127 mm	17+17	
23	Dividers 200 mm	17+17	
24	Stainless steel rule 300mm	17+17	
25	Scriber 150 mm double point	17+17	
26	Flat Tongs 350mm long	17+17	
27	Hack saw frame fixed 300 mm	17+17	
28	File half round bastard 300 mm	17+17	
29	File flat 350 mm bastard	17+17	
30	Hammer ball pane 1 kg with handle	17+17	
31	Tip Cleaner	17+17	
32	Try square 6"	17+17	
33	Spindle key	4+4	
34	Screw Driver 300mm blade and 250 mm blade	1+1	
35	Number punch 6 mm	2+2 set	
36	Letter punch 6 mm	2+2 set	

37	Magnifying glass 100 mm . dia	2+2
38	Universal Weld measuring gauge	2 nos
39	Earth clamp 600A	2+2
40	Spanner D.E. 6 mm to 32mm	2+2 set
41	C-Clamps 10 cm and 15 cm	2+2 each
42	Hammer sledge double faced 4 kg	1+1
43	S.S tape 5 meters flexible in case	1+1
44	Electrode holder 600 amps	6+6
45	H.P. Welding torch with 5 nozzles	2+2 set
46	Oxygen Gas Pressure regulator double stage	2+2
47	Acetylene Gas Pressure regulator double stage	2+2
48	CO2 Gas pressure regulator, with flow meter	2+2 set
49	Argon Gas pressure regulator with flow meter	2+2 set
50	Metal rack 182 x 152 x 45 cm	1+1
51	First Aid box	1+1
52	Steel lockers with 8 pigeon hole	2+2
53	Steel Almirah / Cupboard	2+2
54	Black board and casel with stand	1+1
55	Flask back arrester (torch mounted)	4+4 pairs
56	Flash back arrester (cylinder mounted)	4+4 pairs
57	Welding Transformer with all accessories ( 400A, OCV 60–100 V, 60% duty cycle)	1 set
58	Welding Transformer (or) Inverter based welding machine with all accessories (300A , OCV 60 – 100 V, 60% duty cycle)	1 set
59	D.C Arc welding rectifiers set with all accessories (400 A. OCV 60 – 100 V, 60% duty cycle )	1 sets
60	GMAW welding machine 400A capacity with air cooled torch, Regulator, Gas preheater, Gas hose and Standard accessories	1 set
61	AC/DC GTAW welding machine with water cooled torch 300 A, Argon regulator, Gas hose, water circulating system and standard accessories.	1 set
62	Air Plasma cutting equipment with all accessories, capacity to cut 25 mm clear cut	1 set
63	Air compressor suitable for air plasma cutting system	1 no
64	Auto Darkening Welding Helmet	2 nos
65	Spot Welding machine to 15 KVA with all accessories	1 set
66	Portable gas cutting machine machine Capable of cutting Straight & Circular with all accessories	1 set
67	Pedestal grinder fitted with coarse and medium grain size grinding wheels dia. 300 mm reputed/ISI/ISO certified Co.	1
68	Bench grinder fitted with fine grain size silicon carbide green grinding wheel dia. 150 mm	1

69	AG 4 Grinder	2 nos
70	Suitable gas welding table with fire bricks	2 nos
71	Suitable Arc welding table with positioner	9
72	Trolley for cylinder (H.P. Unit)	2
73	Hand shearing machine capacity to cut 6 mm sheets and flats	1
74	Power saw machine 18''	1
75	Portable drilling machine (Cap. 6 mm)	1
76	Oven, electrode drying 0 to 350°C, 10 kg capacity	1
77	Work bench 340x120x75 cm with 4 bench vices of 150 mm jaw opening	4 sets
78	Oxy Acetylene Gas cutting blow pipe	2 sets
79	Oxygen, Acetylene Cylinders	2 each
80	CO2 cylinder	2 nos
81	Argon gas cylinder	2 nos
82	Anvil 12 sq. inches working area with stand	1 no
83	Swage block	1 no
84	Die penetrant testing kit	1 set
85	Magnetic particle testing Kit	1 set
86	Fire extinguishers (foam type and CO2 type)	1
87	Fire buckets with stand	4 nos
88	Portable abrasive cut-off machine	1 no
89	Suitable Gas cutting table	1 no
90	Welding Simulators for SMAW/GTAW/GMAW	1 each
91	Instructors table and chair (steel)	<b>1 set</b>
92	Student chair with writing pads	<b>16</b>
93	White board size 1200mm x 900mm	<b>1</b>
94	Instructors lap top with latest(vista & above) configuration pre loaded with operating system. and MS Office package.	1
95	LCD projector with screen. reputed/ISI/ISO certified Co.	1
96	Welding Process, Inspection & codes DVD/ CDs	1 set each (optional)

**Trade Machinist**

<b>S. no.</b>	<b>Name of tools Equipment</b>	<b>Quantity</b>	<b>Rate</b>
1	Steel rule 30 cm graduated both in English & Metric units	16+16	
2	Outside spring caliper 150 mm	8+8	
3	Inside spring caliper 150 mm	8+8	
4	Hermaphrodite caliper 150 mm	8+8	
5	Divider spring 150 mm	8+8	
6	Hammer B.P. 0.5 kg.	16+16	
7	Cold chisel flat 25 x 200 mm	16+16	
8	File flat bastard 300 mm	16+16	
9	File flat 2nd cut 250 mm	20+20	
10	File flat smooth 200 mm	20+20	
11	Engineers screw driver	16+16	
12	Combination Plier 150 mm	16+16	
13	Safety glasses	16+16	
14	Surface plate 400 mm x 400mm grade	1	
15	Table for surface plate 900 x 900 x 1200 mm	1	
16	Marking off table 1200 x 1200 x 900 mm high	1	
17	Scribing block universal 300 mm	2	
18	V- Block 100/7 – 80 – A	2	
19	Try square 300 mm	2 nos.	
20	Outside spring caliper 200 mm	2 nos.	
21	Divider spring 200 mm	2 nos.	
22	Inside spring caliper 200 mm	2 no.	
23	Straight edge steel 1 meter	1 no.	
24	Straight edge steel 500 mm	1 no.	
25	Steel tape 2 meter in case	1 no	
26	Steel rule 60 cm graduated both in English & Metric units	2 nos.	
27	Sprit level 2V 250, 05 meter	1no	
28	Hammer B.P. 800 gms. With handle	4 nos.	
29	Screw driver, heavy duty 300 mm with handle	4 nos.	
30	Hammer lead 1 kg.	2 nos.	
31	Spindle blade screw driver 100 mm	4 nos.	
32	Allen Hexagonal keys 2.5 to 12	2 sets	
33	Spanner D.E. series 2 (set of 7 pieces)	6 sets	
34	Adjustable spanner 300 mm	2 nos.	
35	Reduction sleeve Morse 1-1, 3-1, 4-1, 4-2, 5-1, 5-2, 6-1,	2 nos. each	
36	Angle plate size 200 x 100 x 200 mm	2 nos.	
37	Angle plate adjustable 250 x 150 x 175 mm	2 nos.	
38	Solid parallels in pairs (different sizes) in Metric	12 pairs (assorted)	
39	Oil Can pressure feed 500 mg.	6nos	

40	Oil stone 150 x 50 x 25 mm	2nos	
41	Number drills H.S.S. (parallel shank)	1set	
42	Twist drills 3 mm to 13 mm in step of 0.5 mm (parallel shank)	2set	
43	Drill Chuck 0.20 with taper shank	1no	
44	Centre drill A 1 to 5	2set	
45	Grinding wheel dresser (diamond)	1no	
46	Grinding wheel dresser Huntington type	2 nos.	
47	Clamps C 100 mm	2nos	
48	Clamps C 200 mm	2nos	
49	Tap and Die set in box metric pitch (6 mm to 12 mm)	1set	
50	Drill H.S.S. taper shank (6 mm to 12 mm in step of 0.5 mm)	2set	
51	File Half round 2nd cut 250 mm	4nos	
52	File triangular smooth 200 mm	4nos	
53	Needle file set	1no.	
54	File square 2nd cut 250 mm	4nos	
55	Reamer 6 mm to 25 mm by 1 mm	1set	
56	Reamer adjustable 10 mm to 15 mm by 75 mm	1set	
57	Tool bits H.S.S. 6 mm square	1 Dozen	
58	Tool bits H.S.S. 10 mm square	1 Dozen	
59	Tool bits holder (Armstrong) L.H	4nos	
60	Tool bits holder (Armstrong) R.H.	4nos	
61	Assorted tools and bit holders for lathe, shaper, slotter & planner in different shapes and sizes	1 no each	
62	Hacksaw frame adjustable 250-300 mm with blades	2nos	
63	Table chuck 75 mm jaw swivel base	1no	
64	Machine vice 200 mm swivel base	4nos	
65	Machine vice 160 mm swivel base	2nos	
66	Hand vice 50 mm jaw	2nos	
67	Radius turning attachment	1no	
68	Angle turning attachment	1no	
69	Compound angle vice (standard sine)	1no	
70	Universal vice 150 mm	1no	
71	Universal table angle plate	1no	
72	Shaper tool holder turret type	2nos	
73	Base chuck for slotter	1no	
74	shaper indexing center	1no	
75	Knurling tools (set of 3) straight and diamond	1each	
76	Plier cutting 200 mm	2nos	
77	Carbide tipped tools of different sizes and shapes (throw away tips)	2sets	
78	Hand hammer 1 kg. With handle	2nos	
79	Cylindrical cutter 63 x 90 bore dia	3nos	
80	Cylindrical cutter 80 x 90 bore dia.	3 nos	
81	Side and face cutter dia 80 x 8	2 nos	

82	Side and face cutter dia 160 x 10	3 nos	
83	Side and face cutter dia 100 x 12	2 nos	
84	Side and face cutter dia 160 x 16	2 nos	
85	Side and face cutter dia 200 x 20	3 nos	
86	Side and face cutter dia 100 x 10	2 nos	
87	Equal angle cutter 450/100	2 nos	
88	Equal angle cutter 600/100	2 nos	
89	Equal angle cutter 900/100	2 nos	
90	Double angle unequal cutter 50 x 12 x 550	2 nos	
91	Double angle unequal cutter 50 x 12 x 600	2 nos	
92	Double angle unequal cutter 50 x 12 x 700	2 nos	
93	Double angle unequal cutter 50 x 12 x 750	1 no	
94	Single angle cutter 63 x 18 x 450 RH	1 no	
95	Single angle cutter 63 x 18 x 450 LH 45°	1 no	
96	Single angle cutter 63 x 18 x 600 RH 45°	1 no	
97	Single angle cutter 63 x 18 x 600 LH	1 no	
98	Slitting Saw cutter Ø 75 x 3 X Ø 27 mm	2 nos.	
99	Slitting Saw cutter Ø 100 x 6 X Ø 27 mm	2 nos.	
100	Shell End Mill Ø 50 x 36 x Ø 22 (preferably inserted tip type)	2 nos.	
101	Shell End Mill Ø 75 mm x 50 x Ø 22 (preferably inserted tip type)	2 nos.	
102	Parallel shank end mills Ø6, Ø10 and Ø 16 are (double fluted), Ø 20 mm & Ø 25mm (four fluted)	4 nos. each	
103	'T' slot cutter with parallel shank- Ø 17.5 x 8 mm width x dia. of shank 8 mm	2 nos.	
104	Concave Milling cutter Ø 63 x 6 radius x Ø 27 mm	1 nos.	
105	Convex Milling cutter Ø 63 x 6 radius x Ø 27 mm	1 nos.	
106	Disc type form milling cutter (involute form -2 module, 20° pressure angle)	1 set	
107	Micrometer outside 0-25 mm	4 nos	
108	Micrometer outside 25-50 mm	2 no	
109	Micrometer outside 50-75 mm	1 no	
110	Micrometer depth gauge 0-200 mm	1no	
111	Digital micrometer 0-25 mm	1 no	
112	Direct reading vernier caliper 0- 300 (direct reading with dial)	1no	
113	Digital vernier caliper 0- 300 mm	1 no	
114	Vernier height gauge 250 mm	1 no	
115	Vernier gear tooth caliper	1no	
116	Combination set with 300 mm rule	2 sets	
117	Vernier bevel protractor with 150 m blade	1 no	
118	Bevel gauge 200 mm	1 no	
119	Telescopic gauge 13 mm to 300 mm	1set	
120	Sine Bar 200 mm	1 no	

121	Dial test indicator with magnetic gauge type 1 grade A with magnetic base	1 no	
122	Center gauge 600	1 no	
123	Slip gauge set (normal set) metric (for the whole institute)	1 set	
124	Screw pitch for metric pitches (25-6 mm)	2 sets	
125	Radius gauge metric set (1-6 mm)	1 set	
126	Limit plug gauges 5 mm to 25 mm by 2.5 mm	1 set	
127	Ring gauges 5 mm to 25 mm by 2.5 mm (GO & NO GO)	1 set	
128	Taper gauge M.T. No. 1, 2, 3, 4 & 5	1 set	
129	Feeler gauge	1 no	
130	Planer gauge standard size	1 no	
131	Magnifying glass 75 mm	2nos	
132	Shaping machine 450 mm stroke (motorized) with all attachments	2 nos.	
133	Shaping machine 315 mm stroke (hydraulic) with all attachments	1 no	
134	Double column planer 1500 x 1000 x 1000 (motorized) with all attachments	1no	
135	Slotter 180 mm stroke (motorized) with all attachments	1no	
136	SS and SC centre lathe (all geared) with specification as: Centre height 150 mm and centre distance 1000 mm along with 4 jaw chuck, Taper turning attachment, steadies, auto feed system, safety guard, motorized coolant system, with lighting arrangement and set of lathe tools.	3 nos.	
137	Tool and cutter grinder 250 mm to admit 450 mm between center-fully motorized work head supplied with tool rest of different types table clamps and other attachments.	1 no	
138	Pillar Drill machine 20 mm capacity with drill chuck & key.	1 no	
139	Radial drill 1200 mm area motorized with tapping attachment	1no	
140	Silicon carbide grinder for carbide tipped tools	1 no.	
141	Double ended Pedestal Grinder with 178 mm wheels(one fine and one rough wheel)	1 no.	
142	Universal Milling machine with minimum specification as:Table Length x width 1200 x 300 mm having motorized up & down movement along with auto feed arrangement and with following attachments such as:a. Vertical headb. Slotting attachmentc. Rack cutting attachment d. Rotary tablee. Dividing headf. Adaptors, arbors and collects etc. for holding straight shank drills and cutters from 3 mm to 25 mm.	2 nos.	
143	Horizontal Milling Machine with minimum specification as: Table Length x width 1200 x 300 mm having motorized up & down movement along with auto feed arrangement and 150mm Universal vice.	1no	
144	Vertical Milling Machine with minimum specification as: Table Length x width 1200 x 300 mm having motorized up & down movement along with auto feed arrangement along with 150mm universal vice.	1 no	

145	Surface Grinding Machine with minimum specification as: Grinding machine plain surface, wheel dia. 175 mm (or near) with reciprocating table having longitudinal table traverse <u>200</u> mm (or near) fully automatic and fitted with adjustable traverse stops, machine to be fully motorized and fitted with ace guards and pumps, tank and pump fittings and also to be supplied with magnetic chuck 250 x 112 mm. Diamond tool holder, set of spanners, grease gun, oil-can and spare grinding wheel for general purpose grinding.	1 no	
146	Cylindrical grinder Max. grinding length 300 mm Height of centre 130 mm Max. distance between centers 340 mm	1 no	
147	CNC Milling Machine/Vertical Machining Centre with minimum specification as: Table size:500x250mm Travel X-axis x Y-axis x Z-axis: 300 x 250 x 250mm Auto Tool Changer: 8 nos. Spindle power: 3.7kW (continuous rating) with popular control system like Fanuc/Siemens or equivalent along with motorized coolant system.	1 No.	
148	a) Multimedia based simulator for CNC technology and interactive CNC part programming software for turning & milling with virtual machine operation and simulation using popular operation control system such as Fanuc, Siemens, etc. (Web-based or licensed based) (10 trainees + 1 faculty) b) Desktop with MS-Windows-7 or latest to run above software, networked on LAN.	a) 11 users.  b) 11 nos.	
149	CNC milling tools assorted such as adapters to suit above machine to accommodate face cutter, shell end mill cutter, taper shank and parallel shank drills/cutters.	2 sets along with cutters & inserts.	
150	CNC hole machining tools assorted such as adapters to suit above machine to accommodate different boring bars.	2 sets along with cutters	
151	LCD projector/large screen TV	1 nos.	
152	Steel lockers for 12 trainees	1 no	
153	Steel chair for Instructor	1 no	
154	Steel table for Instructor	1 no	
155	Work bench for Fitters with 2 vices of 100 mm jaw	1 no	
156	Steel cup board 180×90×45 mm	1 no	
157	Steel cup board 120×60×45 cm	1 no	
158	Black board with easel	1 no	
159	First Aid Box	1 no	



### Motor Machanic Vehicle

S. No.	Name of Items	Qty.	Rate
1	Allen Key set of 12 pieces (2mm to 14mm)	10+6	
2	Caliper inside 15 cm Spring	10+6	
3	Calipers outside 15 cm spring	10+6	
4	Center Punch 10 mm. Dia. x 100 mm	6+6	
5	Dividers 15 cm Spring	7+6	
6	Electrician Screw Driver 250mm	6+6	
7	Hammer ball peen 0.5 kg with handle	6+6	
8	Hands file 20 cm. Second cut flat	6+6	
9	Philips Screw Driver set of 5 pieces (100 mm to 300 mm)	8+6	
10	Pliers combination 20 cm.	8+6	
11	Screw driver 20cm.X 9mm. Blade	6+6	
12	Screw driver 30 cm. X 9 mm. Blade	6+6	
13	Scriber 15 cm	25+6	
14	Spanner D.E. set of 12 pieces (6mm to 32mm)	10+6	
15	Spanner, ring set of 12 metric sizes 6 to 32 mm	10+6	
16	Spanners socket with speed handle, T-bar, ratchet and universal upto 32 mm set of 28 pieces with box	8+6	
17	Steel rule 30 cm inch and metric	10+6	
18	Steel tool box with lock and key (folding type) 400x200x150 mm	6+6	
19	Wire Cutter and Stripper	6+6	
20	AC alternator slip ring puller	1	
21	Adjustable spanner (pipe wrench 350 mm)	2	
22	Air blow gun with standard accessories	1	
23	Air Brake Assembly	1	
24	Air impact wrench with standard accessories	4	
25	Air ratchet with standard accessories	4	
26	Alternator assembly used for LMV	2	
27	Ammeter 300A/ 60A DC with external shunt	4	
28	Angle plate adjustable 250x150x175	1	
29	Angle plate size 200x100x200mm	2	
30	Anti theft device	1	
31	Anvil 50 Kgs with Stand	1	
32	Auto Electrical test bench	1	
33	Battery –charger	2	
34	Belt Tensioner gauge	1	
35	Blow Lamp 1 litre	2	

36	Car Jet washer with standard accessories	1	
37	Carburetor – Solex, Mikunyu for dismantling and assembling	1 each	
38	Carburetor repair tool kit	1	
39	Chain Pulley Block-3 ton capacity with tripod stand	1	
40	Chisel 10 cm flat	4	
41	Chisels cross cut 200 mm X 6mm	4	
42	Circlip pliers Expanding and contracting type 15cm and 20cm each	4	
43	Clamps C 100mm	2	
44	Clamps C 150mm	2	
45	Clamps C 200mm	2	
46	Cleaning tray 45x30 cm.	4	
47	Coil spring compressor for suspension spring	1	
48	Compression testing gauge suitable for diesel Engine with standard accessories	2	
49	Connecting rod alignment fixture	1	
50	Constant Mesh Gear box with stand for Dismantling and assembly.	1	
51	Copper bit soldering iron 0.25 Kg	4	
52	Cut section Model of Mock layout of a motor car – electrical system working model	1 set	
53	Cut section models of shock absorbers	1	
54	Cut section of cross ply and radial tyres	1	
55	Cut section working model of automatic transmission Gear box	1	
56	Cut section working model of centrifugal clutch assembly.	1	
57	Cut section working model of Diaphragm clutch assembly.	1	
58	Cut section working model of Single plate clutch assembly.	4	
59	Cylinder bore gauge capacity 20 to 160 mm	1 each	
60	Cylinder liner- Dry & wet liner, press fit & slidefit liner	2	
61	DC Ohmmeter 0 to 300 Ohms, mid scales at 20 Ohms	1	
62	Demonstration board of 2W Ignition system, ignition coil	1	
63	Demonstration board of electronic Ignition system, ignition coil	1	
64	Demonstration board of MPFI system	4	

65	Depth micrometer 0-25mm	4	
66	Dial gauge type 1 Gr. A (complete with clamping devices and with	1 set	
67	magnetic stand)	1 each	
68	Different type of Engine Bearing model	2	
69	Different type of piston model	1 each	
70	Disk brake with caliper assembly	4	
71	Distributor –Duel advance type, reluctance type	4	
72	Drift Punch Copper 15 Cm	4	
73	Drill point angle gauge	1	
74	Drill twist 1.5 mm to 15 mm (various sizes) by 0.5 mm	2 each	
75	Drum brake assembly	4	
76	Electric Soldering Iron 230 V 60 watts 230 V 25 watts	4	
77	Electric testing screw driver	1	
78	Engineer's square 15 cm. Blade	1	
79	Engineers stethoscope	4	
80	File flat 20 cm bastard	4	
81	File, half round 20 cm second cut	4	
82	File, Square 20 cm second cut	4	
83	File, Square 30 cm round	4	
84	File, triangular 15 cm second cut	4	
85	Files assorted sizes and types including safe edge file (20 Nos)	2 set	
86	Flat File 25 cm second cut	4	
87	Flat File 35 cm bastard	4	
88	Front axle ( Rzeppa Joint) with stand for Dismantling and assembly	1	
89	Fuel feed pump for diesel	1	
90	Fuel injection pump (Diesel) inline	1	
91	Fuel injection pump dismantling tool kit /Universal Vice	1	
92	Fuel injection pump, VE pump / Distributor fuel rotary pump (DPC) pumps / along with special tools and accessories.	1 each	
93	Full floating axle and semi-floating axle assembly	1	
94	Functional/experiment model of different type of sensors.	1 set	
95	Garage stand	4	
96	Gloves for Welding (Leather and Asbestos)	10 sets	
97	Glow plug tester	2	

98	Granite surface plate 1600 x 1000 with stand and cover	1	
99	Grease Gun	2	
100	Grease Gun heavy duty trolley type 10 kg capacity	1	
101	Growler	2	
102	Hacksaw frame adjustable 20-30 cm	10	
103	Hammer Ball Peen 0.75 Kg	4	
104	Hammer Chipping 0.25 Kg	5	
105	Hammer copper 1 Kg with handle	4	
106	Hammer Mallet	4	
107	Hammer Plastic	4	
108	Hand operated crimping tool (i) for crimping up to 4mm and (ii) for crimping up to 10mm	2	
109	Hand reamers adjustable 10.5 to 11.25 mm, 11.25 to 12.75 mm, 12.75 to 14.25 mm and 14.25 to 15.75 mm	1 sets	
110	Hand Shear Universal 250mm	2	
111	Hand vice – 37 mm	2	
112	Hollow Punch set of seven pieces 6mm to 15mm	2 sets each	
113	Horn and Horn relay	2	
114	Impact screw driver	2	
115	Injector – Multi hole type, Pintle type	4 each	
116	Injector cleaning unit	1	
117	Injector testing set (Hand tester)	1	
118	Insulated Screw driver 20 cm x 9mm blade	4	
119	Insulated Screw driver 30 cm x 9mm blade	4	
120	Left cut snips 250mm	4	
121	Lifting jack screw type 3 ton, 5ton & 20 Ton capacity	1 each	
122	Magneto spanner set with 8 spanners	1 set	
123	Magnifying glass 75mm	2	
124	Marking out table 90X60X90 cm.	1	
125	Multimeter digital	5	
126	Multi-point fuel injection pump	2	
127	Oil can 0.5/0.25 liter capacity	4	
128	Oil pump for dismantling and assembling.	2	
129	Oil Stone 15 cm x 5 cm x 2.5 cm	1	
130	Oscilloscope 20MHz	1	
131	Outside micrometer 0 to 25 mm	4	
132	Outside micrometer 25 to 50 mm	4	
133	Outside micrometer 50 to 75 mm	1	
134	Outside micrometer 75 to 100 mm	1	

135	Petrol nozzle	2	
136	Pipe cutting tool	2	
137	Pipe flaring tool	2	
138	Piston ring compressor	2	
139	Piston Ring expander and remover.	2	
140	Piston Ring groove cleaner.	2	
141	Pliers flat nose 15 cm	2	
142	Pliers round nose 15 cm	2	
143	Pliers side cutting 15 cm	2	
144	Portable electric drill Machine	1	
145	Prick Punch 15 cm	4	
146	Punch Letter 4mm (Number)	2 set	
147	Radiator cut section-cross flow	1	
148	Radiator cut section-down flow	1	
149	Radiator pressure cap	2	
150	Rear axle full floating type with stand for Dismantling and assembly	1	
151	Right cut snips 250mm	2	
152	Rivet sets snap and Dolly combined 3mm, 4mm, 6mm	2	
153	Scraper flat 25 cm	2	
154	Scraper half round 25 cm	2	
155	Scraper Triangular 25 cm	2	
156	Scriber with scribing black universal	2	
157	Set of stock and dies – Metric	2 sets	
158	Shear Tin Man's 450 mm x 600mm	2	
159	Sheet Metal Gauge	2	
160	Sher Tinmans 300mm	4	
161	Soldering Copper Hatchet type 500gms	2	
162	Solid Parallels in pairs (Different size) in Metric	2	
163	Spanner Clyburn 15 cm	1	
164	Spanner T. flocks for screwing up and up-screwing inaccessible	2	
165	Spanner, adjustable 15cm.	2	
166	Spark lighter	2	
167	Spark plug spanner 14mm x 18mm x Size	2	
168	Starter motor axial type, pre-engagement type & Co-axial type	1each	
169	Steel measuring tape 10 meter in a case	4	
170	Steel rule 15 cm inch and metric	4	

171	Steering assembly - 1.Rack & pinion, 2.Worm & roller 3. Recirculating ball, 4.Power steering	1 each	
172	Straight edge gauge 2 ft.	2	
173	Straight edge gauge 4 ft.	2	
174	Stud extractor set of 3	2 sets	
175	Stud remover with socket handle	1	
176	Surface gauge with dial test indicator plunger type i.e. 0.01 mm	4	
177	Synchronous Gear box with stand for Dismantling and assembly.	1	
178	Tachometer (Counting type)	1	
179	Tandem master cylinder with booster	4	
180	Taps and Dies complete sets BSF	1 set	
181	Taps and wrenches - metric	2 sets	
182	Telescope gauge	4	
183	Temperature gauge with sensor 0-100 deg c	2	
184	Tester sparking plug 'NEON' Type	1	
185	Thermostat	2	
186	Thread pitch gauge metric, BSW	2	
187	Timing lighter	2	
188	Toe-in, toe-out gauge	1set	
189	Torque wrenches 5-35 Nm, 12-68 Nm & 50-225 Nm	1 each	
190	Trammel 30 cm	2	
191	Tread wear indicator	1	
192	Tubed tyre of car, trucks & motorcycle	1	
193	Tubeless tyre of cars & trucks	1	
194	Tubeless tyre repair kit		
195	Turbocharger cut sectional view	1	
196	Tyre & split rim wheel assembly	1	
197	Tyre pressure gauge with holding nipple	2	
198	Universal puller for removing pulleys, bearings	1	
199	V' Block 75 x 38 mm pair with Clamps	2	
200	Vacuum assisted hydraulics brake assembly with vacuum booster	1	
201	Vacuum gauge to read 0 to 760 mm of Hg.	2	
202	Valve Lifter	1	
203	Valve spring compressor universal.	1	
204	vernier caliper 0-300 mm with least count 0.02mm	4	
205	Vice grip pliers	2	
206	Water pump for dismantling and assembling	4	

207	Wheel cylinder	4	
208	Wiper motor assembly	2	
209	Wire Gauge (metric)	2	
210	Work bench 250 x 120 x 60 cm with 4 vices 12cm Jaw	4	
211	Working Model of power windows	1	
212	Working model of torque converter	1	
213	4 Point relays	2	
214	5 Point relays	2	
215	Air bag simulator	1	
216	Air conditioned CRDI Vehicle in running condition -LMV	1	
217	Air conditioning service Unit (Car)	1	
218	Air conditioning trainer kit	1	
219	Arbor press hand operated 2 ton capacity	1	
220	Automotive exhaust 5 gas analyzer (petrol & Diesel) or Diesel Smoke Meter	1	
221	Bench lever shears 250mm Blade x 3mm Capacity	1	
222	Diesel Engine – CRDI - 4 stroke for Dismantling and assembling with swivelling stand	1	
223	Diesel engine ( Running condition ) Stationary type	1	
224	Discrete Component Trainer / Basic Electronics Trainer	1	
225	Drilling machine bench to drill up to 12mm dia along with accessories	1	
226	Dual Magnetization Yoke : AC / HWDC, 230 VAC, 50Hz	1 set	
227	Four stroke petrol engine with CNG setup-working condition	1	
228	Gas Welding Table 1220mm x760mm	2	
229	Grinding machine (general purpose) D.E. pedestal with 300 mm dia	1	
	wheels rough and smooth		
230	Hand operated Hydraulic press	1	
231	Heavy Commercial vehicle type (without body on frame)	1	
232	Hydraulic jack HI-LIFT type -3 ton capacity, and 5 Ton capacity	1 each	
233	Liquid penetrant Inspection kit	1 set	

234	MPFI petrol engine with swiveling stand along with special tools for	1	
	dismantling and assembling		
235	Multi Scan Tool with oscilloscope	1	
236	Petrol Engine(2-stroke) Motor Cycle/Scooter along with special tools	1	
	and accessories		
237	Pipe Bending Machine (Hydraulic type) 12mm to 30mm	1	
238	Pneumatic rivet gun with standard accessories	2	
239	Spring tension tester	1	
240	Tin smiths bench folder 600 x 1.6mm	1	
241	Transfer case with stand for Dismantling and assembly.	1	
242	Trolley type portable air compressor single cylinder with 45 liters	1	
	capacity Air tank, along with accessories & with working pressure 6.5 kg/sq cm		
243	Tube/ tyre vulcanizing machine	1	
	Two post car lift – capacity 4000 kg	1	
244	Tyer Changer Machine	1	
	Ultrasonic Injection cleaning equipment	1	
245	Welding plant Oxy-Acetylene complete ( high pressure)	1	
	Welding Transformer ( 150-300 Amps)	1	
246	Wheel alignment Machine –computerised 3D	1	
	Wheel balancing machine	1	
247	Working Condition of Diesel Engine – CRDI - 4 stroke Engine	1	
	Assembly with fault simulation board		
248	Working Condition of Petrol MPFI Engine Assembly with fault	1	
	simulation board		
249	Automatic Transmission oils	As required per Ltr.	
250	Battery- SMF	As required	
251	Brake fluids	As required	
252	Chalk, Prussian blue.	As required	
253	Chemical compound for fasteners	As required	
254	Diesel	As required	
255	Different type gasket material	As required	



256	Different type of oil seal	As required	
257	Drill Twist (assorted)	As required	
258	Emery paper - 36-60 grit , 80-120	As required	
259	Engine coolant	As required	
260	Engine oil	As required	
261	Gear oils	As required	
262	Hacksaw blade (consumable)	As required	
263	Hand rubber gloves tested for 5000 V	5 pair	
264	Holder, lamp teakwood boards, plug sockets,	As required	
	solders, flux wires and cables batteries round consumable blocks and other consumables as required		
265	Hydrometer	4	
266	Lapping abrasives	As required	
267	Leather Apron	5	
268	Petrol	As required	
269	Power steering oil	As required	
270	Radiator Coolants	As required	
271	Safety goggles	As required	
272	Steel wire Brush 50mmx150mm	5	
273	Book shelf (glass panel) 6½ ' x 3' x 1½'	4	
274	Computer Chair	2	
275	Computer Table	2	
276	Desktop computer and related MS office software	1+1=2	
277	Discussion Table 8' x 4' x 2½ '	1+1=2	
278	Fire Extinguishers, first- aid box	2 no each	
279	Instructional Material – NIMI Books/Ref.books	-	
280	Internet connection with all accessories	1	
281	Laser printer	1	
282	LCD projector/ LED /LCD TV (42")	1 No.	
283	Multimedia DVD for Automotive	1	
	application/subjects		
284	Online UPS 2KVA	1	
285	Stools	21	
286	Storage Rack 6½ ' x 3' x 1½'	2	
287	Storage shelf 6½ ' x 3' x 1½'	2	
288	Suitable class room furniture/ Instructor Table	1	
289	Suitable Work Tables with vices	2	
290	Tool Cabinet - 6½ ' x 3' x 1½'	2	
291	Trainees locker 6½ ' x 3' x 1½'	2	
292	Draughtsman table	20 Nos.	

293	Draughtsman stool	20Nos.	
294	Computer Latest version compatible for running Auto CAD	10Nos	
	software, preloaded with windows and 20" colour Monitor.		
295	Plotter (Max. A3 size) (Max. A0 size)	1 No.	
296	Laser Jet printer latest model	1 No.	
297	UPS - 5 KVA	2 Nos.	
298	Computer table	10 Nos.	
299	Computer chairs	10 Nos.	

### Trade: Mechanic (Refrigeration and Air-Conditioning)

S.NO	Name of tools	Broad specifications	Quantity	Rate Per Unit
1	File flat rough double cut	200mm Made of high carbon steel Chisel with handle	17	
2	File, half round, fine double cut,	length 150mm Made of high carbon steel Chisel with handle	17	
3	File, round, fine double cut	length 150mm Made of high carbon steel Chisel with handle	17	
4	File flat, fine double cut,	length 150mm Made of high carbon steel Chisel with handle	17	
5	File square, fine double cut,	length 150mm Made of high carbon steel Chisel with handle	17	
6	File triangular fine double cut	length 150mm Made of high carbon steel Chisel with handle	17	
7	Scriber	150mm length (Knurled centre position) spring made of high Carbon steel and point Hardened & tempered	17	
8	Try square	150 mm Made of hardened spring steel should be precisely grounded to ensure straightness	17	
9	Divider spring joint	length 150mm Manufactured from good Quality High Carbon steel tips hardend and tempered	17	
10	Caliper spring joint in side	length 150mm Manufactured from good Quality High Carbon steel tips hardend and tempered	17	
11	Caliper, odd leg, spring joint	length 150mm Manufactured from good Quality High Carbon steel tips hardend and tempered	17	
12	Hammer ball pain	220 gms Drop Forged Steel Induction Hardened. Lacquered Head Seasoned Wood Handle. Polished Hitting Face.	17	
13	Cold Chisel flat and cross cut	length 150mm	17	
14	Engineers rule	300mm long	17	
15	Tape measuring	10m graduation in mm	17	
16	Pliers combination insulated	length 200mm	17	

17	Pliers long nose	200 mm made of Drop forged special selected steel Insulated with thick cellulose Acitade sleeves to with stand 550 Volts	17	
18	Pliers flat nose	150mm made of Drop forged special selected steel Insulated with thick cellulose Acitade sleeves to with stand 550 Volts	17	
19	Line tester	500 v heavy duty insulated handle thin stem, 100 mm Insulated thick stem Length 06 m.m. dia steam of high grade steel rust Proof with Handle Ergonomic Handle Design, Fully Hardened Blade of High Grade Steel.	17	
20	Surface plate	45 x45 cms	1	
21	Oil can	500 ml	5	
22	Surface Gauge universal	150 mm	5	
23	Bench vice	300mm jaw manufactured from high Quality Grey Cast Iron . A Very Strong material with excellent Shock absorbing capacity and immense strength under compression, these rigid & robust vices machined to close tolerances, with Interchangeable jaws, hardened Square thread spindle with appropriate pitch and depth	10	
24	Hack saw tubular metal frame adjustable	300mm	10	
25	Snip sheet metal straight nose	200 mm	10	
26	Snip sheet metal curved nose	200 mm	10	
27	Anvil	100X200mm	1	
28	Stakes [ different Types]	100mm	1	
29	Tin smith	400mm	1	
30	Wooden mallet /Nylon mallet	500 gm good finish	5	
31	Round Punch	3mm,4mm,6mm	5	
32	Grover set	4mm forming	1	
33	Electrical drill portable drill with chuck and key,	capacity 6.4mm	5	
34	Tape measuring graduation in mm	2 m	5	
35	Screw driver, plastic handle,	6mm TIP length 100mm to 150mm	6	

36	Screw driver, plastic handle, Flat tip	10mm TIP length 200mm & 250mm	6	
37	Philips screw driver	complete set in leather case	5	
38	Screw driver, plastic handle, Flat tip	handle 3mm TIP length 100mm to 150mm insulated	5	
39	Soldering iron exchangeable copper tip	65 watts	10	
40	Knife folded stainless steel	150mm	10	
41	Tong tester (clamp on multi meter)	0-10-30 amps 0-500 v	5	
42	Voltmeter, AC/DC portable precision grade Digital Panel board type	0 to 500 volt	5	
43	Ammeter, AC/DC portable precision grade Digital Panel board type	0 to 30 amp	5	
44	Megger	1000v	5	
45	Wattmeter multi-range up	1 KW portable type housed in a wooden box with antiperalex mirror scale	1	
46	Multi meter digital type	Digital Multi Meter 3.5 digit Measuring Ranges: Voltage: 1000V AC/DC – Over voltage up to 1200V continuous Current: 300 $\mu$ A to 10 A AC/DC range Fuse Protected, Resistance: 20 M $\Omega$ or better, Capacitance: 30 $\mu$ F, Frequency: 100 K Hz or better Temperature, Diode and Continuity Testing. Duty Cycle Basic Accuracy 0.25% or better of measured value Facility of storage of MIN/MAX values, compensate the lead resistance, Blown fuse indication, Auto Off, “Continuous ON” feature in long duration measurement, Auto/ Manual range selection	5	
47	Tenon saw	250 mm	5	
48	Firmer chisel	6,12,25mm	2	
49	Rawal plug tool	6 mm	2	
50	K.W. meter	0 -1 K w	4	
51	Fire extinguisher	ABC dry powder type 2 kg capacity	1	

52	D.E spanner	6-32 mm .forged steel chromium plated made of chrome vanadium steel chrome polished make any reputed co. /ISO certified co.	5	
53	Ring spanner	6 -32 mm .forged steel chromium plated made of chrome vanadium steel chrome polished make any reputed co. /ISO certified co.	5	
54	Diagonal cutter	15 cm	5	
55	Service Oscillator		1	
56	C.R.O Single beam	5 MHZ	2	
57	C.R.O Dual trace/ Double beam	60 MHZ	2	
58	A.F.O Oscillators	A.F. Oscillator Operating modes: sine, square, triangle, Dc free running, with or without DC offset, Freq. range: 0.1Hz to 1MHz on microcontroller based with <0.1%/h frequency stability, Wave form characteristics: sine wave distortion: 0.1Hz to 1 MHz, Sq. wave risetime: max. 70 ns, overshoot 5%, triangle non linearity: 1%, Freq. counter: freq. range: DC to 50MHz, resolution: 1Hz, sensitivity: 0.5V, Outputs: Impedance: 50 /600 , voltage: Max 15Vpp into 50 , 30Vpp open circuit, Attenuation: 2 steps -20dB each, Ampl. flatness: sine/triangle with 50 termination 0.1Hz to 1MHz, Trigger output: TTL more than 4V, FM Input/ External Sweep- Freq. change: 1:100, Input imp.: 100K    25 pF, mains supply: 220	2	
59	Tong, Close mouth and pick up		1	
60	Welding table for gas/Arc	1200x760	1	
61	Flaring tool set, single type for tube.	4.7mm to 16mm O.D	5	
62	Swaging tool, punch type, set of size for tube.	4.7mm to 16mm O.D	5	
63	Swaging tool, screw type with adaptor set of size for tube	4.7mm to 16mm O.D.	5	

64	Bending spring external type, for copper tube	3mm to 16mm DIA	5	
65	Pipe cutter miniature for copper tube	3mm to 16mm DIA	5	
66	Pinch of tool, for copper tube,	6mm to 18mm DIA	5	
67	Ratchet spanner of	6.4 sq.mm reversible	5	
68	Capillary plug gauge		5	
69	Piercing pliers & reversing valve with access fitting	6-18mm	5	
70	Spanner double ended	4.7mm to 16mm	5	
71	Ring spanner off set	4.7mm to 16mm	5	
72	Wrench adjustable	length 150mm	5	
73	Wrench adjustable	length 200mm	5	
74	Wrench adjustable	length 250mm	5	
75	Valve key handle[Treated as consumable]	- 4.7mm & 6.4mm sq.	5	
76	Pressure gauge Digital type	diameter 63mm with recalibration set	5	
77	Compound gauge, Digital type	diameter 63mm, with recalibration set screw, scale vacuum 76mm. Pressure 15 Kg/sq.cm	5	
78	Service man thermometer in metal case	- 30 C to +30 C	5	
79	Scissor, gasket cutting stainless steel	length 25mm	5	
80	L-Allen key	set size 1.5mm to 6.4mm	5	
81	T-Allen key set	size 5/32" to 1/8"	5	
82	Pipe cutter with built in reamer and space cutter, for copper tube	3mm to 32mm	5	
83	Pipe /Tube bender lever type	3-16 mm	1	
84	Spanner double ended	19mm to 31.8 mm	5	
85	Pipe wrench	size 50mm to 150mm	5	
86	Gas leak detector for halogen gas		5	
87	Sling psychro meter mounted on aluminum back,	scale 50 C to +50 C	5	
88	Lapping plate	250mm x 200mm	2	
89	Hammer ball peen	450 gms Drop Forged Steel Induction Hardened. Lacquered Head Seasoned Wood Handle. Polished Hitting Face.	5	

90	Puller 3 legged with flexible arm	300mm	5	
91	Hand blower portable complete	1/10 HP	2	
92	Spirit level precision metallic	200mm	2	
93	Stop watch		2	
94	Tap set with matching drills	3 mm to 16mm	3	
95	Tap set with matching drills	¼" to 5/8"	3	
96	Refrigerant cylinder	2.5 Kg	3	
97	Vernier caliper	length 250mm	2	
98	Micrometer outside measurement	0 to 25mm	2	
99	Heating kit with infrared bulb	(200 w capacity)	2	
100	Plumbing hammer weight	200 gm	2	
101	Multi meter analogue type	Sanwa/Mastech brand minimum Sanwa P3 spec.	5	
102	Tachometer digital, multi	range 0 r m p to 3000 r m p. Portable small size in leather case	2	
103	Micron vacuum gauge	capable of reading up to 20 microns	2	
104	Sensor thermometer (digital)	-50 degree Celsius to 150 degree Celsius	2	
105	Fin straightened/fin comb.	With strong steel wire based combing on wood	3	
106	Filler gauge	0.05 mm – 1 mm	3	
107	Wire gauge metric and with worth	Steel plate embossing converse of British & Metric	2	
108	Dial thermometer remote control, armored capillary dial	75mm – 50C to +50 C	3	
109	Anemometer	Digital type	1	
110	Compressors testers for small hermetic compressors	Fixed with electrical input/output indicating facilities	2	
111	Engineers square	150mm with 5' tolerance	5	
112	Digital thermometer [Treated as consumable]	Graduated disc analogy type	1	
113	Temperature & Humidity recorder	Capacity to record 24 hrs record	1	
114	Instrumentation screw driver set	100mm	5	
115	Digital weighing machine	100 kg	1	
116	Cylinder 134a	5 kg.	1	
117	Split phase induction motor	¼ hp, 230 V	1	
118	Capacitor start induction motor	½ Hp, 230 V	1	
119	AC 3 Phase motor, 400/50 Hz	2 Hp	1	



120	Star delta starter	2 hp	1	
121	Auto Transformer starter	3 hp	1	
122	D.O.L Starter	2 hp	1	
123	Portable air – LPC brazing kit	2 kg. LPC cylinder, torches, houses, stand make	1	
124	Oxy-acetylene welding set complete	cylinders, regulators welding torches with difference nozzles	1	
125	Refrigerator	165L carrying with HFC-134a, & HC	2	
126	Frost free refrigerator	200L carrying with HC blend	2	
127	Three/four door refrigerator	300L carrying with HC R-600a	2	
128	Bench Drilling machine	20 mm capacity, 200-2500rpm	1	
129	Grinding Machine	200mm, 3000rpm, Double ended 1/2 hp	1	
130	Evacuating and refrigerant charging station, consist of as per Specification	(CAP. 2 kg. In lieu of (b) above and with accuracy of +/-1 g for charging hydrocarbons)	1	
131	Two stage rotary vacuum	capacity approx. 60 –	1	
132	pump	10rpm capable of evacuating to 50 microns of Hg and fitted with gas ballast anti such back valve and single phase motor		
133	Air compressor,	two stage for oil – less dry air, with rush proof tank assembly, heater and controls max. pr. 10 kgs /sq.m Capacity 45 ltr. Motor 1 hp.	1	
134	Reciprocating compressor	provision of capacity control etc. for demonstration. Capacity 2 ton open type.	1	
135	Dry N2 in cylinder	2 stage regular or commercial N 2 in cylinder with drier unit and 2 stage regular 7meter cube	1	
136	Window A.C	1 Ton with R-22 or HFC Blend reciprocating compressor	2	
137	Split A.C	1.5 Ton with R134a or R-22 reciprocating compressor	2	
138	Duct able split A.C 1.5 ton	1.5 Ton with R134a or R-22 reciprocating compressor	1	
139	Recovery unit with cylinders	CFC & 134 a	1	
140	Cassette Air conditioner	4500 kcal/hr	1	

141	De scaling pump set	with stainless steel impeller and housing complete with motor 1/2 hp and accessories	1	
142	Fan coil unit	with water valves (2 & 3 way)	1	
143	Shell and tube, DX chillers (small)	5 Ton with Cu tubing only	1	
144	Circulating water pump (small)	0.5 H.P with stainless steel tank capacity 20 liters within let/ outlet	1	
145	Shell and tube type condenser	5 Ton	1	
146	Rotary hermetic compressor	2 Ton	1	
147	Screw compressor	5Ton fitted with electric motor to rotate compressor	1	
148	Bottle cooler visible	200 L carrying with HFC-134a& reciprocating compressor	1	
149	Deep freezer	200 L carrying with HFC-134a& reciprocating compressor	1	
150	Water cooler storage type	200 L carrying with HFC-134a& reciprocating compressor	1	
151	Ice candy plant	2 ton with capacity to make 32 ice candy at a time with Forma tray, stainless steel tank on trolley	1	
152	Air-conditioning, direct and indirect system.	Complete with all controls including humidity control capacity 15000Kcal/hr	1	
153	Package A/C	5 ton capacity, Air cooled type with open type compressor reciprocating type	1 no	
154	Car A.C components(full kit) as per Specification		1 set	
155	CAR AC tutorial model		1 set	
156	Class room table	one table for each trainee size 2.5 provision with open rack frame square conduit of 1" top 1/2" sunmica ply board	10	
157	Work bench	2000x1000x700mm with 2" pipe frame top with teak slab and fixing with 3/4" good quality rubber sheet	6	
158	Almirah	195x90x48cm outer sheet 20 swg inner paration with four selves of 22 swg	4	
159	Lockers	195x90x48 cm set six lockers in one structure	2	

160	Glass board portable	2.5'x4' with stand	2	
161	Instructors table	4'x2'x2.5' with steel tubular frame & sun mica top	1	
162	Instructors chair	standard revolving with wheel	1	
163	Computer table	standard with drawers & self to accommodate UPS & CPU	1	
164	Computer chair	revolving type metal based & metal wheel stadard one	1	
165	White board	4'x3' ferrous base sheet to hold magnetic duster wth white finish surface	1	
166	Chart stand	6'x3' providing with hanging clip top & bottom plate	1	
167	Cmputer latest version with printer	DDR-III- 1333 Mega Hz , GB 6, hard disk - 1 terabite, processor- 15 second generation, laser get , LED monitor 32"	1	
168	LCD Projector / LED / LCD TV	Big size	1	
169	Laptop	Latest version	1	
170	UPS	650VA	1 set	
171	Stool	2'x15'	10 no	
172	Book Shelf with glass	6'x3'	1 no	
173	Storage rack	6'x3'	2 no	
174	Storage Self	6'x3'	2 no	

## Trade of Cutting & Sewing

S.No.	Name of Items	Qty	Rate
1	Scissors 25 cm	17	
2	Pinking Shears	5	
3	Tailors Square - Plastic	17	
4	Leg Shaper - Plastic	17	
5	Measuring Tape 150 cm	17	
6	Seam Ripper	17	
7	Thimble	17	
8	Tailor's Card Scale Triangular	17	
9	French Curve Set of three	17 Set	
10	Garment Hangers	4 set	
11	Screw Driver Set	4 set	
12	Table Sharpener	4	
13	Pressing Table	5	
14	Blanket for padding of Pressing Table	5	
15	Rubber mat (Size as per requirement)	5	
16	Sprayer	5	
17	Waste Bin Big / Small	10	
18	Pattern Punch	5	
19	Pattern Notcher	5	
20	Pattern Hanging Stand	4	
21	Water Tub 60 cm dia	1	
22	Stand for hanging dresses	5	
23	Trial room with 3 side mirrors of size 150 cm X 60 cm each with arrangements of hanging Dresses	1	
24	Electric Automatic steam press	5	
25	Sewing Machine - Single Needle Lock stitch Industrial model	16	
26	Over Lock Machine 3 Thread	1	
27	Zig Zag Multi Purpose Machine	1	
28	Double Needle Machine	1	
29	Button Hole Machine	1	
30	Button Sewing Machine	1	
31	Bar Tack Machine	1	
32	Feed off the arm Double Needle	1	
33	Machine attachments	17	
34	Chairs with low back rest or stools for the machines	16	
35	Drafting Table	8	
36	Display Board Covered with glass or Acrylic Sheet 120 X 90 cm	2	
37	Steel Almirah 195 X 90 X 60 cm	2	

38	Pigeon hole Almirah 10 lockers & separate locking arrangements for trainees	2	
39	Locks for above pigeon hole	16	
40	Wall Clock	3	
41	Calculator Desk Type	1	
42	White Board with accessories (size as per requirement)	2	
43	Dummy Lady (different size)	2 each	
44	Single desks for trainees with arrangements of keeping Books etc.	16	
45	Revolving Chairs without arms	16	
46	Faculty Table & Chair set	1	
47	Computer set with UPS & multimedia projector	1	
48	Audio address system	1	
49	White Magnetic Board with Felt board & accessories	1	
50	Display Board	2	
51	Storage Almirah	1	
52	Book Shelf	1	
53	A/C unit split type 2 TR capacity with Stabilizer	1	
54	Thread Cutter	17	
55	Scale Plastic 24"	17	

## Steno Hindi

S. No.	Name of the items	Quantity
1	d{kk dk Quhpj	M; w M.d 15
2	dEl; Wj Vcy fjokfYoæ ps j ds l kfk	21
3	ekbØkQksu fl LVe	1
4	vk/kfud ekMy ds dEl; Wj	21
5	ysj VW	1 uEcj
6	yst j fi ðj	1 uEcj
7	fi ðj Vcy	2 ucj
8	XyTM ogkbV eSufVd ckMZ 8x4	2 ucj
9	bySDV'd ckM	1 uEcj
10	i f' k{k. kkfkz; la grqykdl l 1/2ckg; rkyks l fgr 1/2	2 ucj
11	cdl dñ	2 ucj
12	LVhy vyejkh	2 ucj
13	eVhi y Qhpl l Qks/ks dkfi ; j Quhpj l fgr	1 uEcj
14	; ði h0, l 0 500 oh, 1/2dM; Wj grt	21
15	QDI e'khu	1 uEcj
16	Vhy fdV 1/2gM VWI 1/2	2 ucj
17	, ; j dM'h' kuj 2 Vu l hohVh l fgr	2 ucj
18	ckMZ ckM duD'ku vFkok okbz Qkbz l fo/kk	1 uEcj
19	, y0l h0Mh0 i kst DVj , oa , y0b0Mh0 Vh0oh0 36^	1
20	, lyhd'sku l kQVos j 1/4 e0, l 0 vkfQI , t p's kuy ot 1/2	21
21	, s/hok; l j 1/2ohure 1/2	21
22	LDSj	1 uEcj
23	i kst DVj	1 uEcj