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Hkkjr esa çe[k nyguh Qlyksa ds mRikndksa dh leL;k;sa ,oa mudk lek/kku dsfy, ,d v/;;u

nhid flag*] jkt dekj] lqhy dekj ;kno] fgekfæ 'k[kj jk;] vkdj fc'okl ,oa jfoUn flag 'k[kkor

Hkk—v-i-&Hkkjrh; df"k lkf[;dh vul/kku lLFkku] ubZ fnYyh–110 012] Hkkjr

ikIrh viy 2019 Lohdrh eb 2019

lkjk'k

Hkkjr e eè;e vkj fuEu ox d vkgkj e pkoy ;k xg d lkFk nygu ,d çe[k rRo gA mRiknu e FkkMh deh l nkyk dh dher e Hkkjh of) gkrh g] tk fd NkVh vofèk e vkiwfr e vk;h deh d dkj.k gkrh g A bldk e[; dkj.k ;g g fd Hkkjr ,dek= ,lk n'k g tk nygu dk lcl cMk vkj egRoi.k mRiknd d lkFk&lkFk miHkkäk Hkh gA nygu mRikndksa dh fLFkfr le>u] mRiknu {k= d vkdkj vkj vkthfodk dk Lo:i tkuu d fy,, Hkkjr e nygu dk ,d çe[k mRiknu dæ cny[kM vkj vkl&ikl d {k=k dk lo{k.k fd;k x;kA 0;kikj vkj ifjogu voljpuk] vkiwfr J[kyk çcèku] eY; lpj.k 0;ogkj vkj fofHkUu eY; çfrHkkfx;k }kjk vfrtr ykHk dk vè;;u cny[kM vkj vklikl d {k=k e p;fur uk efM;k d ekè;e l fd;k x;k gA vè;;u dk fu"d"k ;g ik;k x;k fd nkyk d mRiknu e 0;kikj vkj fuo'k d fu;e mRiknu d ctk; çlLdj.k vkj forj.k }kjk fu;f=r gkr gA de C;kt oky ØfMV] mRikndk d fy, oLr eMy] lfCklMh çkIr mRiknd lkexh] mÙke fdLe d cht dk le;] LFkku vkj ek=k d lcèk e miyC;krk vkj forj.k] ckt kj dh tkudkjh dk mi;kx vkfn d ekey e fdlku dk dkQh leL;k >yuh iMrh gA cQj LV,d dk cuk, j[ku vkj miHkkäkvk d i{k e lfCklMh nu d ekè;e l ljdkj }kjk nygu dh dher dk fLFkj dju d fy, etcr uhfrxr gLr{ki dh vko';drk gA mRiknudrk vkj miHkkäk nkuk gh dN 0;kikfj;k vkj çkllj d }kjk 'kkf"kr gA

'kCn dqth :0;kikj] eY; 0;ogkj] nkyk d ckt kj cfu;knh <kpk] ldy ykHkk'kA

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A study on problems of major pulses producers and their solutions in India

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ABSTRACT

Pulses are a major constitutent along with rice or wheat in the Indian diet of the middle and lower class. Slight reduction in the production results in drastic increase in the price of pulses due to the deficit unfulfillment in the short duration as India is the only largest and important producer along with the major consumer. Survey is done in the Bundhelkhand (Pulse producing hub of India) and adjoining areas to understand the Pulses producers and producing region economic and livelihood pattern. Trade and transport infrastructure, supply chain management, Price transmission behavior and margins earned by different value participants have been studied through nine mandis selected within pulses hub and adjoining areas.

The rules of trade and investment in pulses production are governed by processing and distribution rather than production. Lacking low-interest credit, commodity boards for producers, subsidized inputs, quality seeds availability and distribution with respect to time, place and quantity and access of market information engraves the problem with the individual pulses farmers. The strong policy intervention by government is needed to stabilize the price of Pulses through maintaining the buffer stock and price subsidizing to favor the consumers. Both producer and consumer remains culprit at the hands of few traders and processors.

Key words: Gross margins, Market infrastructure of Pulse, Price behavior,Trade.

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çLrkouk

—f"k foi.ku d ekey e] mRiknd LokHkkfod :i l udlku e jgrk gA fdlku vkj miHkkäk dh l[;k vfèkd g tcfd deh'ku ,tV] 0;kikjh vkj foØrk de gA o fdlku vkj miHkkäk d chp ,d fcpkfy; d :i e dk; djr g ft ld ifj.kkeLo:i fdlkuk vkj miHkkäkvk dk 'kk"k.k gkrk gA fdlkuk dh ,d cMh l[;k vkj miHkkäk dh ,d cMh l[;k d chp dh J[kyk e çkllj vkj forjdk dh ,d NkVh l[;k g tk de nkek e fdlku l mRiknu Ø; dj vfèkd eY; ij xkgdk dk cpr gA nygu&0;kikj e vkiŸrdrk ¼fdlku½ 0;kikfj;k vkj deh'ku ,tVk ij fuHkj gA uhfr fuekrkvk dk mRiknu dh fupyh J[kyk e ykxk dk ykHk miyC;èk djku dh ,d cMh pukrh gA bld lcèk e] Qly dh [kjhn] çcèku vkj vkiŸr] fdlkuk }kjk lkeuk dh tku okyh fofHkUu ckèkkvk] çe[k nygu ckt kj dh cfu;knh <kp] nkyk d fy, miHkkäk dh iln vkj ojh;rk eY; vkj mit dk vkxeu vkfn dk vè;;u dju dh dkf'k'k dh xÃ gA yxkrkj dÃ o"kk l ldy ?kjy mRikn e —f"k d ekè;e l ;kxnku yxkrkj ?kV jgk g] vfèkdk'k ykx xj —f"k vk; lkrk dh vkj iyk;u dj jg g A Hkkjr e vHkh Hkh ckt kj e nygu dh eè;e ox vkj c<rh tul[;k d ekx d vulkj nkyk dh U;ure vko';drk dk ijk dju d fy, vfèkd nkyk dk mRiknu vkj [kjhn dju dh vko';drk gA geu bl vè;;u e ;g ik;k g dh nygu mRiknu {k=k dh mRiknu {kerk c<kÃ tk ldrh g ft ll fdlkuk dh vk; e of) gkxh vkj fdlkuk dh vkŸFkd fLFkfr e dkQh lèkkj vk ldrh g A

lkexh ,oa ijh{k.k fof/k

fdlku dh jk; dk nkyk dh dher] nky d fy, ckt kjk dh cfu;knh <kp vkfn d lcèk e vè;;u dju d fy, lo{k.k }kjk ,df=r fd;k x;kA lo{k.k d fy, pu x, çe[k ftyk e Qrgij] gehjij] dkuij ngkr] ejB] >klh vkj yfyrij 'kkfey FkA pu x, lo{k.k {k= dk vfèkdk'k fgLlk cny[kM d vrxr g] ;kuh iæg xkok e l tgk lo{k.k fd;k tkrk g] lkr cny[kM d vrxr g¼ gehjij ¼3½] >klh ¼1½ vkj yfyrij ¼3½A cny[kM {k= d vklikl d {k= e Qrgij ¼3½ vkj dkuij ngkr ¼2½ fty 'kkfey FkA

mÙkj çn'k d if'peh Hkkx l ,d ftyk ejB dk p;u fd;k x;k] ftldk mi;kx nygu mRiknu {k= ,o fodflr {k= dh ryuk dju d fy, fd;k x;kA mÙkj çn'k l uk çe[k nygu efM;k dkuij] ç;kxjkt] yfyrij] >klh] y[kuÅ] ejB] Qrgij] gehjij vkj vyhx< dk puk x;k vkj mudh ryuk vkxeu d lcèk e dh xÃA ¼rkfydk 1½

nygu d lcèk e mÙkj çn'k d fofHkUu ckt kjk e ckt kj d cfu;knh <kp dh ryuk dju d fy,] nygu dh uk çe[k efM;k dk puk x;k FkkA ejB] >klh] yfyrij] dkuij] y[kuÅ] bVkok] vyhx<] Qrgij vkj ç;kxjkt A mÙkj çn'k e i;klr Lrj ij tgk vkxeu gkrk g] ogk MVk ,d= fd;k x;kA efM;k d dy cfu;knh <kp dk rhu mi&Jf.k;k e oxÊ—r fd;k x;k FkkA

cfu;knh <kpk dk oxÊdj.k%

1- 0;kikj dk cfu;knh <kpk

2- HkMkj.k vkj çlLdj.k cfu;knh <kpk

3- lgk;d vkèkkjHkr dk ljpuk ¼**rkfydk 2½**

mi&Jf.k;k e cfu;knh <kp dk oxÊdj.k

fofHkUu ckt kjk e ckt kj d cfu;knh <kp dh ryuk dju d fy, viukbZ xbZ dk;çç.kkyh fofHkUu çdkj dh voljpuk lok, l;ä :i l çfr 0;fä vk; ;k vFk0;oLFkk d mRiknu dk çHkkfor djrh gA o ijLij vU;kU;kfJr gA blfy,] cfu;knh <kp dh lokvk e l ,d dk ydj vFk0;oLFkk d fodkl ij lok, d çHkko dk fo'y"k.k djuk mi;ä ugh gkrk gA mi;ä rjhd l fofHkUu ?kVd dk ,dh—r djd cfu;knh <kp d ,d

rkfydk 1: lo{k.k d fy, p;fur ftyk dk fooj.kA

p;fur fty dk uke	p;fur xkoksa dh l[;k	ckt kj dk cfu;knh <kpk	dher vkj vkxeu
Qrgij	3	vyhx<	vyhx<
gehjij	3	ç;kxjkt	ç;kxjkt
dkuij ngkr	2	bVkok	ckrk
ejB	3	Qrgij	bVkok
>klh	1	>klh	Qrgij
yfyrij	3	Dkuij	gehjij
		yfyrij	>klh
		y[kuÅ	dkuij
		ejB	yfyrij
			y[kuÅ

rkfydk 2: mi&Jf.k;ksa esa cfu;kuh <kpk dk oxhZdj.k

0;kikj dk cfu;kuh <kpk	QVdj 0;ikjh] xSMx vkj ç;kx'kkyk dk fo'y"k.k] edfudy ;kM] iYynkj] nj çn'ku ckM] ifjogu ,tfl;k] Fkksd] foØrk rFkk 0;kikjh
HkMkj.k vkj çlLdj.k cfu;kuh <kpk	vkjk e'khu] vêk pôh] dkYM LVkjt] d,eu doj uhykeh g,y] vke [kyh uhykeh g,y] fey] v,;y Li,byj] çlLdj.k bdkb]otuh midj.k
lgk;d vkèkkjHkwr	cd] dVhu pk; dh ndku] d,eu ;fVfyVh ¼o,'k:e] 'kkpky;½] fdlku foJke d{k] xkMke ifjpyd] ikÉdx lfoèkk,] ifyl] Mkd?kj] vkoklh; Hkou] lj{kk pkfd;k] tykiÉr ¼uydi] gMii½ vkj ty vkiÉr ikbi

lexh lpdkd dh x.kuk dju dh vko';drk gA volj puk fodkl lpdkd dh x.kuk bÝkLVDpj lokvk d fofHkUu ?kVdk d Hkkfjr vklr d :i e dh tk,xh] tgk otu ?kVdk d fHkUurk d foijhr cnyrk g A

ekuk fd X_{ij} nygu dh j^{th} eMh d i^{th} lpd g A ;fn Y_{ij} foi.ku cfu;kuh <kpk dk

ekud ldrd gA rc ge Y_{ij} dk bl çdkj ifjHkkf"kr dj ldr g A

$$Y_{ij} = \{X_{ij} - \text{Min}(X_{ij})\}/\{\text{Max}(X_{ij}) - \text{Min}(X_{ij})\}$$

tgk] eDl (X_{ij}) vkj feu (X_{ij}) nyguh Qly k d fy,, j^{th} eMh d fy, ι^{τη} ldrd d vf/kdre vkj U;ure eY;k dk n'kkr gA u, :ikrfjr pj (Y_{ij}) dk eku 'kU; l 1 d chp gkrk gA nyguh Qly d fy, j^{th} eMh d vU; ldrdk ¼m -1) d fy, bl dne dk ikyu fd;k tkrk gA

geu ifjHkkf"kr fd;k

$$Yj = w_i Y_{ij} \quad \text{.....} \quad (2)$$

tgk] w_i $(0 < w_i < 1$ — 0 $w_i = 1)$ d otu dh x.kuk fuEukulkj dh tkrh g

$$_1 = k/\sqrt{variance(Yi)}$$

foi.ku cfu;kuh <kpk dk ekud ldrd

$$Y_j = W_1 Y_{1j} + W_2 Y_{2j} + ... + W_m Y_{mj.}$$

tgk out $_i$ cfu;kuh <kp lokvk d lcf/kr ldrd d foijhr cnyrk gA

blfy,] $0 < W_i < 1$ vkSj $W_1 + W_2 + W_3 + ... + W_m = 1.$

ifj.kke ,oa foopuk

nyguk dk T;knkrj mif{kr fdlkuk }kjk mif{kr Qly d :i e mxk;k tkrk g] tk mÙkj çn'k d cny[kM {k= tl fo'k"k {k= e dfær gA mÙkj çn'k ¼;ih½ d cny[kM {k= e ;ih d 7 fty ¼cknk] tkyku] >klh] yfyrij] gehjij] egkck vkj fp=dV½ 'kkfey gA ;ih d —f"k&tyok; {k=okj fo'y"k.k l irk pyrk g fd cny[kM {k= vdy gh çe[k nkyk d mit Hkfe dk 60% mit Hkfe {k= gA cny[kM {k= nkyk d mRiknu dk e[; dæ gA fdlkuk dh vFk0;oLFkk —f"k ij vkj fo'k"k :i l nkyk d mRiknu ij fuHkj djrh g A ;g de o"kk vkj 'k"d {k= d vrxr vkrk g] tk vkerkj ij l[k l çHkkfor gkrk gA xe ekle d nkjku ueh d udlku l feêh e ych vkj xgjh njkj vk tkrh g] ftl ekj vkj dkoj dgk tkrk gA bl {k= dh Qly dh rhork yxHkx 124 &126% gA cny[kM {k= l[kk çHkkfor {k= g cny[kM {k= d fofHkUu ftyk e o"kk dh deh vkj l[kk vke ?kVuk g ¼2004&05 l 2007&08 dh vof/k e o"kk fjkV½A vkdM l n[k ldr g fd fiNy db o"kk l lkekU; o"kk l de ckfj'k nt dh x;h gA tk ;g Li"V djrk g fd nkyk dk de ueh ,o dfBu okrkoj.k fLFkfr e mxk;k tkrk g A çfr 0;fä de vk; vkj ty llk/kuk dh deh d dkj.k fdlku doy nkyk dk mxku d fy, etcj g A budh vkthfodk dh fLFkjrk d fy, ;g {k= ty llk/ku vkj ty lj{k.k rduhdk dk ykx dju d fy, dkQh vudy g rkfd nkyk ij mudh fuHkjrk dh Hkjikb dh tk ld lkFk gh lkFk ljdkj dk U;ure leFku eY; ¼MSP) ij nkyk dh [kjhn d lkFk {kfrifr dj bl {k= e —f"k dk ykHknk;d cuku d fy, gLr{ki djuk pkfg,A cny[kM {k= d fofHkUu ftyk e Qly Lo:i uhp fn[kk;k x;k g ftle vf/kdre dy {k= >klh d vrxr] U;ure dy {k= cknk d vrxr g] ogh lky e vf/kdre 'k) ck;k x;k {k= cknk] bld ckn tkyku] >klh] gehjij] yfyrij vkj egkck vkrk gA vf/kdre Qly dh rhork yfyrij vkj >klh e g tk dy cny[kM {k= l vf/kd gA vf/kdre flfpr {k= gehjij ¼64%½ fp=dV ¼50%½ vkj tkyku ¼49%½ e gA

ifjogu dk cfu;kuh <kpk lMdk dk jyo ç.kkyh d ijd d :i e QhMj d :i e dk; djuk pkfg,] yfdu eky dh lkekU; vkoktkgh d vueku l ldr feyrk g fd Hkkjr e yxHkx 61% eky lMd }kjk y tk;k tkrk g] tcfd doy 30% jy }kjk LFkkukrfjr fd;k tkrk g, Li"V :i l çrhr gkrk g fd lMd ijd gku d ctk;] jyo d fy, dMh çfrLi/kk e rÛnhy gk tkrh g vkj

rkfydk 3: cny[kM e Qly dk Lo:iA

ftyk	dqy {k=Qy	o"kZ esa ckstk x;k 'kq) {k= ¼Hα½	o"kZ esa ,d ckj lq vf/kd ckj ckstk x;k {k= ¼Hα½	Qly dh rhork ¼%½	dqy ckstk {k=Qy dh ryuk esa 'kq) fl fpr {k= dk çfr'kr
>kalh	502400	346423	118817	134	25
yfyrihj	503900	265712	119714	145	42
tkykuk	456500	348445	88760	125	49
gehjihj	428200	302514	50017	117	64
egkcck	453200	244581	47440	119	47
cknk	288400	348600	73944	121	29
fp=dwV	309200	172052	21269	112	50
dqy cnyd[kM	2941800	2028327	519961	126	44

rkfydk 4: foi.ku cfu;knh <kpkA

C;kjk	fdlkuksa dh la[;k		
	vfr mRiknu	vPNk	?kfV;k
lMd lid	87 ¼34-80½	113 ¼45-00½	50 ¼20-00½
xfMx vkj HkMkj.k d fy, txg	35 ¼14-00½	68 ¼27-20½	147 ¼58-80½
d-oh-d- / çlkj lLFkku	50¼20-00½	35 ¼14-00½	165 ¼66-60½

—f"k oLrvk d fy, ifjogu dk çe[k lk/ku cu tkrh gA nygu mxku oky {k= ;kuh cny[kM {k= e lMd [kjkc x.koÙkk dh ikb xb ¼yxHkx 50%[kjkc x.koÙkk½A

Hk.Mkj.k ykxr fofHkUu vuekuk l dy jln ykxr dk 20&25% d chp ik;h xb A bld ckotn] cny[kM {k= e HkMkj.k vkj HkMkj.k dh fLFkfr dkQh gn rd fujk'kk tud gA o;jgkmflx d ekp ij] Hkkjr e 80&85% xknke 10]000 ox QhV l de vkdkj d ikjifjd gA 250 mÙkjnkrkvk e 58 çfr'kr fdlkuk u nyguk dh xfMx vkj HkMkj.k d fy, vkl&ikl miyC/k cfu;knh <kp dk [kjkc crk;kA vr% t:jrk dk ijk dju d fy, bl {k= e cgr rth l c<u dh vko';drk g gkykfd] yxHkx 60% lfo/kk, vky dh Qly d HkMkj.k d fy, g mÙkjnkrkvk u ;g ldr fn;k fd foLrkj vf/kdkfj;k dh ;k=k dh vkofÙk de g vkj cgr de lg;kx fey ikrk g vkj KVK vf/kd nj gku d dkj.k ogk igpuk lyHk ugh gk ikrk gA

vf/kdre 58% fdlku crkr g fd xfMx Lil cgr [kjkc g] tcfd 42% fdlkuk u crk;k fd xfMx Lil vPNk vkj mR—"V gA fdlku }kjk crkb xb çe[k ck/kk, ifjpkyu Hkfe tkr] ikuh dh [kjkc vo/kkj.k] mojd vkj x.koÙkk oky ch t dh vuiyC/krk FkhA 62% fdlkuk u dgk fd dohd vkj foLrkj lLFkku d lkFk lid cgr [kjkc g] tcfd 20%vkj 14% fdlkuk u Øe'k% ldkjkRed c;ku fn;k] vFkkr mR—"V vkj vPNkA

vkifr Jh[kyk çc/ku% dVkb d ckn] mRikndk/fdlkuk }kjk dh xb vf/kdre ykxr idftx d fy, vkj de l de ykxr otu vkj lQkb d fy, gkrh gA eMh }kjk

rkfydk 5: fofHkUu çe[kk ij fuekrk }kjk 0;;

fooj.k	mRikndk }kjk 0;; ¼#/fDo½
Qke gkml / LVkj rd vlcfyx 'kYd	20
lQkb	05
xfMx	10
idftx	45
[kr HkMkj.k d nkjku vi0;;	10
lMd ,dd e ifjogu 'kYd	10
ckstkj e ifjogu 'kYd	10
ykfMx / vuykfMx 'kYd	10
deh'ku	2%
otu	05
ckstkj 'kYd	0
vU; 'kYd] ;fn dkbZ	20&30
dqy 0;; ¼#½	# 145&155 (2% deh'ku)

rkfydk 6: foi.ku ç.kkyh d ckj e fdlkuk dh /kkj.kkA

fooj.k	fdlkuk dh la[;k			
	vR;f/kd lar"V	lar"V	vR;f/kd vlar"V	vfu.kkr
foi.ku çfØ;k vkj r=	18 ¼7-20½	177¼70-80½	55 ¼22-00½	00 ¼00-00½
mRiknu dk otu ¼otu ç.kkyh½	23 ¼9-20½	77 ¼30-80½	135 ¼54-00½	15 ¼6-00½
uhykeh ep	41 ¼16-40½	95 ¼38-00½	114 ¼45-60½	00 ¼00-00½
lQkb vkj xfMx fØ;kfof/k	00 ¼00-00½	61 ¼24-40½	189 ¼75-60½	00 ¼00-00½
foi.ku 'kYd	111 ¼44-40½	149¼59-60½	00 ¼00-00½	00 ¼00-00½
ckt kj d vf/kdkfj;k dk 0;ogkj	48 ¼19-20½	69 ¼27-60½	105 ¼42-00½	28 ¼11-20½
HkMkj.k vkj xknkek dh miyC/krk	09 ¼3-60½	52 ¼20-80½	189 ¼75-60½	00 ¼00-00½
cjlkr d nkjku foi.ku çc/ku	00 ¼00-00½	68 ¼27-20½	167 ¼66-80½	15 ¼6-00½
Hkxrku dh fØ;kfof/k	00 ¼00-00½	121¼48-40½	97 ¼38-80½	32 ¼12-80½
dherk d ckj e ikjnf'krk	00 ¼00-00½	164¼65-60½	56 ¼22-40½	30 ¼12-00½
0;kikfj;k }kjk 'kk"k.kdkjh çFkkvk] ;fn dkb gk	17 ¼6-80½	45 ¼18-00½	131 ¼52-40½	19 ¼7-60½
ckfMx /vLFk;h vkokl		11 ¼4-40½	183 ¼73-20½	56 ¼22-40½
ckt kj e fueyrk	105 ¼42-00½	91 ¼36-40½	05 ¼2-00½	00 ¼00-00½
fdlkuk d chp ckt kj dh tkudkjh lk>k djuk	18 ¼7-20½	160¼64-00½	72 ¼28-80½	00 ¼00-00

lfo/kk, çnku dju d fy, [kjhnkjk vkj foØrkvk dk eMh }kjk 2%deh'ku fy;k tkrk gA Qly dVkb d ckn eMh e cpu rd d dy 'kYd yxHkx # 145 l 155 çfr fDoVy gA

efM;k d lc/k e lfpr e[; ck/kk eMh e ikjnf'krk dh deh gA ;fn eMh e fcØh d fy, udnh dh vko';drk gkrh g rk eMh }kjk 1% dh dVkrh dh tkrh g tk fdlkuk d vulkj ,d dnkpkj gA

mUg viuh mit dh fcØh d ckn 15&30 fnuk d ckn udn çnku fd;k tkrk gA 2&2-5 fdykxke çfr fDoVy iYynkjh d :i e dkVk tkrk g ¼ftl fdlkuk }kjk vo/k crk;k tkrk g½A fdlku nlh dkV d LFkku ij byDV,fud flLVe dk leFku dj jg g tk vkt dy vk jgk gA ¼;ih e ;g lØe.k d nkj e g½

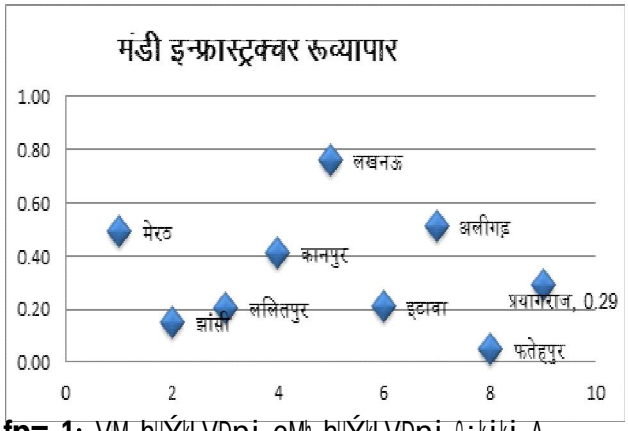
jkT; d foLrkj vf/kdkjh uV d ek/;e l lHkh efM;k dk tkMu vkj nfud ey dherk dk çnf'kr dju d i{k/kj FkA ey eMh njk vkj ,xekduV oc lkbV }kjk çnku dh xb njk e mPp folxfr gA

vf/kdk'k fdlku efM;k }kjk yxk, x, foi.ku 'kYd dk i{k yr g] lQkb vkj uhykeh ep Hkh i;kIr g yfdu lQkb vkj xfMx ç.kkyh] HkMkj.k vkj xknkek dh miyC/krk vkj efM;k e jgu vkj Bgju dh lfo/kkvk l vlr"V gA

vf/kdk'k çe[k fdlku vkj 0;kikjh ¼yxHkx 90%½ xfMx d fodYi d lkFk eU;vy uhykeh l oc vk/kkfjr b&uhykeh ep ij f'k¶V gku d i{k/kj Fk tk ikjnf'krk yku vkj le; cpku e enn dj ldrk gA ckt kj e 0;kikfj;k }kjk 'kk"k.kdkjh çFkkvk vkj ckt kj eY; vkj foi.ku 'kYd d ckj e vi;kIr tkudkjh l fdlku cgr vlrk"k e gA

rkfydk 7: fdlkuk }kjk lkeuk dh x;h foi.ku ck/kk;A

fooj.k	J.kh
—f"k {k= Lrj ij oKkfud HkMkj.k dk vHkko	9
rxh e fcØh	7
ckt kj e 0;kikfj;k }kjk 'kk"k.kdkjh 0;ogkj	1
mit dh uhykeh /fcØh dh txg dk vHkko	6
ckt kj dh dherk vkj foi.ku 'kYd d ckj e vi;kIr tkudkjh	2
0;kikfj;k }kjk vufpr 'kYd	3
0;kikjh }kjk rky e viuk;k x;k vukpkj	4
0;kikfj;k }kjk Hkxrku e njh	5
ckt kj e <ykb dh lfo/kkvk dk vHkko	8

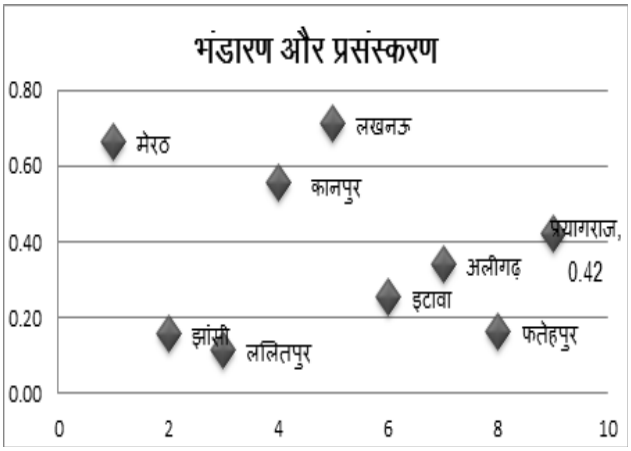


fp= 1: VM bUÝkLVDpj eMh bUÝkLVDpj 0;kikj A

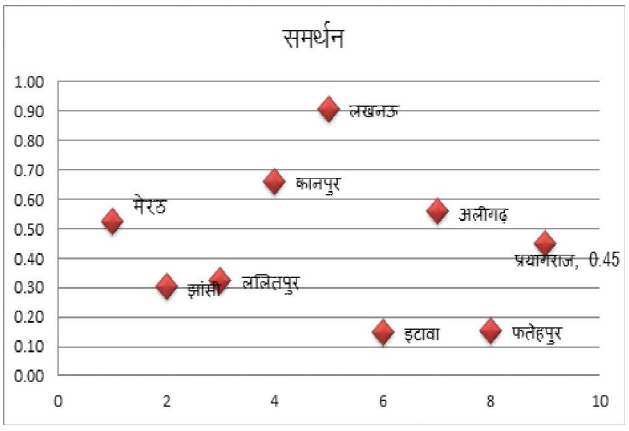
;|fi o –f"k {k= Lrj ij oKkfud HkMkj.k vkj ckt+kj e <ykb lfo/kkvk l lr"V gA fuEu rkfydk e fdlkuk }kjk viuh mit dk foi.ku djr le; lkeuk fd; x; fofHkUu foi.ku ck/kkvk dk n'kk;k x;k gA

lo{k.k l ;g n[kk x;k g fd nygu&fdlkuk d ikl de ith vk/kkj g vkj ykxr] 0;; vkj HkMkfjr vukt dhVk d dkj.k nkyk d HkMkj.k dh leL;k, g] ;|fi llkf/kr nky dk ,d o"k rd lxghr fd;k tk ldrk g tk ckt+kj dk çkl lj] feyjk vkj 0;kikfj;k d fy, vudy cukrk gA bld dkj.k] fdlku Qly d le; gh nkyk dk ,d lkFk cpu d fy, ck/; gkr g] tk fd nkyk d ekey e [krh dh ykxr dk Hkh çkIr ugh djrk gA

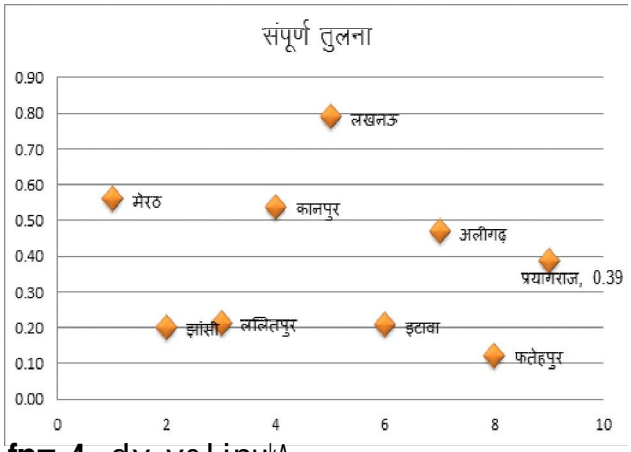
ekdV bÝkLVDpj% nj d ckt+kj] ith vkj tkudkjh dh deh d dkj.k fdlkuk }kjk viuk mRiknu LFkkuh; :i l fcpkfy;k dk cpu d fy, foo'k djr g] tk 0;kikfj;k vkj feyjk dk cMh efM;k e mit cpr gA blfy, ckt+kj d cfu;knh <p vkj nygu mRikn d vkxeu d lc/k e



fp= 2: ljpuk vkj çlLdj.k bÝkLVDpjA



fp= 3: leFku bÝkLVDpjA



fp= 4: dy voljpukA

tkudkjh dh miyC/krk cuku d fy, fo'y"k.k fd;k tkrk gA fp= e Y–v{k Ldfyx fd;k x;k g ft ldk eku 0–1 d chp gA 0 U;ure ,o 1 egÙke {kerk dk n'kkrk gA

VM bÝkLVDpj d rgr] y[kuÅ eMh lcl vPNk çn'ku djrk g mld ckn Øe'k% vyhx<] ejB vkj dkuij eMh gA Qrgij vkj >kl h e uk efM;k dh ryuk e lcl de 0;kikj cfu;knh <kpk gA

HkMkj.k vkj çlLdj.k voljpuk d rgr y[kuÅ] ejB vkj dkuij v0oy g] tcfd Qrgij] yfyrij vkj >kl h dh efM;k e HkMkj.k vkj çlLdj.k cfu;knh <kpk ugh gA

y[kuÅ] dkuij vyhx< vkj ejB dk vU; efM;k dh ryuk e vPNk lcy cfu;knh <kpk feyk gA

;fn lHkh vo;o dk ,d lkFk fopkj dju ij lex ryuk fd;k tk; rk y[kuÅ lcl vPNh eMh g mld ckn ejB] dkuij vkj vyhx< eMh vkr g] yfdu tk eMh cny[kM {k= d fudV g] mue dkuij eMh dk NkMdj vU; efM;k e vPNh cfu;knh lfo/kk, ugh gA

fu"d"k

nkyk d mRiknu e 0;kikj vkj fuo'k d fu;e mRiknu d ctk; çlLdj.k vkj forj.k }kjk fu;f=r gkr gA miHkksäkvk d i{k e nkyk d eY; e foÙkh; NV d ek/ ;e l ljdkj nkyk d eY; dk 0;kolkf;d {k= dh njk d uhp uhfrxr :i l nj fu/kkfjr djrh g, ftl l nkyk d mRikndk dk ykHk de feyrk gA de C;kt oky ØfMV] mRikndk d fy, oLr eMy] lfcl Mh çkIr mRiknd lkexh] mÙke fdLe d cht dk le;] LFkku vkj ek=k d lcèk e miyC/krk vkj forj.k] ckt+kj dh tkudkjh dk mi;kx vkfn d ekey e fdlku dk dkQh leL;k >yuh iMrh gA mRiknudrk vkj miHkksäk nkuk gh dN 0;kikfj;k

vkj çkl lj d }kjk 'kkf"kr gA uhfr fuekrkvk d fy, nygu ckt kj d fy, uhfr cukuk ,d pukrh gkrh g D;kfd çR;{k : i e jk tfufrd lkL—frd ,o dkuuh eík cu tkrk gA uhfr;k e[;r% mi Hkkäk fgrk dk/;ku e j[k dj cuk;h tkrh g ft l l fd lkuk d fgrk dk guu gkrk gA

lUnHk

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