dk;dkfj.kh l{ki

10-1 ifjp; %&

ell Jh- ojn vykbt ¼ik½ fyfeVM] ukxij ;g ik;0gV fyfeVM d- dk ithdr dk;ky; lykV u- C&1] "kojh] vikVeV] 8@B] f=erh uxj] fjx jkM] t;rkyk pkd] ukxij egkjk'V fLFkr 0nkjk ,d gfjriÍhdk lykV ftle Qjk vykbt] LikUt vk;ju] o ikoj mRikn ftle oLV fgV okVj fjd0gjh (WHRB) xke fctkHkr] rgfly fcerjk] ftYkk nx NRrhlx< jkT; e yxk;k tkuk iLrkfor gA

EIA ukVhfQd"ku So No. 1533 14 flrcj] 2006 dk tkjh gvk g vkj mld veMeUV d rgr iLrkfor lykV@vDVh0ghVh 3 (a) eVythdy bMfLVt ¼Qjk rFkk uku Qjk½ rFkk dVxjh A – ikFkfed eVythdy bMLVht vky ikt DVl d fy, i;koj.k iHkko fu/kkj.k ikf/kdj.k l lk;koj.kh; vukiRrh iek.ki= djuk vko";d gA Jh- ojn vykbt ik- fyfeVM ;g diuhu Qke 1 vkonu i= Vel vkQ jQjUl (To R) EAC, MOEF, U; fnYyh l ikIr dju gr lknj fd;k gA

mDr ifj;ktuk dk VeLk vkQ jQjUl (TOR) dk iLrrhdj.k 24 uocj 2010 dk lk;koj.k iHkko fu/kkju ikf/kdj.k dh fo"k'kK lferh d le{k iLrr fd;k tk pdk gA ftlij lferhu i= l[;k J-11011/542/2010-IA-II(I) fn- 15 fnlcj 2010 e fofo/k fcn tkMu gr fun"k fn;k gA

10-2 ifj;ktuk dk l{ki e fooj.k %&

iLrr Qjk vykbt mRiknu dkj[kku e 2 x 2.5 MVA lcetM byDVhd Qjul ¼HkÍh½] LikUt vk;ju dkj[kku e 2 x 100 TPD jkVjh dhYu rFkk 2 x 2 MW m'.krk fjd0gjh ck;yj (WHRB) jgxkA Qjk vykbt idYi jyh Tech lfoll] LikUt vk;ju idYi Lurgi Based r=Kku l cuxkA

ik;kftr iLrkr ifj;ktuk dk fooj.k Vcy u- 2-1 e rFkk brj fooj.k Vcy u- 2-2 rFkk rkf=d fooj.k Vcy d- 2-3 e fn;k gA

Vcy 10.1

ik;kftr ifj;ktuk dk fooj.k-

d-	ifj;ktuk dk idkj	{kerk	li.k ykxr
1-	Qjk vykbt ¼SiMn & Fe Mn½ lcetM byDVhd vkd Qjul (2 x 2.5 MVA)	12000 TPA	46 djkM
2	Likt vk;ju ¼jkVjh fdYu 2 x 100 TPD ½	60000 TPA	
3	Ikkoj ¼ WHRB 2 x 2 MW ½	4 MW	

Vcy 10.2

ik;kftr LFky dk foLrr fooj.k ¼10 km f=T;k½

d-	fooj.k	fMVYl
1	Ykkd"ku	fctkHkr xke] cerjk rgfly] nx ftyk] NRrhlx< jkT;
2	Hkkxkfyd ikth"ku	v{kk"k & 81^0 33^ 29-21^^ E l 81^0 33^ 38-55^^ E n"kkrj & 21^0 39^ 49-73^^ N l 21^0 40^ 1-22^^ N
3	mpkb	271 ehVj len ry l

4	;ktuk d fy, yxuokyh Hkeh	14 ,dM ¼5-66 gDVj½
5	l/;k fLFkrhe mi;kx e ykb gb Hkeh	[kktxh Hkeh
6	Vju	[krh d fy, Hkeh
7	Hkeh dk idkj	ojVhLoky Dy ,UM gydh dky jx dh Hkeh
8	Hkdih; tku	II ¼U;ure l e/;e½ IS : 1893-2002 d 0;k[;k d vrxr
9	fudVRke gk;o	jk"Vh; jktekx 12 A – 2 km NE
10	fudVRke ie[k jYo LV"ku	frYnk LV"ku 6 km ESE
11	fudVRke gokb vÏk	ekuk ¼jk;ij½ 80 km
12	fudVre xke	fctkHkr & 0-8 km, South
13	fudVre "kgj	cerjk 6 km NNW
14	ekU;eUVl	dN ugh
15	vkfdvkykthdYk ie[k LFky	dN ugh
16	vHk;kjU;	dN ugh
17	okVj ckMh	f"koukFk unh 4 km SSE

Vcy 10.3
ik;kftr ifj;ktuk dk rdfudh fooj.k

Lk;=	foLrkj l fooj.k
Qjkvykbt %&	
Qjul {kerk	2 x 2.5 MVA
mRikn	Qjkvykbt %& gkb dkcu Qjkexuhz @ flyhdku exuhz rFkk e/;e dkcu flyhdku exuhz
Qjul dk idkj	lcetM byfDVd vkd Qjul
vf/kdRke rkieku	1450^0 C vkQ ¶Y; xll
in"k.k fu;=.k l;=	Likd vjLVj] cx fQyVj rFkk fgV ,Dlptj
dyhx flLVe	rkc dh ufy;k ¼buyV ty dk rkieku 35 l 40^0 C, vkmVyV ty dk rkieku 45 l 50^0 C ½
LikUt vk;ju l;= %&	
ik;kftr {kerk	2 x 100 TPD
r=Kku	dky cLkM@bfMftUkl r=Kku
fdYu dk idkj	fjQDVjh ykbUM oly
vf/kdRke rkieku	1000 l 1150^0 C
fdYu d fy, f¶;,y iLrkfor	dk;yk xM F
okf'kd f¶;,y fd vko";drk	85,000 TPA

v"k dUVUV	27%
/kkrey tuj"ku	25,000 TPA
WHRB (Waste Heat Recovery Boiler) :-	
{kerk	4 MW
L=kr	oLV fgV Qke ¶Y; xll

10-3 ikFkfed vko';drk, %&

10-3-1 Hkeh %&

iLrkfor ifj;ktuk Hkeh [kktxh Hkeh g rFkk ble lkykuk ,dckj [krh lHko gA ;g li.k Hkeh dk {k=Qy 14 ,dM (5.66 Ha) rFkk iLrkfor gfjrÍh fodkl {k= dk {k=Qy 4-77 ,dM (1.93 Ha) gA

10-3-2 dPPkk eky rFkk fooj.k %&

iLrkfor ;ktuku Qjk vykbt ;fuV d fy, yxuokyk dPpk eky bl idkj gA LikUt vk;ju lykV e yxuokyk dPPkk eky vk;ju vkj] Mkykekbt] dk;yk gA Vcy 10-4 e bldk li.k fooj.k gA

Vcy 10-4 %

dPPk eky dk li.k fooj.k rFkk vko';drk,

l;=	dPpk eky	{kerk (TPA)	L=kr
LikUt vk;ju	vk;ju vkj	110000	NMDC RkFkk mfMlk [knku
	dky	85000	SECL fydt
	Mkykekbv	5000	Ykkdy ekdV
Qjvykbt l;=	exuht vkj	13000	e/; Hkkjr dh [knkuk l
	dkcu fjM;lj	1850	
	Mkykekbv @ exulkbV	1500	
	DokVt	500	
mtk l;= (WHRB)	oLV fgV ¶Y; xlll	NA	?kj e
ukV % dPp eky dk vkoxeu Vd 0nkjk fd;k tk,xkA lHkh Vd GOI ,fe'ku iko/kku j[kk tk,xkA			

10-3-3 ty %&

iLRkr iLrkfor ifj;ktuk d fy, yxuokyk ty lkr Hkeh ty gkxkA bld fy, dUnh; Hkeh ty eMy l vko";d iek.ki= fy;k x;k g A iLrr dk fooj.k 10-5 e gA

Vcy 10-5

ty vko';drk eh³ / fnu

d-	fooj.k	eh³ / fnu	L=kr
1	mtk l;= ck;yj	50	ckjoy iLrkfor lykV d Hkhrj
2	dyhx d fy,	80	
3	?kjy d fy,	20	
4	gfjriÍhdk d fy,	20	
	dy tkM	**170**	

10-3-4 fo|r dh vkirh %&

blh mRikn l fuek.k gkuokyh fctyh (WHRB) mofjr NRrhlx< jkT; byfDVflVh eMy l ikIr gkxhA bldk fooj.k tk ik;kftr ifj;ktuk d gr bLreky gkxhA Vcy d- 10-6 e fn;k gA

Vcy 10-6

mtk vko';drk dk fooj.k

l;=	mtk fd vko';drk	L=kr
LikUt vk;ju lykV	2 MW	(WHRB) mtk l;= rFkk Qke CSEB
Qjk vykbt lykV	4 MW	
dy tkM	**6 MW**	

10-3-5 ekuo "kfDr dh vko';drk, %&

ekuo "kfDr dh vko";drk, vkl ikl d bykd l ijh gkxh tc d"ky dkexkj rFkk rduhdh fo"k'kK ckgj l ikIRk gkxA fuek.k dk;dky e yxuoky dkexkj o l;= "k: djuoky dkexkj dk fooj.k 10-7 e fn;k gA

Vcy 10-7

ekuo "kfDr dk fooj.k

l;=	0;0kLFkkiu	lijok;>jh	d'ky	vd'ky	dytkM
LikUt vk;ju	8	7	25	60	100
Qjk vykbt	3	4	15	29	51
mtk (WHRB)	3	5	18	14	40
dytkM	**14**	**16**	**58**	**103**	**191**

ukV %& ykdy dkexkj rFkk vkl ikl d dkexkjk dk ik/kkU; fn;k tk,xkA

10-4 i;koj.kh; fo'y"k.k dk;de %&

10-4-1 ekle lc/kh

iLrkfor txg ij ekle ok; vkfn lc/k e tk fufj{k.k fd;k mle BMh d fnuk e ok; iokg mRrj ioh fn"kk l ik;k x;kA ftldk mDr dky e ckjhdh l fufj{k.k fd;k x;kA "kkr okrkoj.k 9-92 % li.k d fgLkkc l jgkA lk/kkj.k gok dh xrh fnlcj 2010 l Qc 2011 e 1-6 m/Sec. jgkA

10-4-2 vEchvUV ok; x.koRrk %&

vEchvUV ok; x.koRrk (AAQM) v/;;u {k= d 10 fd eh f=T;k e vku oky {k= e fd;kA AAQ blidkj l fu/kkfjr fd; x; tl fup fd vkj cgko]

dkl gok dk cgko] tehu l mij dh vkj dk cgko ik;kftr idYi LFkku ij mijkDr v/;;u fd;k gA AAQ dk iek.k ik;k ;g Vcy d- 10-8 e fn;k gA

Vcy 10-8

ifjo'kh; gok x.koRrk LFkj bu v/;;u {k= e & micro gm/m³

d-	fooj.k		U;ure	vf/kdre	CPCB Ek;knk
1	SPM		66	148	---*
2	RPM	PM 2.5 micron	13	32	60
3		PM 10 micron	25	55	100
4	SO_2		6.1	12.1	80
5	NO_x		9.0	18.2	80
6	O_3		BDL	BDL	100
7	Benzene		BDL	BDL	05

*** SPM d fy, dkb LVUMM ugh**

10-4-3 /ouh Lrj ik;kftr LFky ij %&

/ouh Lrj dk v/;;u 10 fofHkUu txg ij ukik x;k tk vkoklh; ifjflek d Hkhrj gA

10-4-4 ty x.koRrk %&

Hkty ,o lrg ty fofHkUu 10 txg ij rFkk Hk&ty 2 txg ij fufj{k.k gr fy;k ft ldk fooj.k uhp fn;k gA

Hk&ty x.koRrk % fufj{k.k

- pH dk cnyko 7.20 l 7.52
- TDS dk cnyko 178 mg/l l 205 mg/l
- Cl_2 dk cnyko 22 mg/l l 40 mg/l
- Fl_2 dk cnyko 0.10 mg/l l 0-22 mg/l

Lkrg ty x.koRrk % fufj{k.k

- P^H dk cnyko 7.60 l 7.90
- TDS dk cnyko 182 mg/l l 190 mg/l
- Fl_2 dk cnyko 0.4 mg/l l 0-6 mg/l
- li.k gkMul dk cnyko 67 mg/l l 102 mg/l
- Cl_2 dk cnyko 18 mg/l l 39 mg/l

10.4.5 enk x.koRrk %&

Eknk x.koRrk dk v/;;u mRikn {k= l vkl&ikkl d ifjlj e fd;kA enk d ueu 8 fofHkUUk enk Lrj ¼uhpkb dh vkj l½ v/;;u gr fy, x; Hkkrhd jkl;fud x.koRrk tkph x;hA

10-4-5-1 enk x.koRrk v/;;u enk fufj{k.k %&

- Eknk dk jx ckÅu ik;k x;k
- enk P^H lk/kkj.k rFkk vYi lkYVh jgh tl 7-2 l 7-5
- N_2 dk iek.k enk e 563 l 600 Kg/ha
- QkLQjl dk enk Lrj 45 l 50 Kg/ha
- ikVf"k;e dk enk LRkj 114 l 150 Kg/ha

10-4-6 lk;koj.kh; lonu"khy {k= %&

v/;;u {k= d 15 dh eh d f=T;k e vkjf{kr ou] Vk;xj] gkFkh] vHk;kjU; b-lÌfLFkrh ,o Hkfo'; e vkuoky d /;ku l li.kr% foeDr gA

d-	fQpjl	vfLrRo 15 dh eh ik;kftr {k= d Hkhrj
1	vHk;kjU;	dN ugh
2	gkFkh@ckx vHk;kjU;	dN ugh
3	ekbxVjh ekx	dN ugh

10-5- lk;koj.kh; iHkko ik;kftr mide d LFkku ij-

lkk;kftr fo|r l;= dk iHkko fuEu fyf[kr rkj ij gA

- ❖ mRikn {k= dk;kUo;u d le;
- ❖ mRikn {k= dk; "k: gku d ckn-

10-5-1 mRikn {k= dk;kUo;u d le;

mRikn {k= dk;kUo;Uk l d le; iHkko bl dk; d nkjku SPM, RPM, (PM $_{10}$, PM $_{2.5}$) SO_2, NO_x, rFkk CO dh ek=k NkV ieku ij c< ldrh gA ydhu bldk vlj rRdkyhu jgxkA rFkk iLRkkfor ifj;ktuk d {k= l gh tMk jgxkA

ty in'k.k blh nkjku NkV ieku ij rFkk uk d cjkcj jgxkA /ouh in'k.k uk d cjkcj jgxkA enk x.koRrk ij vklikl d bykd e iHkko Hkh uk d cjkcj jgxk rFkk vLFkk;h gkxkA tohd rFkk ouLirh ij Hkh bldk iHkko ux.; jgxkA bl rjg lolk/kkj.k rkj ij dk;kUo;u d le; tk cnyko vk;x o lHkh LRkj ij ux.; Lo:lk d rFkk vLFkk;h gkxA

10-5-2 mRikn {k= dk; 'k: gku d ckn iHkko %&

10-5-2-1 ok; dh x.koRrk dk iHkko

ie[k ok; Lrj in'k.k e iVhd;yV eVj PM_{10}, SO_2, NO_x gkxkA LVd] ¶y xl rFkk v"k dk okrkoj.k e folx dk fooj.k Vcy d- 10-9 e fn;k gA

rFkk Qjk vykbt Qjul l fudyu oky xll Hkh gkxA jk eVjhvy ykMhx vuykMhx eVjhvy VkULQj b- l Hkh in"k.k gkxkA (WHRB) l ghV fjd0gjh e Hkh dN xll fudy ldr gA ;g ESP (50 mg/Nm^3) fM>kbu l ikl djd fu;f=r fd; tk;xA rFkk budh ek=k U;ure ekidk e fu/kkjhr dh tk;xhA LikUt vk;ju] Qjk vykbt l xll e SPM, SO_2, NO_X dh ek=k GLCS ¼xkmM yoy dkUlV'ku½ l ekuhVj dh tk;xhA

Vcy d- 10-9

fpeuh 0nkjk ckgj tkuoky xll dk iLrkfor dk fooj.k

fooj.k	;fuVl	Qjkvykbt	Likt vk;ju
lykV dh {kerk	-	2 x 9 MVA	4 MW
b/ku dh [kir	TPD	-	232 (Coal)
fpeuh dh mpkb	m	30	60
fpeuh dk 0;kl	m	1.0	2.0
¶Y; xl dk rkieku	^OC	160	164
¶Y; xl dh xrh	m/s	3.5	4.4
v"k dh ek=k	%	-	27
lYQj dh ek=k	%	-	0.63

fpeuh d 0nkjk (SPM)	g/s	0.13	0.69
fpeuh d 0nkjk SO_2	g/s	&	6-11
fpeuh d 0nkjk NO_x	g/s	&	10-42

mijkDr fn; gv okrkoj.k ok; folx MVk d vk/kkj ij ;g vk/kkj cukdj PM_{10}, SO_2, NO_x dk iek.k fu/kkfjr fd;k gA ;g c<k gvk Lrj dk vk/kkj GLCs, USEPA rFkk fu/kkfjr ISCST3 ekMy dk mi;kx dj rFkk iLrkfor l;= mRikn “k: gku d ckn d fLFkr dk vueku uhp 10-10 Vcy e fn;k gA

Vcy 10-10

iLrkfor ifj;ktuk dk;jr gk.k d ckn fd ifjfLFkrh micro grm/ m^3

fooj.k	**ijfVD;yV eVj (PM_{10})**	**SO_2,**	**NO_x**
clykbu ifjn'; ¼vf/kdre½	70	17.9	27.1
vuekfur GLC ¼vf/kdre½	4.6	2.9	10.2
dy ifjn'; ¼[kjkc [krh e½	**74.6**	**20.8**	**37.3**
MOEF/CPCB fu/kkjhr {kerk	100	80	80

The predicted ground level concentrations are superimposed on the baseline levels. The post project pollution levels are found to be within the CPCB limits.

gok in'k.k fu;=.k mik;%&

uhp fn; mik; in'k.k fu;=.k d fy; fd; tk;xA

- Qjk vyk; ;fuVe iVhD;yV eVj fu;f=r dju d fy, (50 mg /Nm^3) Lkk;Dyku ,o cx fQYVj dk mi;kx fd;k tk;xkA
- iVhD;yV eVj Flue gas e fu;f=r (50 mg/Nm^3) 99.9% mi;Drrk d ESP yxk; tk;xA
- NO_x fu;=hr dju d fy, LVhe tujVj yxk; tk;x ftle yk cuj NO_x yxxA NO_x dk fuek.k LVhe tuj"ku e 750 mg/ Nm^3 fu/kkfjr dju d fy, fo"k'k ic/k fd; tk;xA NO_x yoy dk GLCS v/;;u ekidkdk /;ku e j[kdj fd;k tk;xkA
- dky MLV in'k.k fu;=.k e j[kud fy, MLV li"ku MLV ,DLVD"ku Unit yxk; tk;xA
- MLV dyD"ku flLVe e MLV rFkk ehFku tlh xll dk ijk /;ku j[kk tk,xkA MLV dyDVj l inf'kr goke budk iek.k 50 mg/Nm^3 l de jgxkA
- vn#uh jkLr dkdhV d cuk; tk;x
- Lkk ifr"kr Slag y.M fQyhx rFkk VkbYl fuek.k e mi;kx e yk;h tk;xhA
- Lkk ifr"kr Char Q;;y dh rkj ij mi;kx fd;k tk;xkA rFkk dky chDl e mi;kx e yk;k tk;xkA
- Hydro bins dk i;kx fd;k tk;xkA

gok x.koRrk fu;=.k %&

fpeuh **xl fu;=.k %&**

fpeuh xl fu;=.k d fy; fpeuh ekfuVjhx ;= dk mi;kx fd;k tk;xk ftle lYQj Mk;vkDlkbM] vkDlkbMl vkQ uk;Vktu o iVhD;yV eVj dk fu;=.k fd;k tk,xkA SPM, RPM, SO_2, NO_x vknh d fy; vefcvUV gok fu;=.k CPCB fu;ek dk /;ku e j[kdj fu;=.k fd;k tk,xkA

10-5-2-2 ty x.koRrk ij iHkko %&

mijkDr ifj;ktuk d fy, tk ty yxxk og Hkeh ty l ikIr fd;k tk;xkA bld fy, lcf/kr eMyk l vuerh ikIr dh tk;xhA mRiknu d nkjku tk ty fudyxk mldk okVj cyl uhp Vcy 10-11 e fn;k gA

ty in'k.k fu;=.k %&

mRiknu e yxu okyk ty **ETP** e ifd;k dj mldk iumi;kx MLV li"ku e fd;k tk,xkA luVjh ?kjy inf'kr ty cn ukyh e llVhd Vd e ifd;k dj gfjr iVVhdk flpu e mi;kx fd;k tk;xkA f>jk ,Qy,V fMLpkt iLrkfor ;ktuk e ijhrjg l vuekfur gA

ty x.koRrk fu;=.k %&

xkmM okVj rFkk lrg ty dh x.koRrk] bQy,V x.koRrk rFkk /ouh Lrj dk fu;=.k fu;fer rkj ij fd;k tk;xkA rFkk bldk fjikV **SPCB** rFkk **MOE & F, GOI** dk fn;k tk;xkA

10-5-2-3- /kkrey rFkk Char dk fuek.k o mldk lk;koj.k ij iHkko %&

lkfyM oLV tuj"ku dk li.k fooj.k Vcy 12 e fn;k gA fdlhrjg dk ck/kd oLV r;kj ugh gkxkA Lyx fuek.k 10000 TPA rFkk Char fuek.k 25000 TPA gkxkA bldk mi;kx ikij bMfLV e fd;k tk,xkA Char rFkk Dolochar dk FBC e Q;y dh rjg fd;k tk;xkA dky fcDl Vkby efuQDpjhx e mi;kx fd;k tk;xkA Lyxk dk mi;kx yUM fQfyx rFkk Vkby fuek.k e fd;k tk;xkA

Char/Dolochar dk mi;kx ¶;,y d rkj ij FBC e gkxkA

- dky fcDl m|kx cuxkA
- VkbYl mRikn e /kkrey dk jk eVjhvy djd mi;kx gkxkA
- /kkrey Hk&Lrj (Land fitting) e bLreky gk ldxkA
- VkbYl m|kx e c<k=h gkxhA

Vcy 10-12
lkfyM oLV tuj'ku rFkk mldk mi;kx

Ø-	fooj.k	{kerk	fjekd
1	pkj @Mkdkpkj	25500 TPA	Q,Yl d rkj ij mi;kx rFkk VkbYl fuek.k e
	jk[k	5740 TPA	fleV bMfLV
	Lyx	2400 TPA	y.M fQfyx] Vkby fuek.k
	?kjy Bkl vif'k"B	35 kg/day	xhu cYV d fy;

10-5-2-4 /ouh iHkko

d"kj ;fuV] tujVj rFkk byfDVd vkd Qjul l /ouh fuek.k gkxkA bldk fu;f=r dju d fy, iHkkoh mik; fd, tk;xA /ouh fu;=.k l;= dk fuek.k ftle 85 dB (A) dk iek.k j[kk tk;xkA tk OSHA jX;y"ku d Hkhrj jgxkA

10-5-2-5- Hkeh dh x.koRrk ij iHkko %&

pdh ifd;k fd;k gvk mofjr ty bjhx"ku gfjriÍhdk flpu] rFkk Inland ty MOEF/CPCB fun"kk d Hkhrj jgu l vklikl d Hkeh ij dkb Hkh foifjr ifj.kke dh lHkkouk drb ugh gA

10-5-2-5- tohd iHkko %&

tohd rFkk ouLirh ij bldk foifjr ifj.kke ugh gkxkA

10-6 EMP d fy, vkfFkd iko/kku %&

i;koj.k dh lj{kk gr ic/ku u bld fy, vko";d fu/kh dk iko/kku viu diuh dh vkj l ijh rjg j[kk gA rkfd lk;koj.k "k/n j[ku e fdlh rjg dh fnDdr uk gkA ;g iko/kku lk;koj.k lc/kh fu;ek dk /;ku e j[k d fd;k gA ik;kftr ifj;ktuk d fy, li.k mRikn {kerk iklr dju gr Hkh li.k idYi fu/kh dk iko/kku Hkh gA mijkDr funf"kr fu/kh dk fooj.k fup fn; Vcy 13 e gA

Vcy13

d-	fooj.k	dfiVy dkLV ¼:Ik, yk[k e½	fjdfjx dkLV ¼:Ik, yk[k e½
1	Qjk vykbt ;fuV cx fQYVj vkj MLV li"ku ;fuVl	60	6
2	Likt vk;ju ;fuV cx fQYVj vkj MLV li"ku ;fuVl	60	6
3	ikoj lykV ESP, ETP, LVd	300	30
4	STP, juokVj gkjoLVhx] LVke okVj] MUl	30	4
5	gfjr iÍhdk fodkl	10	
	Dy	**460**	**46**
ikt DV dh dfiVy dkLV@Qjk vykbt] Likt vk;ju] WHRB = 4600 yk[k-			

CSR xfroh/kh;k %& dy ykxr d 5% fu/kh CSR xfroh/kh;k d fy; ljf{kr j[kk tk;xkA ckn e ikfQVe dk 2% fu/kh lk"ky ftEenkjh;kd fy; ljf{kr j[kk tk;xkA

uhp fn; x; fcnvk ij /;ku j[kdj lk"ky oyQvj dk Hkh /;ku j[kk tk;xkA

tl-

1- LFkkuh; jktxkj dk ikFkfedrk fn;k tk;xkA
2- LFkkuh; fuoklh;k d fy; gYFk dEi rFkk eMhdy ,M dk iko/kku fd;k tk;xkA
3- ykdy uktokuk dk f"k{kk e ennA
4- o{kkjki.k dk;de dk vk;ktu-

10-8 Lkekftd ,o vkFkhd miyC/kh;k %&

tul[;k rFkk lkekftd ,o vkfFkd iHkko mijkDr mRiknu d ckn bl m|kx 0nkjk mijkDr "kh"kd d vrxr vud Qk;nen miyC/kh;k gkxh tl-

❖ jktxkj miyC/krk

- jktxkj LFkyrj.k e deh
- lok {k= e c<k=h
- ;g mRiknu dk; “k: gku d ckn blh bykd tk mRikn gkxk mldk eY; T;knk gkxkA Hkeh d nj e on/kh gkxhA
- bll edku fdjk;k c<xkA dkexkj dk mRiUu c<xkA lkekftd vkj lkLdfrd okrkoj.k e rjDdh gkxhA
- bll ;krk;kr] njlpkj] lgr vkj “k{kf.kd foHkkxk e Hkh on/kh gkxhA
- 0;kikj vkj mn;kx c<u l jktxkjh c<xhA

bu lc dk lkekftd vkj vkfFkd okrkoj.k ij Qk;nen vlj gkxkA

fu’d’k

vH;kl e iLrr l;= l fuek.k gkuoky ie[k i;koj.kh; cnyko dk ijk v/;;u fd;k gA ble GLC yoy PM, SO_2, rFkk NO_x dh U;ure ek=k fu/kkfjr dh g bldk iHkko 1 fdeh f=T;k d Hkhrj rFkk tgk l fpeuh xll fudyx mld mRrjh io fn”kk e jgxkA rFkk fpeuh xl ek=k fu/kkfjr (CPCB) d e;knk d Hkhrj gh jgxhA

inf’kr ty fu/kkfjr fu;evrxr iØh;k fd;k tk;xkA iØh;k fd;k ty iumi;kx tl tyflpu rFkk gfjriVVh flpu e mi;kx fd;k tk;xkA blrjg l inf’kr ty dk fulkj.k zero discharge d rRo ij jgxkA pkj @Mkdkpkj dk mi;kx FBC e Q;,y d rkj ij fd;k tk;xk rFkk yM fQyhx] VkbYl cukuk rFkk dky fcdV bR;knh mRiknu dj dk mi;kx fd;k tk,xkA

EMP d fu;ek vrxr vl l;= l i;koj.k iHkko dk ijk /;ku j[kk gA vDVhohVh dk Hkh iko/kku gA bl rjg lkekftd vkfFkd xfrfo/kh;k ij vPNk iHkko vif{kr gA