



ՀՀ Կրթության և գիտության նախարարություն

Իրավաբանական օգնություն 2005

Երևան

**ՀՀ Կրթության և գիտության նախարարություն
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fo'k; l ph

d 0	"kh'kd	i'B l[;k
1	f l pkb foHkkx d fd;k dyki $\frac{1}{4}$, fDVfoVh t $\frac{1}{2}$	191
2	f l pkb foHkkx] mUkjk[k.M dk f l Vh tu pkVj	192
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euvy & 4

dr;k d fuogu d fy; LFkkfir ekud@fu;e

mRrjk[.M flpkb foHkkx e fofHkUu idkj d fuEu fd;k dyki $\frac{1}{4}$, fDVfoVht $\frac{1}{2}$ g&

- 1- in'k d ty l l k/kuk dk mi;kx] ftle ugjk o uydik l flpkb l fEefyr gA $\frac{1}{4}$ flpkb ugjk ,o uydik dk fuek.k ,o j[kj[kko $\frac{1}{2}$
- 2- flpkb dk;k dk fu;ktu] fuek.k ,o j[kj[kko ftle ck/k] unh] i'r] ufn;k d Vfux dk;] i fEix rFkk fy¶V ugj l fEefyr gA
- 3- ty fo|r dk fodkl ftle ty fo|r ifj;ktukvk dk fu;ktu] fuek.k rFkk j[kj[kko l fEefyr gA
- 4- ck< fu;=.k ,o ck< cpko dk;
- 5- ty fo|r ifj;ktukvk d ty l;=k dk Qfcd'ku rFkk yxkukA
- 6- flpkb jk tLo dk fu/kkj.kA
- 7- ifjdYi ,o 'kk/k d dk;A
- 8- vf/kdkfj;k@depkfj;k dk if'k{k.kA

mijkDr leLr fd;kdyki $\frac{1}{4}$, fDVfoVht $\frac{1}{2}$ flpkb foHkkx e cgr io l LFkkfir ekudk@fu;ek d vulkj dj; tkr gA flpkb foHkkx dk vkjHk mUuhloh 'krkCnh d vkjHk e gvk FkkA

de l[;k 1]2]3]4 o 5 d fd;k dyki Hkkjrh; ekud C;jk d dKM] flpkb foHkkx dh fof'kf"V;k rFkk rdudh iLrd o tuYl vkfn e LFkkfir ekudk d vulkj dj; tkr gA

de l[;k&6 ij vfdr fd;k dyki duky ,.M Mut vf/kfu;e 1873] uydi vf/kdu;e 1936] vkb0,e0vk0 rFkk le;≤ ij fuxr 'kk lukn'kk e LFkkfir ekudk d vulkj dj; tkr gA

de l0&7 ij vfdr fd;k dyki Hkkjrh; ekud C;jk d lcf/kr dKM] ikfof/kd iLrd] tuYl] ikfof/kd idk'ku vkfn e r; ekudk d vulkj dj; tkr gA

de l0&8 ij vfdr fd;kdyki lcf/kr 'kk lukn'kk e LFkkfir ekudk d vulkj dj; tkr gA

**f l pkb foHkkx] mÙkj[k.M
dk f l Vh t u pkVj**



**mÙkj[k.M “kk l u
ngjknu
t ykb 2007**

f l p k b f o H k k x] m ù k j k [k . M d k / ; ;

**m ù k j k [k . M j k T ; d d ' k d k d k f l p u d f y ; t y
m i y C / k d j k u k , o A t k d f y ; f o f H k U u t y f o | r
i f j ; k t u k v k d k t k u i n ; k f = d h l c / k h i c U / k u A**

f l p k b f o H k k x] m ù k j k [k . M d e [; m í ” ;

- U k g j k , o x y k d f u e k . k , o j [k j [k k o d k ; A
- U k y d i k , o f y ¶ V f l p k b i f j ; k t u k v k d f u e k . k , o j [k j [k k o d k ; A
- C k k < l j { k k i f j ; k t u k v k d k f u e k . k , o j [k j [k k o d k ; A
- T k y f o | r i f j ; k t u k v k d v u l / k k u , o f u ; k t u] f u e k . k , o j [k j [k k o d k ; A
- T k y l l k / k u , o t y f o | r l j p u k v k d i f j d Y i u , o “ k k / k l c / k h d k ; A
- T k y l l k / k u , o t y f o | r i f j ; k t u k v k d g k b M k e d f u d y l ; = k d k Q f c d ” k u , o b j D ” k u d k ; A
- v f H k ; U r k v k d f y ; i f ” k { k . k , o i R ; k L e j . k d k ; d e d k v k ; k t u A

f l V h t u p k V j

mÜkj[k.M jkT; e flpkb foHkkx }kjk inku dh tku okyh e[; lok ugjk ,o uydik d dek.M {k= e d'kdk dk foHkUu Qlyk d ekud vulkj flpkb gr lLrh njk ij ty miyC/k djuk g ft l l d'kd viuh mit c<kdj [k"kgky gk l d rFkk in"k ,o n"k dk LokoyEch cuk l dA

1. lok dk ekud ,o le; lhek

d'kdk dk vk l kuh ,o le;c) rjhd l i;klr ek=k e ikuh miyC/k djku gr lcl igy iR;d ugj i.kkyh d "kh" ij fiNy 10 o'kk e ty miyC/krk d vk/kkj ij U;ure 75 ifr"kr ty dk fu/kkj.k fd;k tkrk gA rnulkj ,d le;c) flpkb lok dk vuekfur dk;de ¼jkLVj½ fu/kkfjr ik#i ij i.kkyhokj o'k e nk ckj ¼jch vkj [kjhQ½ fu/kkfjr fd;k tkrk gA bldh lgefr @vueknu ftykf/kdkjh@e[; fodkl vf/kdkjh] df'k foHkkx ,o lekn" {k= d vf/kdkjh] v/kh{k.k vfHk;Urk d l kFk&l kFk flpkb lykgdkj lfefr rFkk tuin flpkb cu/k l fy;k tkrk gA jkLVj dk vueknu gku d i"pkr gh bl fd;kUo;u gr Niok;k tkrk gA

jkLVj Nioku d i"pkr Qly d "k# e gh bldk l Hkh lcf/kr l k l nk fo/kk;dk] Cykd ie[kk ,o [k.M fodkl vf/kdkjh d ek;/e l l Hkh i/kkuk dk Hk t fn;k tkrk g rkfd dk"rdkjk dk ijh Qly e miyC/k dj; tku oky ikuh d ckj e tkudkj gk l d vkj rnulkj fd l ku viuh Qlyk dk fu;kftr dj l dA bl jkLVj dk [k.M fodkl vf/kdkjh d n"rj] rglhy vkfn e Hkh pLlk fd;k tkrk g rFkk ftykf/kdkjh] e[; fodkl vf/kdkjh] ftyk df'k vf/kdkjh vkfn dk Hkh Hk t k tkrk g ft l l fd bldk 0;kid i l k.j k gk l dA

flpkb d i"pkr flfpr {k= dk lhpiky nt djr g rFkk bldh iekb" vehu }kjk dh tkrh gA vehu iekb" dju l igy xke ipk;r ij pLlk dh tku okyh ukfVI d ek;/e l dkLrdkjk dk iekb" dh tku okyh frfFk dh lpuk nr gA bldh lpuk lcf/kr rglhynkj dk Hkh nh tkrh g rkfd iekb" d le; LFky ij y[kiky Hkh miyC/k jgA dk"rdkjk l vi{kk dh tkrh g fd o iekb" d le; Lo; mifLFkr jg vkj ;fn [kr dk nt djku e dkb Hkh xyrh jgh gk rk ml bfxr dj rkfd mldk fuLrkj.k mlh le; fd;k tk l dA iekb" d i"pkr dk"rdkjk dk iph Hk th tkrh g ft le mudk flpkb d ckj e lpuk nh tkrh g rFkk d'kdk l vi{kk dh tkrh g fd ip e jdck vFkok ftUl xyr fy[kh gb gk rk vFkok flpkb Mky ¼fy¶V½ gb gk tcf d nt rkM ¼¶y½ gb gk ;k vU; dkb =v gk rk mldh lpuk fyf[kr #i l ipk feyu d rh l fnu d vUnj nA ;fn [kr ugj d ikuh l fcYdy ugh lhp k x;k g ijUr flpkb "kYd yxk;k x;k g rk bldh lpuk 21 fnuk d vUnj nA ;g lpuk; vf/k"kk l h

vfHk;Urk@ l gk;d vfHk;Urk@ mijktLo vf/kdkjh@ lcf/kr ftynkj dk nh tk
 ldrh gA bul Hkh f"kd;rk dh tkp f"kd;rk iklr gku d 15 fnuk d vUnj dh
 tk;xh rFkk rjUr bl ij fu.k; fy;k tk;xkA bldh lpuk f"kd;rdk dk Hkh
 rjUr nh tk;xhA iekb" k d i"pkr tekUnh cukb tkrh g tk jch e igyh eb
 vkj [kjH e igyh fnlEcj dk rgly Hkth tkrh g ftldh olyh rgly d
 depkfj;k }kjk dh tkrh gA mYy[kuh; g fd ;fn ikFkuki= flpkb dh nj ?kVku
 vFkok NV d fy; g vkj ;fn Qly ikFkuki= iklr djoku d 15 fnuk d vUnj
 dkV nh tkrh g rk ikFkuki= fujLr fd;k tk ldrk gA

vr% dk"rdkjk l ;g vi{kk dh tkrh g fd ;fn dkb ,rjkt gk rk ml fu/kkfjr
 le; l l{ke vf/kdkjh dk iklr dj; vkj le; dk ikyu dja

2- lok dh lfuf"prk

flpkb foHkkx turk dh lok e lno i;Ru"kh y jgrk gA foHkkx d {k=h;
 vf/kdkjh ,o depkjH gj lHko i;k l djr g fd d'kd dk jkLVj d vulkj
 i;klr ek=k e ikuh feyA jkLVj r;kj dju e ;g /;ku fn;k tkrk g fd d'kd
 dk lkeU; fLFkr e dkb ij"kuh u gk rFkk og T;knk l T;knk flpkb d ikuh
 dk Qk;nk mBk l dA ijr idfr d lkeU; 0;ogkj d fo#) fLFkr mRiUu gku]
 ikdfrd vkink ,o flpkb foHkkx d fu;=.k d ij vkdfled fLFkr;k e flpkb
 foHkkx d vf/kdkfj;k }kjk jkLVj e ifjoru fd;k tk ldrk g ftle vf/kd l
 vf/kd tul[;k d Qk;n dk /;ku e j[kr g, foodkul kj fu.k; fy;k tkrk gA
 bldh lpuk dk"rdkjk dk foHkUu L=krk l nh tkrh gA bld lkFk gh turk l
 Hkh ;g vujk/k g fd ugjk dk dkVdj cu/kk yxkdj rFkk vo/kkfud rjhd l ikuh
 u yA bl l u doy ugj {frxLr gkrh g cfYd vU; dk"rdkjk dk i;klr ek=k
 e ikuh ugh feyrkA bl idkj d vo/kkfud rjhd dk i;kx djuk] ugj iVfj;k
 dk n#i;kx djuk] ljdkjh lEifr dk ud lku igpkuk fu;ekul kj n.Muh;
 vijj/k gA df'k fo"K'kKk u ;g lkfr dj fn;k g fd Qly e mfpr le; l
 okfNr ek=k e ikuh nu l gh inkokj vf/kdre gkrh gA ;fn okfNr ek=k l
 vf/kd ikuh vFkok de ikuh fn;k tkrk g rk mRiknu e deh vk tkrh gA ikuh
 dh mfpr ek=k ,o lgh le; d fy; dk"rdkj df'k foHkkx l enn y ldr gA
 vko";drk l vf/kd ikuh ydj dk"rdkj u doy viuk ud lku djr g cfYd
 vU; dk"rdkjk dk Hkh ud lku djr g vkj bl idkj ikuh d n#i;kx l
 vutku e jk'Vh; {kfr gk tkrh gA

3- lpuk dh vk lkuh l miyC/krk & depkjHx.k dh f"K'Vrk ,o l gk;rk

bl dk foLrr fooj.k ijk&1 e fn;k tk pdk gA bld vfrfjDr ftyk Lrj ij
 iR;d egHu d f}rh; exyokj dk flpkb cu/k dh ftykf/kdkjh }kjk fu/kkfjr

LFkku ij cBd gkrh gA blh idkj eghu d iFke exyokj dk rglhy fnoI
 vk;kftr fd;k tkrk g rFkk uydi I flpkb gr Cykd flpkb cU/k] $\frac{1}{2}$ uydi $\frac{1}{2}$ dh
 Ifepr xfBr dh xb g ftldh cBd ekg e nk ckj gkrh gA bu lHkh Ifepr;k
 dk foLrr fooj.k ijk&4 e fn;k x;k gA

4- ukxfjdk d lFk fopkj foe”k

tuin e ukxfjdk d lFk fopkj ,o l>ko gr ftyk flpkb cU/k Ifepr xfBr
 dh x;h gA tuin d leLr lkl $\frac{1}{2}$ ykd lHkk ,o jkT;lHkk lnl; $\frac{1}{2}$ fo/kk;d] Cykd
 ie[k] “kklu }kj ukfer ,d ukxfjd vkfn mld lnl; gkr g rFkk bl cBd
 dh v/;{krk Hkh tuifrfuf/k djr g ,o bl Ifepr d lfpo tuin d flpkb
 foHkkx d ukMy vf/k”kk l h vfHk;Urk gkr gA bl ehvX e tuin d leLr
 vf/kdkjh $\frac{1}{2}$ vFkok mud ifrfuf/k $\frac{1}{2}$ ftudk lc/k df’k ,o flpkb l gk] mifLFkr gkr
 g ftul turk dh leL;kvk dh tkudkj yh tkrh g rFkk vkil h fopkj foe”k
 l bldk funku dju dh dk;okgh dh tkrh gA lkekU;r% tk leL;k; vkrh g
 mudk lek/kku dju dh ifØ;k uhp nh tk jgh gA

4.1 tuin flpkb cU/k

;g cBd tuin Lrj ij iR;d eghu d rrrh; 'kfuokj dk gkrh gA vkerkj ij
 d’kdk dk fuEu idkj dh leL;kvk ij ppk d mijkUr ;Fkk lHko fujkdj.k gr
 okfNr dk;okgh dh tkrh g %&

d& ugjk dh lepr lQkb dk fooj.k ,o dk;de A
 [k& ugjk dh dfvX ,o Vy rd ikh igpku dh leL;k; A
 x& jkLVj d vulkj ugjk dk pyukA
 ?k& ugjk d dykck dh 0;oLFkk lc/kh leL;k;A
 M& jkt dh; uydik d lpkyu l lcf/kr leL;k;A
 p& uydik dh cUnh dh leh{kkA
 N& flpkb “kYd fu/kkj.k lc/kh leL;k;A
 t& d’kdk l iklr vU; idkj dh f”kdk;rk dk fujkdj.kA

tuin flpkb cU/k dh cBd dk dk;or ,d iftdk e j[kk tkrk gA d’kdk dh
 futh leL;kvk ij fopkj foe”k mijkUr lek/kku gr fuf”pr frfFk fu/kkfjr dh
 tkrh gA ;g i;k l fd;k tkrk g fd iR;d cBd e mBkb xb leL;kvk ij dh
 xb dk;okgh dh lpuk vxyh cBd e fuf”pr #i l iLrr dh tk;A ftu
 leL;kvk dk lek/kku tuin Lrj ij lHko u gk] mudk fooj.k l {ke vf/kdkfj;k
 dk Hk t fn;k tkrk g rkfd mfpr Lrj ij fu.k; nu dh dk;okgh dh tk l dA

4.2 rglhy fnol

tu leL;kvk d fuokj.k gr iR;d tuin e ogk d iFke exyokj dk iR;d rglhy e[;ky; ij ikr% 10 ct l nkigj 2 ct rd rglhy fnol vk;kftr fd;k tkrk gA ;g rglhy fnol ,d rglhy e ftykf/kdkjh dh v/;{krk e vk;kftr fd;k tkrk g ftykf/kdkjh dh v/;{krk e vk;kftr rglhy fnol dk;Øe e flpkb foHkkx d vf/k"kk lh vfHk;Urk] {k= vf/kdkjh] rglhy ,o fodkl [k.M Lrjh; vf/kdkjh vfuok; #i l Hkkx yr gA mi ftyk vf/kdkjh dh v/;{krk e vk;kftr rglhy fnol e flpkb foHkkx d rglhy ,o fodkl [k.M Lrjh; vf/kdkjh vfuok; #i l Hkkx yr gA

rglhy fnol e tk Hkh leL;k; ,o f"kd;rk iklr gkrh g] mudk fuLrkj.k ;Fkk lHko ekd ij gh fd;k tkrk gA ;fn ;g lHko u gk rk mld fuLrkj.k d fy; ,d mi;Dr le; lfuf"pr fd;k tkrk g vkj bl fuf"pr le; e bl leL;k d fuLrkj.k gr vf/kdkjh Hkh fu;Dr dj fn; tkr gA rglhy fnol e tk ekey iLrr fd; tkr g mu lHkh dk ijk fjdkM j[kk tkrk g rFkk ftu ekey e dk;okgh dju dk fuf"pr le; fn;k x;k g mldk fjdkM vyx l j[kk tkrk g rkfd fu/kkfjr le; e mld fuLrkj.k dh leh[kk HkyhHkkfr dh tk l dA e.My Lrjh; vf/kdkjh iR;d exyokj dk fd lh Hkh rglhy e Hke.k djd rglhy fnol e lfefyr gkr gA

tu leL;k vkj f"kd;rk d fuokj.k gr iR;d ftyk Lrjh; vf/kdkjh vFok mudk ifrfuf/k dk;ky; d{k e mifLFkr jgrk gA iR;d dk;ky; e eydkfr;k dk ,d jftLVj fu/kkfjr ik#i e j[kk tkrk gA eydkrh dh leL;k d lc/k e ;Fkkvko";d lefpr fun"k dk;ky;/;{k }kjk viu dk;ky;@v/khuLFk dk fn; tkr gA

4.3 Cykd flpkb cu/k ¼uydi½

in"e d'kd dk vf/kd l vf/kd flpu lfo/kk miyC/k djku d ifji{; e jkt dh; uydik l lcf/kr leL;kvk dk LFkkuh; Lrj ij ;Fkk lHko fujkdj.k dju rFkk tuifrfuf/k;k o vf/kdfj;k d chp ikjLifjd lketL; ,o fopkj fofue; d mÍ"; l "kk lu }kjk Cykd Lrj ij Cykd flpkb cu/k ¼uydi½ dk xBu fd;k x;k gA Cykd ie[k] T;'B Cykd ie[k] lgk;d vfHk;Urk¼; kf=d½ uydil [k.M fodkl vf/kdkjh] dfu'B vfHk;Urk ¼jkT; fo|r fuxe½ "kk lu }kjk ukfer rhu 0;fDr bld lnL; gA lgk;d vfHk;Urk ¼; kf=d½ bld lfpo gA Cykd flpkb cu/k ¼uydi½ dh cBd Cykd e[;ky; ij Cykd ie[k dh v/;{krk e ekg e nk ckj gkrh gA cBd dh fuf"pr frfFk le; ,o LFkku lnL; lfpo] v/;{k dh lgefr l fu/kkfjr djr gA

Cyk d flp kb cU/k ¼uydi½ e d'kdk dh fuEu idkj dh leL;kvk ij ppk d mijkUr fujkdj.k gr okfNr dk;okgh dh tkrh g %&

d& jkt dh; uydik d lpkyu e lcf/kr leL;k;A
 [k& jkt dh; uydik dh cUnh dh leh{kkA
 x& jkt dh; uydik dh xyk@ ih-oh-lh- ikbiykb u dh ejEer dh leh{kkA
 ?k& uydik d dek.M {k= e Qly dh ckokbA
 M& flp kb “kYd fu/kkj.k lc/kh leL;k;A
 p& jkt dh; uydik ij folr vkifr leh{kkA
 N& d'kdk l ikr vU; idkj dh f'kdk;rk dk fujkdj.kA

Cyk d flp kb cU/k ¼uydi½ dh cBd dk dk;orR ,d ifLrdk e j[kk tkrk gA d'kdk dh futh leL;kvk ij fopkj foe”k mijkUr lek/kku gr fuf”pr frfFk fu/kkfjr dh tkrh gA ;g lfuf”pr fd;k tkrk g fd iR;d cBd e mBkb xb leL;kvk ij dh xb dk;okgh dh lpuk vxyh cBd e fuf”pr #i l iLrr dh tk;A ftu leL;kvk dk lek/kku Cyk d Lrj ij lHko u gk mudk fooj.k lcf/kr vf/k”kk lh vfHk;Urk ¼uydi½ dk Hkt fn;k tk; rkfd mfpr Lrj ij fu.k; yu dh dk;okgh mud }kjk dh tk l dA lcf/kr vf/k”kk lh vfHk;Urk ¼uydi½ iR;d ekg e ,d fodkl [k.M e Cyk d dh cBd e Hkx yr gA

4.4 d'kd lok dUn

iR;d cglifrokj dk ikr% 10 ct l 5 ct rd iR;d U;k; ipk;r e fu/kkfjr LFkk u ij fd l ku lok dUn lpkyr fd; tkr gA bu dUnk dk e[; mnn”; tu lfo/kkvk dk turk d }kj ij miyC/k djuk] vUrfoHkxh; leUo;] depkfj;k dh fuf”pr miyC/krk] turk&ifjoknk dk fuLrkj.k] iHkkoh vuJo.k djuk] tu pruk e of) djuk gA fd l ku lok dUn d iHkkoh lpkyu gr ,d i;o{d] ftyk/kdkjh }kjk iHkkjh vf/kdkjh ukfer fd; tkr gA fd l ku lok dUnk ij flp kb foHkx d lhpiky rFkk uydik fel=h ekg d iR;d igy rFkk rh l j cglifrokj dk ij le; mifLFkr jgr gA ;fn fd l h cglifrokj dk l kotfud vodk”k jgrk g rk o mld ckn vku oky cglifrokj dh cBd e Hkx yxA flp kb foHkx d uydik pyd iR;d llrg e fu/kkfjr fnol ij ikr% uk ctdj rh l feuV l 12 ctdj rh l feuV rd vo”; uydik ij jgx rkfd tu lk/kkj.k dk mul lEid djuk gk rk og uydik ij ml le; miyC/k gkA iR;d depkj dh fd l ku lok dUn e Hkx yu gr ,d fuf”pr fd l ku lok dUn dk fu/kkj.k mud fu;=d ftyk@ rgly@ [k.M Lrjh; vf/kdkjh }kjk fd;k tkrk g ,o vkn”kk dh ifr lcf/kr [k.M fodkl vf/kdkjh rFkk ftyk vf/kdkjh e[; fodkl vf/kdkjh dk miyC/k djkb tkrh gA fd l ku lok dUn dk fu/kkj.k djr le; ;g /;ku fn;k tkrk g fd ;fn fd l h depkj dh dk dk;{k= ,d l vf/kd U;k; ipk;r e g rk bl ogh U;k; ipk;r cBd e Hkx yu gr vkofVr dh tkrh g ft le mld dk;{k= dk vf/kdk”k fgLIk iMrk gA

bl dUn e foHkkxh; depkjh viU dk;{k= e fdIh 0;fDr@tuifruf/k }kjk ekxh xb lpuk ml fu;ekul kj miyC/k djkr g rFkk tu leL;kvk dk “kh?k fuLrkj.k djr gA ;fn ofj’B Lrjh; vf/kdkjh }kjk fuLrkj.k vko”;d gk rk ml iHkkjh vf/kdkjh dk miyC/k djkr gA ,l idj.kk dk iHkkjh vf/kdkjh lcf/kr foHkkx d ofj’B vf/kdkjh dk fujh{k.k d le; iLrr djr g] vU;Fkk fhktokr g o bldk vdu viU jftLVj e djr gA ikf{k d #i l fofHkUu vf/kdkfj;k d ikl vfuLrkfjr ;kfpdkvk dk fooj.k ftykf/kdkjh }kjk ukfer ukMy vf/kdkjh dk vuJo.kkFk miyC/k dj;k k tkrk gA tuin@rglhy Lrjh; vf/kdkjh x.k iR;d cgLifrokj dk {k=h; nkjk djr g, dUnk dk fujh{k.k Hkh djr g rFkk fvli.kh ,o l>kok dk miyC/k ift;k e vdu djr gA

5- flpkb nj ifr gDV;j ifr ftUl okj

Øe lO	uke ftUl	nj ifr gDV;j fn0 18.09.95 l vkt rd	
		rkm	Mky
1.	xUuk	474.00	237.00
2.	vky	356.00	178.00
3.	Ckkx	212.00	106.00
4.	/kku] xg	73.00	86.00
5.	rjdkjh fl?kkMk	73.00	86.00
6.	ckMdkLV /kku	114.00	57.00
7.	rEckd	212.00	106.00
8.	xg] tk fefJr Qly	173.00	86.00
9.	dikl	59.00	30.00
10.	pkj dh Qly	41.00	20.00
11.	gjh [kkn	30.00	15.00
12.	jch dh vU; Qly	114.00	57.00
13.	[kjhQ dh vU; Qly	99.00	49.00

14.	iyok	40.00	20.00
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6- f''kdk;rk dh ikflr ,o bldh lpuk nu dh lly vkj lfo/kki.k dk;fof/k vkj f''kdk;rk dk le;c) fuokj.k

jkLVj e flpkb lc/kh egRoi.k tkudkj nu d lkFk&lkFk ugj i.kkyh d iHkkjh
vf/kdkfj;k ,o depkfj;k d uke] iRk] VyhQku u0 bR;kfn fn; tkr g rkfd
d'kdx.k viuh f''kdk;rk vkj leL;kvk d fujkdj.k gr mul vki kuh l lEid
LFkkfir dj l dA

6-1 dk''rdkj dh vkerkj ij f''kdk;r

- d& [kr u lhp x;k gk yfdu flpkb nt dh xb gkA
- [k- fdlh vkj tfj; l lhp x;k gk] ijUr flpkb foHkx }kjk lhp nt dh
xb gkA
- x- ikuh dh deh d dkj.k Qly cckn gk xb gkA
- ?k- [kr dh flpkb ijh u gkdj vkf''kd #i l gb gk] flpkb Mky ¼fy¶V½ l
gb gk ijUr "kYd rkm ¼¶y½ dk yxk gkA
- M- ,d gh [kr dk ,d l T;knk ckj nt fd;k x;k gkA
- p- [kr e ckb gb Qly xyr nt dh xb gkA
- N- dk''rdkj dk uke xyr nt fd;k x;k gkA
- t- x.kuk dju e xyrh gb gkA
- >- Qly [kjc cht d dkj.k cckn gb gkA
- r- dk''rdkj dk iph u feyh gkA
- Fk- dk''rdkj ij rkoku xyr yxk gkA
- n- dk''rdkj dk mld fgLI dk ikuh u feyrk gkA
- /k- Lohdr dyck u yxk gkA
- u- jkLVj d vulkj ugj u py jgh gkA
- i- vU; fofo/kA

6-2 f''kdk;rk d fuLrkj.k d fy; ukfer vf/kdkjh

dk''rdkj viuh f''kdk;r lEcfu/kr vf/k''kk lh vfHk;Urk] lgk;d vfHk;Urk]
mijktLo vf/kdkjh] dfu'B vfHk;Urk o ftynkj dk n ldr g ftldk fuLrkj.k
fuEu idkj gkxk %&

- ¼v½ dekd ^d^ l ^[k^ ,o ^?k^ l ^r^ rd vfdr f''kdk;rk dk fuLrkj.k
lEcfu/kr lgk;d vfHk;Urk] mijktLo vf/kdkjh }kjk fd;k tk;xkA
- ¼c½ dekd ^x^ vf/k''kk lh vfHk;Urk }kjkA

¼ l ½ dekd ^Fk^ d fuLrkj.k e ftynkj ,o mld i"pkr lgk;d vfHk;Urk }kjk
 dkLrdkj dk viuk i{k iLrr dju gr LFkku rFkk rkjh[k dh lpuk
 nh tk;xhA mld i"pkr fu.k; vf/k"kk lh vfHk;Urk }kjk fy;k tk;xkA
 ¼n½ dekd ^n^ dh f"kd;rk d fuokj.kkFk vf/k"kk lh vfHk;Urk] mijktLo
 vf/kdkjh }kjk vklr cUnh dj;xA
 ¼;½ dekd ^?k^ vkj ^u^ dh f"kd;rk dk vf/k"kk lh vfHk;Urk@lEcU/kr lgk;d
 vfHk;Urk@lEcU/kr dfu'B vfHk;Urk fujkdj.k djxA
 ¼j½ dekd ^e^ ij f"kd;rk dh idfr d vulkj tYn l tYn fujkdj.k fd;k
 tk;xkA

6-3 f"kd;rk d ikr dju ,o fuLrkj.k gr xke Lrj @ Cykd Lrj @ rglhy Lrj@ ftyk Lrj ij ukfer vf/kdkjh

1.	xke Lrj	lhp i;o{k d
2.	Cykd Lrj	dfu'B vfHk;Urk o ftynkj
3.	rglhy Lrj	lgk;d vfHk;Urk
4.	ftyk Lrj	vf/k"kk lh vfHk;Urk] mijktLo vf/kdkjh

6-4 f"kd;rk d fuLrkj.k gr le; lkfj.kh

f"kd;rk dk fuLrkfjr dju gr fuEu le; lkfj.kh gkxhA

- d- de l0 ^x^ l ^>^ d fo#) dk"rdkj }kjk bLrxk lk ipk feyu d 30
 fnu d vUnj nkf[ky gk tkuk pkfg;A de l0 ^d^ o ^[k^ d fo#)
 ikFkuki= ipk feyu d 21 fnu d vUnj dk"rdkj }kjk nkf[ky gk tkuk
 pkfg; rFkk mldk fuLrkj.k l{ke vf/kdkjh }kjk 15 fnuk d vUnj gk
 tkuk pkfg; A
- [k- de l0 ^n^ ,d llrkg eA
- x- de l0 ^Fk^ dkLrdkj dk ukfVI ndj tYn l tYn fuLrkfjr dh
 tk;xhA
- ?k- de l0 ^/k^ lkekU;r% rhu eggu eA
- M- de l0 ^u^ nk fnu eA
- p- de l0 ^e^ f"kd;rk dh idfr ij fuHkj gkxk ijUr tYn l tYn
 fuLrkj.k gr i;k l gkxkA

6-5 dk"rdkj dk lpuk ikflr d vf/kdkj ¼;fn xke e le; l miyC/k gk%

- flpkb dh iph feyukA
- dyck dh rkehyA

- jkLVj d fo#) ugj dk cUn djukA
- rkoku yxuj vkIjkcUnh dh ukfVIA
- flpkb vkfn d fo#) fn; x; ikFkuki= dk fuLrkj.kA
- lhp i;o{k d }kjk iekb”k fd; tku dh iLrkfor frfFk ¼xke ipk;r e pLlk dh xb ukfVI }kjk%A
- jkLVj dh lpuk chOMh0vk0 rFkk xke i/kku d ek/;e IA

7- ukxfjd nyk dk “kkfey dj d; fu’iknu dh Lor= ttp iMrkyA

oreku i.kkyh d vulkj d’kdk dk flfpr {k=} flpkb dj yxku gr iR;d Qly e ukik tkrk g vkj “kklu }kjk fu/kkfjr njk ij fofHkUu idkj dh Qlyk ij flpkb “kYd fu/kkfjr fd;k tkrk gA mldh tekUnh d’kdk l olyh gr lEcfo/kr rglhynjk dk Hkth tkrh g tk fu/kkfjr jktLo fu;ek d vUrxr flpkb dj dh olyh djr gA bld fy; ekih d le; d’kdk dk foHkx d lhp i;o{k d ,o ftynkj vkfn d lFk lg;kx vif{kr g ,o ekih d le; mudh mifLFkfr dk vkOgku fd;k tkrk g ftll ;Fkk lEHko d’kdk d uke] Qly mldk {k= ,o lhp dj e =fv u gk] fQj Hkh ;fn d’kdk dk dgh dkb =fv feyrh g rk mldk bLrxk lk ¼vFkk r”kdk;r½ foHkx }kjk Lohdkj fd;k tkrk g vkj mu ij ,d fu;fer vof/k e ttp dj fuLrkj.k fd;k tkrk gA d’kdk dh flpkb {k=k dh eki ,o vU; f”kdk;r d fujkdj.k dh 0;oLFkk pmRrj Hkkjr ugj ,o ty fodkl vf/kfu;e 1873B ,o flpkb fu;ekoyh lxxg e fufgr gA leLr vf/kdfj;k ,o depfj;k }kjk mldk ;Fkk lEHko i.k #i l ikyu fd;k tkrk gA ukxfjdk dk mfpr lfo/kk inku dju gr iMrky ifØ;k fu/kkfjr g ftll fd lh Hkh d’kd ij vuko”;d vFkok xyr egly vkfn u yxA

8- d’kdk@turk dh leL;kvk d fujkdj.k gr lpuk

- d’kdk dk T;knk l T;knk flpkb dk ykHk feyu rFkk vk lkuh l o i;klr ek=k e ikuh miy0/k djku gr iR;d ugj i.kkyh d fy; jch o [kjH dh Qly gr jkLVj cuk;k x;k gA
- ugjk dk dkVuk] cu/kk yxkuk] vo/kkfud rjhd l ikuh yuk] ugj iVfj;k dk n#i;kx djuk ,o ljdkjh lEifRr;k dk {kfr igpkuk fu;ekul kj n.Muh; vij/k gA
- Qly e mfpr le; e okfNr ikuh dh ek=k nu l gh inkokj vf/kdre gkrh gA ;fn okfNr ek=k l de vFkok vf/kd ikuh Qly e fn;k tkrk g rk inkokj de gkxhA

- tuin Lrj ij d'kdk dh leL;kvk ij ppk dju ,o ;FkkIEHko fujkdj.k dju gr iR;d egHu d f}rh; exyokj dk tuin flpkb cU/k dh cBd vk;kftr gkrh gA
- tuin e iR;d rglhy e[;ky; ij iR;d ekg d iFke o rrrh; exyokj dk ikr% 10-00 ct l nkigj 2-00 ct rd ftykf/kdkjh@mi ftykf/kdkjh dh v/;{krk e rglhy fnol ij iklr tuleL;kvk vFkok f''kdk;rk dk ;FkkIEHko fujkdj.k ekd ij gh fd;k tkrk gA
- d'kdk dk vf/kd l vf/kd flpu lfo/kk miyC/k djku d ifji{; e jkt dh; uydik l lEcFu/kr leL;kvk d fujkdj.k gr Cykd Lrj ij Cykd flpkb cU/k dh cBd] Cykd ie[k dh v/;{krk e iR;d ekg e nk ckj vk;kftr gkrh gA

**MATERIAL TESTING DIVISION-I
IRRIGATION RESEARCH INSTITUTE
ROORKEE**

LABORATORIES

Cement & Concrete Lab
Roller Compacted Concrete Lab.

OBJECTIVE

A. Testing of Construction Materials

Cement, Pozzolana, Bricks, brick tiles, Aggregate, Chemical admixtures, RCC pipes etc.

Concrete Mix Design

Roller Compacted Concrete Mix Design

Testing of Concrete

E. Testing of Metals

Reinforcement Bars, High Tension Steel Bars, Welded joints, Rope socket joints etc.

F. Testing of Bridge Bearings in compression

G. Testing of Sheathing Ducts for Prestressed cables.

H. Basic Study on Construction Materials.

IMPORTANT STUDIES PERFORMED

A. Design of Cement Concrete Mixes

1. Lakhwar Dam Project, Dehradun
2. Srinagar Hydroelectric Scheme, Srinagar (Garhwal)
3. Gokul Barrage, Mathura
4. Upper Ganga Canal Modernisation Project (World Bank), Roorkee
 - (i) *Solani Aqueduct*
 - (ii) *Asaf Nagar Regulator*
 - (iii) *Ratmau Aqueduct*
5. Himalayan Institute Hospital Trust, Jolly Grant, Dehradun
6. Baspa Hydro Electric Project Stage-II, Himachal Pradesh
7. Pathari Dam, Jhansi
8. Sardan Bridge, Jammu
9. Ganga Barrage, Kanpur
10. Chambal Lift Scheme, Agra
11. Ponta Weir, Dehradun
12. Tehri Dam Project, Tehri Garhwal

B. Design of Roller Compacted Concrete Mix for Proposed Jamrani Dam

C. Testing of Sheathing Ducts for Prestressed cables for Solani & Ratmau Aqueduct, Roorkee and Gokul Barrage, Mathura

D. A Study on use of Araldite Base Epoxy Resin in the Repair Work of Roller Bucket of Ichari Dam

E. A Basic research Study on “Use of Anti-Erosive Coatings over Concrete & Steel”

IRRIGATION RESEARCH INSTITUTE, ROORKEE
SOILS DIVISION II
RATES FOR CHEMICAL TESTING wef 1.10.98

Sl. No.	Name of test	Unit	Revised Rate for	
			Irrigation Department	Other Govt. Deptt. Corporation Private Institution & Industries on 22% Centage Charges
1	Chemical analysis of Cement (Excluding Alkali content)	Each	2310.00	2820.00
2	Chemical analysis of Cement (including Alkali content)	Each	2980.00	3640.00
3	Chemical analysis of water	Each	1480.00	1810.00
4	Analysis of silt samples for PPM	Each	500.00	610.00
5	Analysis of silt samples for grain size distribution	Each	710.00	870.00

IRRIGATION RESEARCH INSTITUTE, ROORKEE

MATERIAL TESTING DIVISION – I

**Schedule of revised testing Charges w.e.f. 01.10.98 in reference of
Chief Engineer & Director Letter No. 4394/CE-Design dated 20.8.98**

Sl. No.	Name of Test	Unit	Revised rate for (Rs)			
			Irrigation Department	Other Department, Corporations & Private Agencies		Detail Analy sis of rates Page No.
				Centage Charges on Item 4	Total (4+5)	
1	2	3	4	5	6	7
	1. Physical properties of Cement/ Pozzolana					
i	Standard Consistency	1	410.00	90.00	500.00	2
ii	Setting Time	1	610.00	134.00	744.00	3
iii	Soundness (by Lechatelier method	1	410.00	90.00	500.00	4
iv	Fineness (blains air Permeability method)	1	390.00	86.00	476.00	5
v	Fineness of Pozzolana By sieving	1	455.00	100.00	555.00	6
vi	Specific Gravity	1	445.00	98.00	543.00	7
vii	Compressive Strength	1	1530.00	337.00	1867.00	8
viii	Lime Reactivity of Pozzolana	1	1530.00	337.00	1867.00	9
ix	Complete above {(i),(ii),(iii),(iv),(vi i)} Physical test of Cement	1	3795.00	835.00	4630.00	
x	Complete above {(i) to (viii)} Physical test of Pozzolana	1	5780.00	1272.00	7052.00	

Sl. No.	Name of Test	Unit	Revised rate for (Rs)			
			Irrigation Department	Other Department, Corporations & Private Agencies		Detail Analy sis of rates Page No.
				Centage Charges on Item 4	Total (4+5)	
1	2	3	4	5	6	7
	2. Test for Concrete					
i	Compressive Strength	1	125.00	28.00	153.00	10
ii	Flexural strength	1	170.00	37.00	207.00	11
iii	Permeability (Tiles only)	1	835.00	184.00	1019.00	12
iv	Shrinkage	1	1960.00	431.00	2391.00	13
v	Unit Weight	1	245.00	54.00	299.00	14
vi	Slump Test	1	335.00	74.00	409.00	15
vii	Modulus of elasticity (Cylinders)	1	630.00	139.00	769.00	16
viii	Abrasion by Dorry's Machine	1	465.00	102.00	567.00	17
ix	Testing of Air Entraining Agent(28 days)	1	10215.00	2247.00	12462.0	18
x	Testing of Air Entraining Agent (90 days)	1	13435.00	2956.00	16391.0	19
	3. Concrete Mix Design					
i	Upto 40 mm (28 days basis)	1	11945.00	2628.00	14573.0	20
ii	Upto 40 mm (90 days basis)	1	14700.00	3234.00	17934.0	21
iii	Upto 80 mm (28 days basis)	1	22315.00	4909.00	27224.0	22
iv	Upto 80 mm (90 days basis)	1	27980.00	6156.00	34136.0	23

	4. Physical Properties of Brick Tiles					
i	Water Absorption	1	120.00	26.00	146.00	24
ii	Compressive Strength	1	200.00	44.00	244.00	25
iii	Flexural Strength	1	170.00	37.00	207.00	26
iv	Warpage	1	85.00	19.00	104.00	27
	5. Physical Properties of Bricks					
i	Water Absorption	1	120.00	26.00	146.00	28
ii	Compressive Strength	1	200.00	44.00	244.00	29
iii	Flexural Strength	1	180.00	40.00	220.00	30
iv	Warpage	1	85.00	19.00	104.00	31
	6. Physical Properties of RCC & AC Pipe					
i	Water Absorption	1	410.00	90.00	500.00	32
ii	Three edge bearing test	1	2705.00	595.00	3300.00	33
iii	Transverse Crushing Value	1	150.00	33.00	183.00	34
	7. Test for Metals					
i	Tensile Strength (Plates, Strips, Angle, Tees, Beams, Channels etc.& Plates)	1	490.00	108.00	598.00	35
ii	Impact test	1	545.00	120.00	665.00	36
iii	Hardness test	1	410.00	90.00	500.00	37
iv	Shear Strength	1	275.00	61.00	336.00	38
v	Yield Stress or Proof Stress	1	860.00	189.00	1049.00	39
vi	Percentage Elongation after fracture	1	320.00	70.00	390.00	40

vii	Ultimate Tensile Strength/Weld Strength (up to 25mm dia)	1	365.00	80.00	445.00	41
viii	Ultimate Tensile Strength/Weld Strength (above 25mm to 50mm dia)	1	485.00	107.00	592.00	42
ix	Tensile test for Rope Socket Joint (up to 25mm dia)	1	420.00	92.00	512.00	43
x	Tensile test for Rope Socket Joint (above 25mm to 50mm dia)	1	600.00	132.00	732.00	44
	8. Testing of Bride Bearing in Compression	1	2270.00	499.00	2769.00	45
	9. Calibration					
i	Proving Ring, Load Cells, Jacks(up to 30T capacity)	1	1285.00	283.00	1568.00	46
ii	Proving Ring, Load Cells, Jacks(above 30T capacity)	1	2565.00	564.00	3129.00	47
	10. High Velocity Water Jet Test	Per hr	790.00	174.00	964.00	48
	11. Sand Blast Test	Per hr	750.00	165.00	915.00	49
	12. Non Destructive Test					
i	Compressive Strength of Concrete	1	120.00	26.00	146.00	50
	13. Sheathing Ducts Test					
i	Workability test	1	585.00	129.00	714.00	51
ii	Tension Load test	1	660.00	145.00	805.00	52

iii	Transverse Load Rating test	1	470.00	103.00	573.00	53
iv	Water Loss test	1	585.00	129.00	714.00	54
	14. Calibration of Compressive Testing Machine	1	2200.00	484.00	2684.00	55
	15. Test for Fine Aggregate					
i	Sieve Analysis & FM/ Bulkage for one water Content	1	340.00	75.00	415.00	56
ii	Specific gravity & water absorption	1	340.00	75.00	415.00	57
iii	Unit Weight	1	250.00	55.00	305.00	58
iv	Soundness	1	2105.00	463.00	2568.00	59
v	Silt and Clay content(passing from 75 micron)	1	430.00	95.00	525.00	60
vi	Organic Impurities	1	275.00	61.00	336.00	61
vii	Mortar making paste	1	1325.00	292.00	1617.00	62
viii	Mortar bar expansion	1	2375.00	522.00	2897.00	63
ix	Light Weight Particle	1	405.00	89.00	494.00	64
	16. Test for Coarse Aggregate					
i	Sieve Analysis	1	555.00	122.00	677.00	65
ii	Crushing Value	1	555.00	122.00	677.00	66
iii	Impact value	1	320.00	70.00	390.00	67
iv	Absorption value	1	820.00	180.00	1000.00	68
v	Specific gravity & Water absorption	1	340.00	75.00	415.00	69
vi	Soundness	1	2105.00	463.00	2568.00	70
vii	Unit Weight	1	250.00	55.00	305.00	71
viii	Flakness/Elongation Index	1	385.00	85.00	470.00	72
ix	Light Weight Particle	1	405.00	89.00	494.00	73

x	Mortar bar expansion	1	2375.00	522.00	2897.00	74
	17. Roller Compacted Concrete Mix Design	1	15885.00	3488.00	19343.0	75

IRRIGATION RESEARCH INSTITUTE, ROORKEE

SOIL TESTING DIVISION – I

**Schedule of revised testing Charges w.e.f. 01.10.98 in reference of
Chief Engineer & Director Letter No. 4394/CE-Design dated 20.8.98**

Sl. No.	Name of Test	Reference to IS Code	Revised Rates, Rs.	
			Irrigation Department	Other Department, Corporations & Private Agencies
1	2	3	4	5
Laboratory Tests				
1	Soil Classification	1498		
	Screen Analysis	2720 (Pt IV)	300.00	365.00
	Sieve and hydrometer analysis	2720 (Pt V)	230.00	280.00
	Atterberg Limits	2720 (Pt III)	320.00	390.00
2	Specific Gravity	2720 (Pt II)	225.00	275.00
3	Natural Moisture Content and Density	2720 (Pt II)	185.00	225.00
4	Compaction Test	2720 (Pt VII)	585.00	715.00
5	Maximum and Minimum Density of Cohesion less Soil	2720 (Pt XIV)	160.00	195.00
6	Consolidation Test	2720 (Pt XV)	1735.00	2120.00
7	Swelling Test	2720 (Pt XLI)	1735.00	2120.00
8	Permeability Test	2720 (Pt XVII)	585.00	715.00
9	Free Swell	2720 (Pt XL)	195.00	240.00
10	Direct Shear Test(60X60X20	2720 (Pt		

	mm)	XIII)		
	At MMC/OMC/Dry State		825.00	1010.00
	At Saturation		910.00	1110.00
11	Direct Shear Test (300X300X150 mm)	2720 (Pt XIII)		
	At MMC/OMC/Dry State		1810.00	2210.00
	At Saturation		1990.00	2430.00
12	Unconfined Compression Test	2720 (Pt X)	295.00	360.00
13	Triaxial Shear Test (37.5mm dia X 75mm high)			
(i)	Unconsolidated undrained test without pore pressure measurement	2720 (Pt XI)		
	At OMC/MMC		825.00	1010.00
	At Saturation		910.00	1110.00
(ii)	Unconsolidated undrained test with pore pressure measurement	2720 (Pt XII)		
	At OMC/MMC		1615.00	1970.00
	At Saturation		1775.00	2165.00
(iii)	Consolidated Drained test			
	At OMC/MMC		2020.00	2465.00
	At Saturation		2225.00	2715.00
14	Triaxial Compression Test (100mm dia X 200mm high)			
(i)	Unconsolidated undrained test without pore pressure measurement	2720 (Pt XI)		
	At OMC/MMC		1355.00	1655.00
	At Saturation		1490.00	1820.00
(ii)	Unconsolidated undrained test with pore pressure measurement	2720 (Pt XII)		
	At OMC/MMC		2155.00	2630.00
	At Saturation		2370.00	2890.00

(iii)	Consolidated Drained test			
	At OMC/MMC		2695.00	3290.00
	At Saturation		2965.00	3620.00
15	Triaxial Shear Test (200mm dia X 400mm high)			
(i)	Unconsolidated undrained test without pore pressure measurement	2720 (Pt XI)		
	At OMC/MMC		5040.00	6150.00
	At Saturation		5545.00	6765.00
(ii)	Unconsolidated undrained test with pore pressure measurement	2720 (Pt XII)		
	At OMC/MMC		7425.00	9060.00
	At Saturation		8170.00	9970.00
(iii)	Consolidated Drained test			
	At OMC/MMC		9280.00	11325.00
	At Saturation		10215.00	12465.00
16	Gradation analysis and Classification of Coarse material	1498-1970	1195.00	1460.00
17	Large Size Permeability Test(50 cm dia)		12500.00	15250.00
18	Compressibility and particle breakage Test(50 mm dia)			
19	Crushability			
20	Dispensability Test		1105.00	1350.00
21	Erodibility Test		4000.00	4880.00
22	Calibration			
	Pressure Gauge		290.00	355.00
	Proving Ring		290.00	355.00

	Field Tests			
1	Bearing Capacity			
	Plate Load Test	1883	3875.00	4730.00
	Standard Penetration Test	2131	690.00	845.00
	Undisturbed Sample	8763	690.00	845.00
	Static Cone Penetration Test	4968 (Pt III)	2415.00	2945.00
	Dynamic Cone Penetration Test			
	Without Bentonite Slurry		1235.00	1510.00
	With Bentonite Slurry		1850.00	2260.00
2	Field Permeability Test	5529(Pt I)	1685.00	2055.00
3	Vane Shear Test	4434	530.00	650.00
4	Prototype Load Test(on wells already sunk and plugged)		125000.00	152500.00

Note :

1. The laboratory testing charges are only for the samples received at IRI Roorkee.
2. The field testing charges do not include arrangements for testing at site, collection and packing of samples for which extra payment and facilities shall have to be provided as per estimate i.e. the labour required for boring and conducting SPT etc. shall be provided by the field officers.

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	;kx %i+ii+iii%	gDV0	90-00	12	90	100%	A	&
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6- : ni ; kx								
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ii	fMi fl pkb	gDV0	&	&	&	&	&	&
iii	ckNkj h fl pkb	gDV0	&	&	&	&	&	&
	; kx $\frac{1}{2}i+ii+iii\frac{1}{2}$	gDV0	204-00	48	252	123%	A	&
7- gfj }kj								
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ii	fMi fl pkb	gDV0	&	&	&	&	&	&
iii	ckNkj h fl pkb	gDV0	&	&	&	&	&	&
	; kx $\frac{1}{2}i+ii+iii\frac{1}{2}$	gDV0	2775-00	340	2775	100%	A	&
8- x<oky e.My								
i	fl pu {kerk l tu&jkt dh; fl pkb	gDV0	4189-00	744	4391	105%	A	&
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iii	ckNkj h fl pkb	gDV0	&	&	&	&	&	&
	; kx $\frac{1}{2}i+ii+iii\frac{1}{2}$	gDV0	4189-00	744	4391	105%	A	&

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	; kx %i+ii+iii%	gDV0	111-00	5	111	100%	A	&
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	; kx %i+ii+iii%	gDV0	2811-00	754	2705	96%	B	&

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14- pEikor								
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iii	ckNkjh flpkb	gDV0	&	&	&	&	&	&
	;kx $\frac{1}{2}i+ii+iii\frac{1}{2}$	gDV0	11848-00	2133	12019	101%	A	&

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iii	vu'kf l r@vuekf nr ;k tuk;	l [;k	&	&	&	&	&	&
4- A/kef l g uxj								
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7- dek; e.My								
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						x<oky e.My									
1	ngjknu	234.250	275	1037.090	240.280	238	2143.430	112.070	46	872.730	352.350	284	3016.160	3016.200	
2	fVgjh	50.800	181	297.480	17.300	163	266.620	27.122	377	195.130	44.422	540	461.750	468.000	
3	mRrj dk'kh	47.910	90	278.990	30.820	78	193.410	25.220	12	107.290	56.040	90	300.700	349.730	
4	i kMh	24.490	7	146.250	39.370	712	170.500	9.490	1	161.250	48.860	713	331.750	331.750	
5	: ni ;kx	48.850	241	407.650	51.860	102	375.620	20.930	65	261.420	72.790	167	637.040	637.040	
6	pekyh	25.700	24	167.780	20.650	49	132.790	12.056	5	81.650	32.706	54	214.440	214.200	
7	gfj }kj	9.800	975	100.760	1.380	860	37.750	2.640	115	66.170	4.020	975	103.920	103.920	
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						dekA e.My									
1	uuh rky	239.018	1838	1623.950	184.951	1889	1417.060	90.184	615	736.740	275.135	2504	2153.800	2161.700	
2	vYekMk	17.846	152	89.050	29.936	400	119.180	12.160	89	55.830	42.096	489	175.010	173.850	
3	ckx'oj	13.500	117	160.000	20.135	208	111.090	4.600	43	109.040	24.735	251	220.130	220.130	
4	m/ke flg uxj	405.578	1424	1323.860	256.511	1367	1018.170	53.739	488	614.160	310.250	1855	1632.330	1632.300	
5	fiFkkjx<	13.330	165	77.280	43.029	443	144.060	29.350	274	185.090	72.379	717	329.150	329.500	
6	pEikor	10.800	119	50.500	22.170	344	114.300	10.397	267	55.200	32.567	611	169.500	169.500	
	;kx dekA e.My	700.072	3815	3324.640	556.732	4651	2923.860	200.430	1776	1756.060	757.162	6427	4679.920	4686.980	
	;kx & mRrjk[k.M	1141.872	5608	5760.640	958.392	6853	6243.980	409.958	2397	3501.170	1368350	9250	9745.680	9807.820	

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x<oky e.My														
1	ngjknu	3u@17.400	225	327.400	2@2.100	225	244.160	5@13.218	175	29.460	7@15.318	400	273.620	273.640
2	fvGjh	&	&	23.000	&	&	&	&	&	&	&	&	&	&
3	mRrj dk 'kh	&	&	34.100	&	&	14.310	&	&	-0.010	&	&	14.300	14.300
4	ikMh	1u0@3.00	75	175.870	1@&	225	22.800	3@&	75	-0.100	4@&	300	22.700	22.700
5	:ni ;kx	&	85	238.520	&	45	201.970	1@7.520	40	13.020	1@7.520	85	214.990	214.970
6	pekyh	&	&	62.900	&	&	16.420	&	&	8.580	&	&	25.000	25.000
7	gfj}kj	24u@18.390	1800	368.550	23@&	1575	393.120	-3@24.000	225	160.300	20@24.000	1800	553.420	558.420
;kx x<oky e.My		28u0@38.790	2185	1230.340	26@2.100	2070	892.780	6@44.738	515	211.250	32@46.838	2585	1104.030	1109.030
deA e.My														
1	uuhrky	43 u@80.000	3223	1619.430	36@22.620	2737	864.030	5@3.860	385	648.830	41@31.910	3122	1512.860	1735.710
2	vYekMk	2 u@20.300	160	242.250	2@1.830	308	239.860	1@3.100	&	58.390	3@14.930	308	298.250	297.880
3	cx'oJ		91	34.000	-@0.500	91	25.250	1@1.000	&	8.750	1@1.500	91	34.000	34.000
4	m/ke flg uxj	21 u@36.000	1515	215.260	12. @19.900	880	189.450	10@11.280	640	25.810	22@31.180	1520	215.260	215.260
5	fiFkjkx <		-	17.000	&	&	7.520	-@0.300	&	9.480	-@0.300	&	17.000	17.000
6	peikor	2 u@4.000	150	57.000	1@1.000	65	24.660	1@3.650	85	32.540	2@4.650	150	57.200	57.200
;kx deA e.My		68u@120.000	5139	2184.940	51@55.850	4081	1350.770	18@28.620	1110	783.800	69@84.470	5191	2134.570	2357.050
;kx&mRrj}k[k. M		96u@158.790	7324	3415.280	77@57.950	6151	2243.550	24@73.358	1625	995.050	101@131.308	7776	3238.600	3466.080

v/kh{k.k vfHk;Urk ¼fu;ktu½
dr e[; vfHk;Urk ,o foHkxk/;{k

foRrh; Hkkfrd ixfr $\frac{1}{4}$ ck< dk; $\frac{1}{2}$ jkT; IDVj
Hkkfrd@foRrh; $\frac{1}{4}$ y{; ixfr $\frac{1}{2}$

ekg $\frac{1}{4}$ 03@2008

d0	e.My@tuin dk uke	dy Lohdr ;k tukvk dh ykxr	3@2007 rd 0;;	vo'k'k dk;	02@2008 rd	03@2008 e	dy 03@2008 rd	vkcvu
1	2	3	4	5	6	7	8	9
x<oky e.My								
1	Ngjknu	2888.540	1650.460	1238.080	140.220	595.670	735.890	1616.000
2	fVgjh	95.000	25.000	70.000	14.740	252.580	267.320	323.970
3	mRrj d'k'kh	319.000	198.000	121.000	122.720	261.700	384.420	385.930
4	ikMh	941.990	264.600	677.390	5.000	143.410	148.410	516.000
5	:ni; kx	622.620	213.730	408.890	66.070	238.890	304.960	314.560
6	Pekyh	1168.620	54.590	1114.030	3.520	96.340	99.860	152.540
7	gfj}kj	60.800	15.000	45.800		45.800	45.800	45.800
;kx x<oky e.My		6096.570	2421.380	3675.195	352.270	1634.390	1986.660	3354.800
dekÅ e.My								
1	uuh rky	1699.210	357.150	1342.060	&	81.390	81.390	162.170
2	vYekMk	369.910	&	369.910	&	&	&	&
3	ckx'oj	435.920	43.080	392.840	&	43.940	43.940	43.940
4	m/ke flg uxj	388.250	139.730	248.520	74.030	110.830	184.860	256.340
5	fiFkkj kx<	623.790	142.280	481.510	6.960	57.840	64.800	67.350
6	pEikor	&	&	&	&	&	&	&
;kx dekÅ e.My		3517.080	682.240	2834.840	80.990	294.000	374.990	529.800
dy ;kx & mRrjk[k.M		9613.650	3103.620	6510.030	433.260	1928.390	2361.650	3884.600

$\frac{1}{4}$ Mh0d0ipkj h $\frac{1}{2}$
v/kh{k.k vfHk;Ur k $\frac{1}{4}$ fu;kt u $\frac{1}{2}$
dr e[; vfHk;Ur k ,o foHkxk/;{k