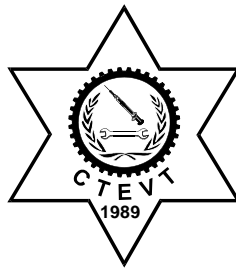


**MINIMUM REQUIREMENTS**

**FOR**

**PROFESSIONAL PLUMBER 1696 HOURS**

**PROGRAMME**



**Council for Technical Education and Vocational Training**

**Polytechnic Division**

**Sanothimi, Bhaktapur**

**NEPAL**

**2076**

k|fljlws lzIff tyf Jofj;flos tfnLd kl/ifb\ lgodfjnL 2051 sf] kl/R%]b  
5 cGtu{tsf] 17, 18, 19, 20, 21, 22, 23 / 24 df Joj:yf eP cg";f/  
lghL :t/df ;+rflnt k]zful KnDa/ 1696 #)^f %f]^f] cjlwsf] sfo{qmd  
;+rfng ug]{ ;+yfx?n] k'/f ug"{ kg]{ k'jf{wf/x?M

### 1= cfj]bgM

1=1 :jLs[ltsf] nflu lgj]bg lb+bf kl/ifb\n] tf]s]sf] (f+rfsf] kmf/fd eg"{ kg]{% . pQm kmf/fd kl/ifb\ sfof{noaf^ tf]lsPsf] b:t"/ afktsf] /sdsf] a}+s ef}r/ a"emfP kl% k|fKt ug{ ;lsg]% .

1=2 :jLs[lt lng vf]h]sf] ;+yf;+u ;DjlGwt lj:t[t k|:tfjgf (Proposal) / cfjZos sfuhftx? ;+nUg x"g" kg]{% . k|:tfjgdf lgDg a"+bfx?sf] lj:t[t ljj/)f pNn]v ePsf] x"g"kg]{% .

- k|:tfljt ;+yfsf] gfd .
- &]ufgf -;+yf vf]Ng] k|b]z÷lhNnf÷g=kf=÷ufp+ kflnsf/j\*f g+=, kmf]g g+=, O{d]n, j]a;fO{^\_ .
- ;Dks{ JolQmsf] gfd, &]ufgf, kmf]g g+=, O{d]n .
- sfo{qmd k|:tfljt ul/Psf] sfo{s|dsf] gfd / (f+rf .
- p@]Zo .
- ;+yfs]f kl/ro .
- sfo{qmdsf] cfjZostf klxrfg ;DaGwL tYof° .
- cfjZostf cWoog ul/Psf] tflnsf ;do / tYox? .
- nlIft ;d'x .
- k|:tfljt efjL dfgjLo hgzlQmsf] /]vfs+g .
- egf{ Ifdtf ;DaGwdf .
- sfo{qmddf egf{ x"gsf] nflu Go'gtd cfwf/x? .
- sfo{s|dsf] ;do cjlw .
- kf&\os|d ;DaGwL hfgsf/L .
- k|lzIfsx?sf] Joj:yf .
- k|:tfljt tfnLd sfo{s|dsf] nflu cfjZos kg]{ ef}lts k'jf{wf/x? .
- z}lifs ;fdfu|L, k|of]uzfnf ;fdfu|L / k|of]uzfnfsf] Joj:yf jf/] .
- cfly{s k|:tfjgf .
- k":tsfnosf] Joj:yf
- ;+yfxsx?s]f gfdfjnL .
- ;+yfsf] sd{rf/L ;+u&g tflnsf .
- sfo{qmd ;+yf ;+rfng ug]{ JolQmx?sf] gful/stf k|df]f kqsf]] k|ltlnk .
- k|:tfljt sfo{qmd ;+yf JolQmn] ;+rfng ug]{ jf ;+yfn] ;+rfng ug]{ v"nfpq" kg]{ .

2= ;+yf :jLs[lt lb+bf ;+yf ;DaGwg z"Ns afkt kl/ifb\n] tf]s] cg";f/sf] z"Ns kl/ifb\s] a}+s vftfdf hDdf ug"{ kg]{ % .

### 3= k|lzIffyL{ egf{ ;DjGwL zt{ / k|lqmf (Criteria and Procedure)

3=1 k|lzIffyL{ egf{ ;DaGwL cfjZos Go'gtd of]Uotf / k|lqmf  
kf&\oqmdf pNn]v eP adf]lhd x"g" kb{% .

3=2 o; sfo{qmdf Pp^f ;d'xdf k|lzIffyL{ ;+Vof 20 -aL;\_ hgf eGbf j(L  
egf{ ug{ kfOg] %}g .

k|of]ufTds / ;}\$flGts sIffx?df k|lzIffyL{ ;+Vof b]xfo adf]lhd  
dfq /fVg ;lsg]%

- Ps ;d'xdf 20 -aL;\_ hgf k|lzIffyL{x? /fvL ;}\$flGts sIff  
;~rfng ug"{ kg]{% .
- Ps ;d'xdf a(Ldf 10 hgf ;Ddsf] k|lzIffyL{x?sf] dfq  
k|of]ufTds sIff ;~rfng ug"{ kg]{% .

#### 4= kf&\oqmd

4=1 ;DaGwg lng rfxg] ;+:yfn] CTEVT sf] kf&\oqmd dxzfzvfaf^ kfl/t  
u/]sf] kf&\oqmd cg";f/ tfnLd sfo{qmd ;+rfng ug"{ kg]{% .

4=2 s"g} klg sfo{qmdsf] gfd ;dfg zAbx? /flv kl/jt{g ug{ kfOg] %}g .

#### 5= cfly{s kIfM

5=1 ;DaGwg k|fKt ug{ rfxg] z}lIfs ;+:yf cfly{s ?kdf ;jn x"g" kg]{% .

#### 6= ejg tyf k'jf{wf/x?

sfo{s|d ;+rfng ubf{ Ps ;d'xdf j(Ldf 20 -la;\_ hgf k|lzIffyL{x? /fvL  
;}\$flGts sIff ;+rfng ug"{ kg]{% . oxf+ pNn]lvt k'jf{wf/x?sf] ;'rL Ps  
;d'x -20 hgf k|lzIffyL[\_ sf] nflu cfjZos kg]{% .

**6=1 ejg** **M** sIffsf]&f, clkm;; k|of]uzfnf / k":tsfno nufot  
;a ; "ljwfsf nflu ;"/lIft, e'sDk k|lt/f]ws  
ejg x"g" kg]{% . ax'tn] -w]/} tNnf ePsf]\_ ejg  
ePdf yk sfo{qmdsf] nflu hUuff yk gePklg  
;~rfng ug{ ;lsg] % .

**6=2 sIff sf]&f** **M** k|lt k|lzIffyL{ 0=75 ju{ ld^/sf] b/n] sIff  
sf]&f x"g" kg]{% . sIff sf]&fdf k|lzIffs /  
k|lzIffyL{sf] nflu cfjZos ^]jn, \*]S; tyf  
s"rL{sf] Joj:yf x"g" kg]{% .

**6=3 k|of]uzfnf÷js{;kM** k|of]uzfnf 20 hgf k|lzIfffyL{sf] nflu kof{Kt  
x"g" kg]{% .

**6=4 k":tsfno sIf** **M** tfnLd sfo{qmdsf] nflu rflxg] cfjZos  
kf&\ok":tsx?, Training Manuals sf] Joj:yf ;lxtsf]  
k":tsfnosf] Joj:yf x"g" kg]{% .

**6=5 k|lzIffs sIf** **M** k|lzIffsx?sf] nflu cWoog / k|lzIf)f tof/Lsf]  
nflu k|lt k|lzIffs sDtLdf 2=0 ju{ ld^/ If]qkmn  
pknJw x"g] sfo{ sIfx? x"g" kg]{% .

**6=6 k|frfo{ sIf** **M** ;+:yfdf k|frfo{sf] nflu %"^^"} sfo{ sIffsf]  
Joj:yf x"g" kg]{% .

**6=7 k|zf;g÷;f]wk"% sIfM** ;+:yfdf n]vf/k|zf;g sIf ;fy} k|lzIffyL{,  
cleefjs / cGo ;/f]sf/jfnfx?nfO{ ;]jf lbg  
;f]wk"% sIf %"\$} x"g" kg]{% .

**6=8 zf}rfno** **M** k|lzIffs, sd{rf/L / k|lzIffyL{sf] nflu dlxfn /  
k'?if %"\$f %"\$} x"g] u/L 1M20 sf b/n]  
zf}rfnosf] Joj:yf x"g" kg]{% .

**6=9 vfg]kfgL** **M** vfg]kfgLsf] nflu Water Filter/ Euro Guard or Equivalent  
Water Purifier sf] Joj:yf x"g" kg]{% jf z"\$ lkgp]  
kfgLsf] Joj:yf x"g" kg]{% .

6=10 rd]gf u[x M ;+:yfdf sDtLdf 20 hgfn] vfg;Sg] &fp+ (Dining Room) ePsf] rd]gfu[x x"g" kg]{% . -20 ld^/sf] j/Lk/L ePsf] rd]gf u[ xsf] ;Demf}tf u/L k|of]u ug{ ;lsG% . \_

6=11 k|fylds pkrf/ sIf M ;+:yfdf Ifl]fs tyf cfktsfnLg :jf:Yo ;]jfsf nflu rflxg] cf}ifwLx?sf] Joj:yf x"g" kg]{% ;fy} dlxnf k|lzIfyL{x?sf] nflu dlxgfjf/Lsf] ;dodf ;]lg^/L Kof\*sf] Joj:yf x"g" kg]{% .

6=12 sfo{qmd ;DaGwgsf] nflu lgj]bg lbPsf ;+:yfx?n] sfo{qmdsf] nflu cfjZos ejg tyf cGo k'jf{wf/x? tof/ ug" { kg]{% .

**7= sIff sf]&fx?M**

kf&\oqmddf pNn]v eP adf]lhd o; sfo{qmdsf] nflu ;}\$flGts sIff sf]&f tyf k|of]ufTds sfo{zfnfsf] Joj:yf ubf{ 20 hgf k|lzIfyL{sf] nflu b]xfo cg";f/sf] Joj:yf x"g" kg]{% .

qm=; =	lj j/)f	sf]&fsf] Go'gtd If]qkmn -ju{ lkm^_	sf] &f ;+V of	s]lkm ot
1=	;}\$flGts sIff sf]&f	162 ju{ lkm^ (0.75 sqm/student)	1	
2=	a]Gr sfo{+KnlDaé sfo{zfnf	430 ju{ lkm^ (2 sqm/student)	1	
3=	Brickwall sfo{zfnf sIf -slDtdf right angle wall 5'X4' / prfO{ 8' ePsf] k lt b"O{ JolQmnfO{ x"g"kg] {_	560 ju{ lkm^ Wall sf] If]qkmn	1	

gf]^M dfly pNn]lvt sf]&fx?sf] If]qkmdf pks/)fx?sf] nflu cfjZos kg]{ :^F]/sf] If]qkmn ;dfj]z %}g .

8= k|lzIfs sd{rf/Lsf] Joj:yf M tfnLd sfo{qmdnfO{ :t/o"Qm agfpg / u")f:t/ sfod ug{ ;+:yfnfO{ cfjZos kg]{ k|frfo{, k|lzIfs / sd{rf/Lx?sf] Joj:yf b]xfo cg" ?k x"g"kg] {% .

8=1 Ps lbgdf ;}\$flGts÷k|of]ufTds u/L 7 lk/Lo\*sf] sIff ;+rfng ug" { kg]{ / k|To]s lk/Lo\* 50 ldg]^sf] x"g" kg] {% .

8=2 k|lzIfyL{ k|lzIfs cg"kft b]xfo cg";f/ x"g" kg] {% .  
;}\$flGts sIff 20M1  
k|of]ufTds 10M1

8=3 ;+:yfsf] nflu k|lzIfs - 1, ;xfos k|lzIfs÷k|lzIf)f ;xfos - 1 x"g" kg] {% .

8=4 ;+:yfsf] nflu cfjZos k|frfo{ -k|d"v\_, k|lzIfs, sd{rf/Lx? k')f{sflng (Full time) ;]jf sf]nflu x"g" kg] {% .

8=5 ;+:yfsf] nflu cfjZos k|lzIfsx?sf] of]Uotf kf&\oqmddf pNn]v eP adf]lhd x"g" kg] {% .

8=6 cGo s"g} ;+:yfdf sfo{/t JolQmnfO{ k')f{sflng k|lzIfs tyf sd{rf/Lsf] ?kdf sfddf /fVg kfOg] %}g .

9= k|zfg tkm]M



<b>S.N.</b>	<b>Items</b>	<b>Size / Specification</b>	<b>Quantity</b>	<b>Unit</b>
	(hot plate)			
28.	Cable drum	10 m	2	No.
29.	PE Saw Guide	wooden	2	No.
30.	Blow lamp		1	No.
31.	PPR heating machine		2	No.
32.	Bench vice		10	No.
33.	Plastering trowel	small	5	No.
34.	Plumbob		5	No.
35.	Line & pins		5	No.
36.	Back square	12"	5	No.
37.	Cleaning brush	4"	5	No.
38.	Gas cylinder	cooking	1	No.
39.	Wooden saw	18"	5	No.
40.	Adjustable wrench	12"	5	No.
41.	Screw driver (+/-)		5/5	Set
42.	Center punch	-	1	No.
43.	Scissors (left & right)	10"	2	No.
44.	Basin wrench		1	No.
45.	Chisel (cold)		1	No.
46.	Remer		1	No.
47.	Level pipe	10 mm	20	mtr
48.	Water pump pliers	10"	2	No.
49.	Miter saw		1	No.
50.	Hand grander	4"	2	No.
51.	Personal perfective equipment (PPE )		20	Set
52.	Brick axe	6"	1	No.
53.	Tool box		10	Set
54.	Table (wooden)	5" X 3"	10	No.
55.	File brush		5	No.
56.	Combination plier	8"	5	No.
57.	Teflon cloth	1' X 1'	4	pcs
58.	Thermo chrome chalk		5	No.
59.	PPR pipe cutter		5	No.
60.	Steel pan (karai)	300 mm	3	No.
61.	Varnial calipers	8"/9"	1	No.
62.	Bucket		2	No.
63.	Moter pan		1	No.

**12= lkmN\* cEof;sf] nflu :yfg / k|lzIfssf] Joj:yfM**

```
tfnLd sfo{qmd;+u ;DalGwt k|of]ufTds tfnLdsf] nflu :yfg tyf ;DalGwt
lgsfox?sf] ;]jf d"ns ;+:yfx?sf] %gf]^ ubf{ k|lzIffyl{nfO{ kof{Kt
!fg / ;Lk cfh{g ug{ ;Sg] cj;/ k|fKt x"g] ;+:yfx?nfO{ k|fyldstf lbg"
kg]{ / sfo{ut tfnLdsf] xsdf To:tf lgsfox?sf] %gf]^ tyf ;Demf}tf u/L
kl/ifb\nfO{ clu|d hfgsf/L lbg" kg]{% . tL :yfgx?df k|lzIffyl{x?nfO{
k|of]ufTds/sfo{ut tfnLdsf] nflu k&fp+bf cg"udgsf nflu ;DalGwt
ljifosf k|lzIfsx?sf] Joj:yf ug"{ kg]{% .
```

**13= ;~rfns ;ldltsf] u&gM**

```
;+:yf ;~rfngsf] nflu Ps ;~rfns ;ldlt u&g ug"{ kg]{% . ;~rfns
;ldltsf ;b:ox? dWo] slDtdf 40 k|ltzt ;b:o ;DalGwt ljifosf] lj! x"g"
kg]{% . ;+rfns ;ldlt u&g eO;s]sf] cj:yfdf yk sfo{qmdsf] nflu csf]{
u&g ug"{ gkg]{ .
```

**14= ladf tyf ;"/Iffsf] Joj:yfM**

```
;+:yfn] ;+:yfdf sfo{/t k|lzIfs, sd{rf/L tyf k|lzIffyl{x?sf] b"#{^gf
ladfsf] Joj:yf ePsf] x"g" kb{% . k|of]uzfnfdf k|of]ufTds cEof; ubf{
cfjZos kg]{ ;"/Iffsf ;fdfgx?sf] clgjfo{ Joj:yf x"g" kg]{% .
```

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