

Paristhitikiy Paryatan: Vikas Avam Sambhavnaye (Yamuna Besin : Gadhval Himalay)

ikjflfkrd; lk %u% fockl , d l hhouk a
¼ epk cfl u % Xokoy fgeky;)



Geography

KEYWORDS :

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ABSTRACT

Eco-tourism is the combination of two basic concepts namely Ecology and Tourism. Integration of these concepts is a unique idea to conserve the environment and development of tourism. This helps to protect the local ecology on the one hand and it promote revenue collection, employment and infrastructural development on the other. Today, eco-tourism is attracting global attention for conservation of natural and cultural resources and development of tourism. Eco-tourism tries to develop and manage the tourism with concern of environment, development, employment, income, education, awareness, regional natural and cultural resources as well as local community. According to the World Travel and Tourism Council (WTTC) report, 2013, tourism is the world's largest industry and the turnover was \$358.9 billion. According to WTTC Eco-tourism is the fastest growing industry. UNO celebrated the year 2002 as a Eco-tourism year. Which makes it popular in the world.

The government of India has also made policy for tourism development which helps it to grow faster. The growth rate of Indian tourism industry was 7.3% in 2014. The total foreign exchange earned from this industry was 1100 billion rupees in 2013. The arrival of foreign tourist was 7.36 million in 2012 and it is estimated that it will reach 13.43 million by 2024. The Himalayan state, Uttarakhand is famous for its natural beauty and panorama in the world. This region is attracting the tourists for a long time from the different part of India and world. Most of the tourists are pilgrimage oriented though, natural beauty, biodiversity and healthy climate is a main attraction. It helps in peoples well being and economy of the region stronger.

The western part of this region is drained by the river Yamuna, a main tributary Ganges. The region is full of Snow-Leopard, Tiger, Musk Deer, Bharal, Himalayan Thar, Leopard, Cat, Bear, Kakhar etc. wild life, birds are -Monal Pheasant, Cocklance Pheasant, Kaleese, Chakore, Golden Eagle, Mountain Clave etc. are the main attraction. The National Parks, Sanctuaries, Deer Parks, Wetland conservation and forests of this region are the addition to its beauty. Yamunotri glacier; Banderpunch, Shrikanth etc. peaks, Harkidun, Kedarkantha, Kanasar etc. alpine pasture meadows (Bugyals), Sarutal, Saptrishikund, suryakund etc. lake (Tal), and Nagtibba, Magra, Kempty, Dhanolty Eco-Park, Tigerfall etc. are the main tourists attraction of this area. River rafting facilities are also available in the river Yamuna and Tons. These all characteristics makes a strong background for the development of Eco-tourism in the region. This paper is a geographical study of development and potential of Eco-tourism in Yamuna basin of Garhwal Himalaya region.

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- l ekt ds l eoksh fodkl ds fy, Hh ikj lFfrdh lk Z'u 'kunkj

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- v'k'w'j d l j'puk ds fodkl eal gk d

v/; ; u {le-& fgeky; h j kT; mly'k k M eaf o' elu iNfrd l k'N; Zunk& ?kV; k'w' fge'k'N' i oZ' f' k' l j' rky' > j u s c'k' ky' ufn; k'w' ?kus oul ; g'w' dh t S' f o f o / k r k o L o L F; o / k Z l t y o k q r F k f o f' k v l k'w' f r d o , s r g k l d ? k v d e g' b i w Z g A ; g'w' N % j k V h m | k u l N % o l i t h o f o g j l n s u e H s e v l j f f k r r F k , d t h e. M y v l j f f k r { l e - f o | e k u g A b u e s l s d l e w' u s k u y i k d Z v l j j k t k t h u s k u y i k d Z d s c l k v l j f f k r { l e - ? k' l r f d ; k x ; k g A Q y' l a d h ? k' w' h u a n k o h j k V h m | k u r F k t k s h e B { l e - d s j B e k e q' H' k' u r' d s ; w l d k s d h f o j k r l r l p h e a' k f e y f d ; k x ; k g A



; s l Hh r' b bl {le- eai k j lFfrdh lk Z'u dsfy, reke l Hhok' aiZr' djrh gA o'Z 2000&01 eaj kT; eai k j lFfrdh lk Z'u ea iZ'q' j k V h m | k u l e a n s' k f o n s' h l k Z' d h d l [a k 67776 r F k j k t L o i H' r 85-05 y k l k F k t k s 2012&13 e a c - d j O e' k' 292501 l k Z' d r F k j k t L o 790-155 y k l k g k x; k A

iZr' 'k' eamly'k k M fgeky; ds; eap; csl u dk fo' k'k v/; ; u fd; k x; k gA x-c'ly fgeky; dk; eap; csl u mly'k k M j k T; ds mly'g & i f' p e Hx e a v o f l F r ; g m l j d k H' f v g h r F k n g j k w t u i n o d s i f' p e h H x e a Q s k g A b l d k { l e - h f o l r j 3 0 ^ { \circ } 3 2 ^ { \circ } 2 2 ^ { \circ } m l j h l s 3 1 ^ { \circ } 1 7 ^ { \circ } 4 4 ^ { \circ } m l j h v { k k l a d s e / ; r F k 7 7 ^ { \circ } 4 1 ^ { \circ } 0 4 ^ { \circ } i j c h n s' h a j l s 7 8 0 3 2 ^ { \circ } 2 2 ^ { \circ } i j c h n s' h i j a d s e / ; l F r g A b l d k H s k l y d { l e - Q y 6 8 8 5 o x Z f d y l e H j g A i j c e a b l d h l h e k ; e a p ; H o c h j F h & x a k d s t y o f k t d } j k f u / w Z r g l a h g A i f' p e e a b l d h l h e k ; e a p ; d h l g k d V l a u n h d s } j k f g e k p y i z s k l s c u r h g A o ' Z 2 0 1 1 d h t u x . k u k d s v u d j ; g'w' dh t u l [a k 6 0 9 2 7 4 B e h a r d n s h a r k o c h e d k' 1 / 2 g A ; g { l e - i N f r d l k' N ; Z o t S' f o f o / k r k l s l B i U g A b l h l U n H z e a ; g l a x l s f o h j k V h m | k u



fig.no.2

o ol t h foglj fouk elm.VDyx ol t h foglj ekyl h fm; jikclz rFk vld u l j(k k vlfj fkr h e h e l j f(l r { l e - b r; k n v l j f(l r { l e - ? h e' r f d; s x; s g a ; g h e d; r % f g e r t h q h c k h d L r y h e x } H j y l f g e l y; u F h j l x q n j l f c y l h H k y w d k d m - v l n o l t h r f k e l u k y Q i t d l d c y l d Q i t d l d y l t l p d l j l x i m u b z y l f g e l y; u c v j v l n i { h f e y r s g a

i k N f r d L F l y l e a ; e q k e h x y f k j l c u n j m J h d e i z e k f k l j g a g j d n w d n s j d h d d u l j l n j c l c a k h i q v l j h v : d k v l n c f k y l l : r k y l H q y k r k y l c d j r k y l l r - f k d q m l w z l q m i z e k r k y g a b l d s l f k g h j m h v m u k x i v c h c s k v c h e x j h d e v h / u l e v h b z l h k l z v h x j Q l y i z e k n k h t L F y g a ; e q k o v l e u f n ; h a t j o j j m v a k d h l q o / k h h i n k u d j r h g a

- v/; ; u d k m n a s ; &
- i k j f l f r d l k z u d s f o d l g r q h e r d o l k n f r d f o' k r k v l d s i z l k e a y k u r r k d b u d h m i y o / k r k o l g t r k d s t u l k e h i r d i g o k k t k l d s r f k l k z u d h e d ; / h j k l s t h k t k l d a
- { l e - e a i k j f l f r d l k z u d s f o d l d h { e r k d k v d y u d j u k
- o r z e u e a l k z u f o d l d k o . k u i z r q d j u k r f k f o d l d d s d l j . k g l a u o k y i z h o l a d s m t k j d j u k



f o f / k r a - & i z r q ' h e k e a i k j f l f r d l k z u l s l e f u r v l d m a m i j k k m - l k z u f o h e x } o u f o h e x v l j m i j k k m - i k j f l f r d l k z u f o h e x l s f y . x , g a b l d s l f k g h i z e k l k z d L F l y l e d k L o l o y l e d u d j r f ; k a d k , d = h j . k f d ; k x ; k g a r f ; k a d s i z n f l z d j u s d s f y , l h i ; d h f o f / k h d h l g k r k y h x b z g r f k i z e k l k z d L F l y l e o e k x i d s e l u f p = d h l g k r k l s i z n f l z f d ; k x ; k g a

; e q k c f l u e a i k j f l f r d l k z u %
 L j f f(l r { l e - (P r o t e c t e d A r e a s) - & ; e q k c f l u d s v l r x z r h u l j f f(l r { l e - g a ; g { l e - T h o f o f o / r k , o i k j f l f r d l k n f v l s v f r e g R o i w l z g a b l c f l u d s n f (k h h e x e a t g h a m i s . k u e t y o k q g S o g h a e / ; H e x e a ' h r e . k i o z h r ; r f k m y j h H e x o " l z j f g e l P N f n r j r k g a b l i z l j b l d h t y o k q o m p p o p d h f o f o / r k b l { l e - d s t h o u o i k j f l f r d h e a f o f o / r k y r h g s t s b l { l e - d h t o f o f o / r k d s f y , e g R o i w l z g a b l { l e - d k , d c m k H e x o u k P N f n r g a ; g h e v / : o m P p f g e l y ; h { l e - e a l f l r x k o l n j k v t r m j u , o u l t h o f o g l j e l j h o l t h o f o g l j r f k v l d u l e h e l j f f(l r v l j f f(l r b r ; k n l j f f(l r { l e - f l f r g a

x k o l n i k h o g l j , o j k v t i k l z l u - 1955 e a l f f i r x k o l n o l t h o f o g l j 485 o x z f d o e l d { l e - Q y e a Q s k g a b l h l s y x s 472 o x z f d o e l d { l e - d s l u - 1980 e a x k o l n j k v t r m j u d s : l k h a l f f i r f d ; k

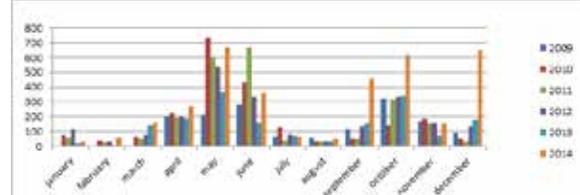
r l f y d k l x k o l n o l t h o f o g l j o j k v t r m j u e a l k z d v l x e u

माह	2009	2010	2011	2012	2013	2014	2015
जनवरी	.	75	55	113	20	34	168
फरवरी	.	38	24	33	05	55	94
मार्च	.	62	47	72	140	160	250
अप्रैल	197	223	191	200	184	270	.
मई	213	730	604	539	363	669	.
जून	280	429	665	336	157	361	.

जुलाई	59	127	39	78	65	61	.
अगस्त	57	31	30	30	29	52	.
सितम्बर	117	47	52	130	150	454	.
अक्टूबर	323	139	317	336	343	618	.
नवम्बर	167	186	151	156	66	151	.
दिसम्बर	92	52	30	133	179	650	.
कुल	1505	2139	2205	2156	1701	3535	512

x; k a ; g l e l r l j f f(l r { l e - v l l u n h d s A i j h H e x e a : f i u l l e u o v l e j k o l m - u f n ; k a d s t y l x e e a Q s k g a ; g h a 1800 e l d l s 6000 e l d d h A p l m z e a l e) o u l ? h d d e s e h u l v y i l b u l o c } > k v h o o v l e k h r i m i l e e a j k t s h y x ; f e u s h i x f e u h d y l e d h i z k r ; h a i z e k g a

govind national park : monthly and annual arrival of tourists



b l { l e - e a 15 l s v f / k d L r u i k h r f k 150 l s v f / k d i { h i z k r ; h a i k h t h r g a i z e k L r u i k h t h o l e e a f e r m o l H j y l d k y H k y w x q n j l F h j l d L r y h e x o f l j k a g a l a l v x z k i { h i z k r ; k e a n k h o r f x } l d l y h b z y l f g e l y ; u f g e d h a l l q g j h b z y l f g e l y ; u e l u k y Q i t d l d d l c y l d Q i t d l d l v s h b z y r f k i f p e h v e k i k u g a b l d s v y o k c y - c y l d l e y f Q l p f e u h o l m y y v d e w j l i j k l h l F e h f v v o o l j c y v l n i z e k g a l q f l) l k z d L F y g j d h n w h h b l h { l e - e a i m e k g a



fig.no.5

H d j h o l t h o f o g l j & b l d h L F k i u k 1993 e a o k a f g e l y ; d s i z r f u f / k d o u l a , o o l t h o l a d s l j (k k d s f y , d h x b z F h a 10-95 o x z f d o e l d { l e - o k y ; g o u l t h o f o g l j 2150 e l d l s 2800 e l d d h A p l m z i j f l f r g a ; e q k d h l g k d v x y l m e d s m i j h t y l x e e a l f l r b l l j f f(l r { l e - e a i g k v h c v j d h m i l f l f r n d h t k p q l h g a ; g h a d h o u l i r f g e l y ; h v m z ' h r e . k g s f l e a c k W l e s l d l j l { h e l h e g y l d . M s l d Q y o i l a j i z e k g a l f k g h f j x l y o { h y s ? h d ; o r e s i l u k e a e l h j ; k u e d i l e k i p q e k e a f e y r k g a o l t h o l e e a x q n j l t a x h f c y l h ? h j y l d k d m l l h j l m m e o k y h f x y g j l y a x j l t a x h l o q j l d k y , f ' k h z H k y w l g h e d ; g a i { h i z k r ; k e a d y l t Q i t d l d l d k y r h r j l l k l j . k r h r j l Q k j v a m l u c m e o m m y y w y k Q a F e h f g e l y ; h d s l y l f o l f y a F e h f f x z u f x } l n e h ; o r f x } u l y d e r f k j m - f c y m c y e s k i b z e d ; g a l j h l i k e a / h e u l f g e l y ; h f i v o l b i j r f k p v v k u h f n i d y h m y s k u h g a ; g h a l s f g e l y ; d h f g e l P N f n r i o z J W l y k o o u k P N f n r ? h e v ; k a d k c g n e u l e n e " ; n f v x l o j g l a k g a

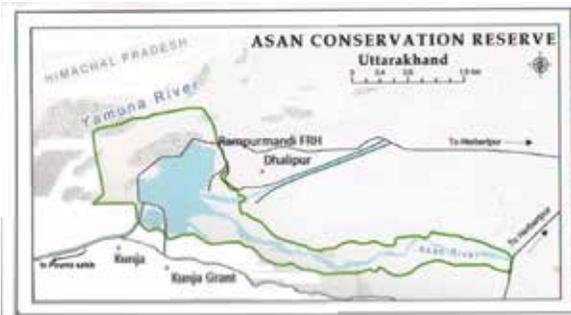


Fig.no.6

vkl u oVYSM l jkk vlfjfr & o'z 2005 ea LFfir ; g vlfjfr ; emk&vkl u ufn; la dslae ij 444-40 gDVsj {le- ea Qy/k gA ; g 'hrdlyhu iokl hifk la dsl jkk gxrqLFfir Hjr o'z dh i zle l jkk vlfjfr gA 'hrdly ea 4000 rd dh l [ak ea iokl h ty ifk la dk vlyu ; glafd; kx; k gA mlyj Hjr eal cl sT; knkl [akeal g [ko i {h ; glmns l t lrs gA vU t yifk laeacxyj bZjV] LVklZ vbZcl] cYk] eYmZ. Vly vln dk 'hrdly eal gtrk l s voyklu fd; k tk l drk gA bl {le- ea 250 i {h iz fr; kaik h t l r h gA ft uea 30 'hrdlyhu iokl h 4 xfe dlyhu iokl hr fRk 15 LFfir iokl h iz fr; mG vR; f/cd

mfydk&2 ; emk cfl u ei zdk cA ky

Ø01 Ø	CÅ ky	ÅWlbZ ½hVj ½	{le-Qy ½gDVsj ½	elxZ
1	dukl j	3639	200	cMelW& [kj knh&L; kulpVVh&guqkupVVh&fu"kk h&l e&dukl j
2	njck	3833	200	cMelW& [kj knh&L; kulpVVh&guqkupVVh&fu"kk h&d. Mly&njck
3	Qack k	3949	150	cMelW& [kj knh&L; kulpVVh&guqkupVVh&fu"kk h&njck&cak k
4	v: dk	3641	50	cMelW& [kj knh&L; kulpVVh&guqkupVVh&nfcZyxl&v: dk
5	Ekk Mh	3765	60	cMelW& [kj knh&L; kulpVVh&guqkupVVh&nfcZyxl&i q yfhp&ek Mh
6	>f. Mdk	3884	60	cMelW& [kj knh&L; kulpVVh&guqkupVVh&t kudhpVVh& [kj l ky-h&>f. Mdk
7	EfrZlk	3942	50	cMelW& [kj knh&L; kulpVVh&guqkupVVh& [kj l kyh&fMxMj k&ew frZlk
8	Ekyk	3964	100	cMelW& [kj knh&L; kulpVVh&guqkupVVh& [kj l kyh&efrZlk&ekyk
9	Hn	3637	100	cMelW& [kj knh&L; kulpVVh&guqkupVVh& [kj l kyh&ekyk&Hn
10	Lackl w	4132	100	cMelW& [kj knh&L; kulpVVh&guqkupVVh& [kj l kyh&fMxMj k&l æ-kl w
11	jrMh	3740	47	cMelW& [kj knh&L july&f [kels&i kVh&fdeMj k&jrMh
12	dnkj d-l&bk	3812	&	Hjky&xqñ; kvxkw&t jely&L; kyql&dnkj d&bk
13	gjdlnw	3512	&	Hjky&uSokM&l kdj h&kyql&l hel&vkl yk&gjdlnw
14	Eka-hou	5500	&	Hjky&uSokM&fyokM&eka-hou
15	Plaxfl y f' k lj	3300	&	Hjky&vkl k& >vkl&plaxfl y

; glm s cjl wnjz glrs gq fdly t lus dk elxZ gA ; glm s LoxZ klg. kj pkl h&cl] chji nWvln fgelNfir plV; la dk l qnj o je. hcl n' ; fn [wbZnrk gA bl LFky ij lk Z u dh xrfot/ k la ck fodkl vU LFky la dh vi fkl v/kl gyk gA ; glm fr o'z l silMalk Z d vlrsgA ; sl Hh LFky vHh v fcd fl r n' k eaga ; glaigfus dsfy, yEck i sy elxZr; djuk i M&k gA i j l r qe k Z ds ?lusou] ?Mv; mV j u j x f c j a s Q y] i { h e o l t h o o f g e l N f i r i o z f' k l j l a d h t p y k d ' z l j e. h r n' ; loyh eu dls Hh

ngZk i {h 'iykl bZy* Hh ; glaik k t l r k gA ; glmoluLi frd fofolr/ k dh i p r k feyrh gA ft l eat y h i kni t s & Potamageton pectinatus, Ceratophyllum demersum o
Eicchornia crassipes rFk vU H&LFlyh iz fr; lae: Xanthium strumarium, Eclipta prostrate, Ipomoea fistulosa,

l ky] cldyl] >laul 'hile o l ey eq; gA

cÅ ky& ; s eyr% vYihu ikpj&plykxg gA cÅ ky viuh u s fxZl l qnjrk ds fy, i qhu le; l s gh vcl'Zk , v k; mEd flru ds d h z j g s i j u r q ; e m k c f l u { l e - e a f o d d l d h d e h o b u i n f r d L F l y l a d s i p l e i l k j d s v H h d s d l j . k ; g l a d s u s f x Z l l h n ; Z d k i j k v l u h y l a x u h m B k i k j g s g A ; s { l e - v x L r & f l r f c j e l g e a f o f - H h u i z l j d s j a e f c j a s Q y l a l s y n t l r s g A t c f d ' l j n d l y e a ; s H a x f g e l N f i r g l a j i n f r d h l q n j r k v u q e m n l j . k c u t l r s g A

cÅ ky {le- ea fofHlu izlj ds ngZk o y n r i k % t M h c f w ; h c a d e y] l e : Rhododendron companulatum% B y w @ e d h j u n i p e r u s i n d i - c a j v r h l e B h x a y] t v l e d h v l n c g r k r e k e a f e y r s g A o r Z l u e a b u c a j k y l a d s i k j f l f r d l k Z u d h g r e l s f o d f l r d j u s d s f y , m l j k k M e - o u f o H a x } k j d k Z l e k u l b Z x b Z g A f t l d s v i r x z l k Z V d L F l y l a r d e l x l d k f u e l z k o v U l k Z d l q o / h v l a d k f o d l f d ; k t k s l a g j d l n w c a j k y e a g j d l n w x l m v l j e k f u l n k x l m d k l a e g A ; g d l q p l a h ? h v h g A

foHj d j u s d s f y , l k l r g A ; g l a i k Z d l a d s v i u s j g u s d s f y , v s v v l j H a t u d h o l f k L o a d j u h i M r h g A d o y g j d l n w e a , d o u f o J e x g g A b u { l e - l a e a ; k - k d s f y , e b Z l s y c j f l r e H j r d d k l e ; l o l z / k l m i ; q r j g r k g A b l l e ; ; g l a x q Z l a ½ z d h H a i k y d % H a m e c d j h i k y d l a r F k l l g f l d l k Z d l a d h l k l r p g y & i g y j g r h g A

i z d k m P p L F l y l t r l y & ; e m k c f l u { l e - e a v u d m P p L F l y l t f g e l u h

fufeZ je. hcl rky gā ; s rky ĀpāwZij fl.Fār gaus ds dġ. k i kfj fl.Fk frdġ nġV l svġ ū l ōnu' hry gā ; s rky cġ ky lāo ?kusoulā dh cġ fl.Fār gaus ds dġ. k t ō fofolrkd ds fy. vġ ū egġbiwZgā ; gāwplġā rjQ NāwġNāw'h ?kġ ġjā&fcjxāQy) fofHū izlġ ds vYi l bu oġk feyr s gā vġ/kl ĀpāwZvġ fut ū o nqzē {le-lāeāfl.Fār gaus ds dġ. k vġH rd bu dġk l k ū dh nġV l s l k l r f o c d l u g h g s i k k g ā bu r k y l a c s V f d a e k z e a ?kusoulā l ġE ?ġV; l fofHū izlġ ds oġt l h l ġ j a c h Q y l a o i {h l a r f k f g e h P N l n r f k l j l a c k c g n g h [l a w j r n' ; n q k u s d s f e y r k g ā bu l F l y l a c s V f d a e k z y a z n q zē v ġ fut ū {le-lāeā g a u s d s d ġ . k

Vāil Z d l s x l b M H ā t u o j g u s d s f y , V S V d h Q o l F k L o a d j u h g l a h g ā bu {le-lāeāebZl s y s l j f l r ġ e l g r d d k l e ; ; k e k d s f y , l o i Z / k l m i ; ġ r g ā ; g ā w d s i e d k r k y l a e k l ; r k y 4272e l 0 % H ā s y k r k y 308e l 0 % c d j k r k y 4224e l 0 % l r _ f l c d q M 5000e l 0 % : b u l k j k r k y 200e l 0 % c j k M j r k y 5000e l 0 % v l n l H h ' h r y t y d s r k y g ā b l d s v y l o k ; e m l e h l e e a l w z d q M o e . k i k l a h x l a d s f u d V x a d l ; ġ r x e z y d s l l r s g ā t g l a i j L u k u d j u k p e z l e x ; l a c d s f y , v ġ ū y l h l c l j h g ā bu n l a u s g h l F l y l a i j v ġ l F l y l a d h H ā w x e u l f o J l e v ġ H ā t u d h l e l ; k u g h g ā

L.Fly	x l f o l h j k v ġ r m k u o o l i t h o f o g ġ		E d j h o l i t h o f o g ġ		v k l u c j k t		/ k u l V h b z l s i k l z		g j d h w		d u l j	
	l k Z d	j k t L o	l k Z d	j k t L o	l k Z d	j k t L o	l k Z d	j k t L o	l k Z d	j k t L o	l k Z d	j k t L o
2003&04	2557	283939	NA	NA	NA	NA	NA	NA	NA	NA	278	18910
2004&05	3966	299607	NA	NA	NA	NA	NA	NA	3497	NA	682	18910
2005&06	2468	316505	NA	NA	8697	31420	NA	NA	3079	NA	539	8970
2006&07	2540	391644	NA	NA	15278	51917	NA	NA	4310	NA	232	20410
2007&08	2051	242608	NA	NA	17074	59526	NA	NA	4894	NA	160	12280
2008&09	2308	278983	NA	NA	17984	58002	43281	538660	6013	NA	203	7440
2009&10	1675	187672	NA	NA	13350	59911	114154	1702916	7887	NA	359	10560
2010&11	2100	534430	NA	NA	141554	50504	107450	2734560	NA	NA	NA	28340
2011&12	2297	488430	167	82550	12810	66067	119745	3314698	NA	NA	NA	NA
2012&13	2103	465532	03	1688	4802	48020	150374	5277316	5324	NA	NA	NA
2013&14	1785	411131	10	4687	NA	NA	102879	3154982	2604	NA	NA	NA

Ĥy d l k 3 i k f j l F k f r d ġ l k Z u % ; e m k c f l u e a l k Z d v k x e u , o v k

i Ĥ f r d H ā w' ; & ; e m k c f l u {le- e a c g r l s j e . h c l l F l y g ā t g l a d h i Ĥ f r d o u l i r } ? k u s o u o o l i t h o } > j u s ? Ĥ V ; l a o f g e h P N l n r i o z f k l j l a c k e u e l g d n' ; y l a c d s v k d f l z d j r s g ā d ġ l F l y l a c k o u f o H e x d s j k i k f j l F k f r d ġ l k ū d h n ġ V l s f o c d l f d ; k x ; k g ā f t u e a i f r o " l z l s i M ā l k Z d v k r s g ā l k ū d h n ġ V l s / k u l V h b z l s i k l z o d u l j b z l s i k l z e a c g r j l k ū x r f o f / k l a l p k y r g l s j g h g ā

l e d k i Ĥ f r d l F l y l a e a / k u l V h b z l s i k l z d l a h d u l j b z l s i k l z [l j l n h > j u k o b z l s i k l z 4300e l 0 % V l b x j Q l y] d ġ V i Q l y f o ; l a h n o n ġ o u {le- j l a h v l n v 2200e l 0 % j k t x < h 4550e l 0 % l p m l v l n 3185e l 0 % x s o u f o J l e x g 215e l 0 % l l a j h v l n 3282e l 0 % l ġ d l a h v l n 2720e l 0 % M ā ; k e l v l n 2500e l 0 % u x c f v c k 2635e l 0 % e x j k 4861e l 0 % n x o u o u f o J l e x g l e q m y h o u f o J l e x g l d f f k l u o u f o J l e x g l c d ġ o u f o J l e x g l n ġ k l a h v l n o u f o J l e x g l v l n g ā

Ĥy d l k 4 / k u l V h b z l s i k l z e a l k Z d l a c k o " l z l j e l f d v k x e u

H ġ	2008	2009	2010	2011	2012	2013	2014
T k u o j h	-	6000	5998	2830	5136	8532	14326
Q j o j h	-	3273	4104	3851	2906	1325	4848
e k p Z	-	4575	5464	5931	7823	10511	7874
v i ŷ	-	6985	10414	9225	10178	9411	-
e b Z	-	15602	16343	16283	18489	17741	-
T h r		33151	33845	34811	45523	22076	-
t g l b Z		12217	10544	9264	14045	1768	-
v x L r		7456	4053	6844	7042	3690	-
f l r ġ j		5946	1686	4943	5072	3180	
v D V e j		6732	7481	9386	9221	5783	
u o ġ c j		3694	4922	4689	5349	4262	
f n l ġ j		6805	5550	8435	15087	7920	
d y	29433	112436	110404	116492	145871	96199	27048

/ k u l V h b z l s i k l z e l j h o u i H e x e a e l j h p e c k e k z i j f l F k g ā ; g ā w l s f g e l y ; d k f o g a e n' ; f n [k r k g ā / k u l V h / ġ j i j f l F k

; g l F l y c g r j h u V f d a o f i d f u d l F l y g ā l f k g h ; g o l i t h o o c M l k p a x i ; Z d l a d s f y , L o x Z g ā ; g i k l z n o n ġ d s ? k u s o u l a d s

6	Hk My/hxkM&nke. hFkP&oly/hi kl &l : rky&i qVk j&cdnj d&B&g dlnw	35
7	l j u k s y & f k e k s = k & g y s / h & h k a t s y k r k y & d - q l e k & p l i z . M & F l j p q & i l g q l k M & c d - j k r k y & l : r k y	35
8	f k e s = k & i k s / h & f d e M j k & d l y k & i k j k l e M l o y w l - k & p l i j & i q V j & d q k A & j r s M & l : r k y	26
9	f k e s = k & f M k M l & y o v k M l & l j x k o & x k M k d k f k e p & l p u k / h w & c d n j d l e k	27
10	i k y h x k M & i k y h x k M & j k b z k e n q d k e . h e A & i l g q l k M & l : r k y	25
11	j k t x < h & c k M y / k j & l q d k & M k M n o r k & f j ; f l d - k & l p u k / h w	45
12	l j k y k & t k k f j x l y / k t j e l y k	34
13	l k h k & d y u l & c k y p k > q / M l & v l j k l w	49
14	v l j k l w & i k t v k j & y e k f k p & B f M ; l j	31
15	N r j l e y e c f k p & c j u l y i k c k y p k & f p k & v l j k l w	48

ioZkjkg. k& vkt dy ; qkvla eal lgfl d fOMkvsadsifr : >ku rth lsc<+jgk g& fgeky; {k= eai fro" kZgt kjka ioZkjkg foFHU ioZ f' k | k j k a d k v l j k g . k d j r s g a ; e q k e a l F l r p k v ; k a e a b l d s f o d k d h l k k r l a h o u k a g a m y j d k h i l f l a r u g : i o Z k j k g . k l a F k u e a i o Z k j k g ; k a d s i f ' k k k f n ; k t k r k g a ; e q k c f l u e a l F l r f ' k | k j k a i j i o Z k j k g . k d x r f o f / k k w h h l a F k u d s l g ; k x l s l p k y r d h t k r h j g h g a ; g l a c l n j i w / 6 3 1 6 e 1 0 1 / 2 c l n j i w i f ' p e h 6 1 0 2 1 / 2 r F k d s / k a y s i i h d 1 / 6 3 8 7 e 1 0 1 / 2 i e d k i o Z f ' k | k j g a t g k w i o Z k j k g . k d h x r f r o / k k w l p k y r g l a r h g a

fj o j j k w V a & I k Z u d h c g r l h u o l u f o / h v k a d k f o d k g y k f j o j j k w V a m i g h e s l s . d g a f g e k y ; l s v l u s o l y h r h o z e h u f n ; k w b l d s f y . c g r j l q o / k a i n k u d j r h g a f j o j j k w V a t k h t w w l l g l o j k e p i w l z t y o l m k g a ; e q k c f l u e a ; e q k v l s m l d h v o l j g a o r z l u e a h d n F l y k a i j f j o j j k w V a d h x r f o f / k k w l p k y r g l s j g h g a f t l e a V l u u n h e a e l g h o R w h d s i d l h a x k M y u x k M y f d j l y h r l i M h a e z y d h u u t l i h n k d s o k V h r l i M l s r F k ; e q k u n h e a c M e l w l s y k | k e . M y v l s M e V k l s ; e q k q r d f j o j j k w V a d h l k k r l a h o u k g a b l d s f y , f l r e c j l s u o e c j R F k e l p z l s e b z r d d k l e ; l c l s m i ; q r g s

, a f y a & d w s l s e N y h i d M u k v i u s v k i e a . d e u l j a u i w z v l s j k e p d t y o l m k g a v h h ; g w b l d k l k k r f o d k u g h g l s i k k g a f d u r q b l { k = e a d c l y l h M c l i F l j } ; e q k i q | e l s j R w h e a V l a o ; e q k f d u l j s l k k r l a h o u k a g a ; g h t k a l j v l s t k i q i e a v x y k M x l w y e y l o v l s g a ; k = ; k a d s B g j u s d s f y . c g r l s g l y o f o J k e x g l a d k f u e l z k f d ; k x ; k g f t l l s ; g w w u c l N W & N W s c k t k j h a d s f o d k d l s c < l o k f e y k g a I k Z u f o d k d s Q y L o : I k F l k u t y l s k a d h v k o v k d s v o l j a e a o f g h z g a l k o z f u d & f u t h H a x k M j h e a l p k y r / k u h v b z l s i k d z d s v k d M a d s v u q l j I k Z d l a l s i h r d y j k t L o d k 4 0 Q h n h H e c d e p k j ; k a d s o r u d s : I k e a f n ; k t k r k g s t k o " Z 2 0 0 9 & 1 0 e a 5 2 0 4 8 8 : 0 F k ; g c < e j 2 0 1 2 & 1 3 e a 1 1 2 4 3 7 0 : 0 g l s x ; k a

ikjilFkrdht Ik Zu fodkl eaLFkult turk dh Hoxmjlh& {k= eai k fjilFkrdht Ik Zu ds fodkl l s j k t x l j d s v o l j a e a o f g h z g a ; k = k e l x k i j N W & N W s f o J k e F l y a d s f o d k l s < k l a j a = h i p w o l k o L F k u t f ' k i o k i j d h l a h o u k a c < h g a L F k u t y l s x ; k = ; k a d c l e l d l j } W a k e [k p j] M M e d . M v l s i w z v l n d h l o k a i n k u d j j g s g a ; k = ; k a d s B g j u s d s f y . c g r l s g l y o f o J k e x g l a d k f u e l z k f d ; k x ; k g f t l l s ; g w w u c l N W & N W s c k t k j h a d s f o d k d l s c < l o k f e y k g a I k Z u f o d k d s Q y L o : I k F l k u t y l s k a d h v k o v k d s v o l j a e a o f g h z g a l k o z f u d & f u t h H a x k M j h e a l p k y r / k u h v b z l s i k d z d s v k d M a d s v u q l j I k Z d l a l s i h r d y j k t L o d k 4 0 Q h n h H e c d e p k j ; k a d s o r u d s : I k e a f n ; k t k r k g s t k o " Z 2 0 0 9 & 1 0 e a 5 2 0 4 8 8 : 0 F k ; g c < e j 2 0 1 2 & 1 3 e a 1 1 2 4 3 7 0 : 0 g l s x ; k a

; e q k c f l u e a i k j l F l k r d h t I k Z u d h l e l ; k &

- f o d k l d k h a d s f y . l M e l H o u v l n d k f u e l z k v f u ; k t r < a l s

fd; k t k j g k g a f t l e a H o h f o d k l o I k k o j . k r l e l ; k a m r i u g l s j g h g a

- I k Z d l a d s v k x e u l s I k Z u L F l y a i j i z n i k k d h l e l ; k f o ' k l e j e y & t y v l s v o f ' K V d p j s d h l e l ; k m r i u g l s j g h g a

- v f u ; k t r f o d k l g l u s l s d q [k d L F l y a r d g h B l d B l d v k / k f j d l j p u k d k f o d k l g y k g s f t l d l j . k m u { k = k a e a l k Z d l a d k n c l o j g r k g a t l o g l a d h i k j l F l k r d h o I k k o j . k d l s { l r i g y k j g k g a t s s e l j d d i V h Q l w } / k u h v h ; e m e h v k n , d s g h L F l y g a

- {k= dh n w j h l e l ; k ; g g s f d ; g k w k ; Z d v / k d l a k x i e _ r q e a g h v l r s g a f t l e a H h v f / k l t e l o e b z t w e a g h j g r k g a t c f d ' h r d k y e a l k Z d f u g k r g h d e e k e s v l r s g a b l i z l j I k Z u v y l e ; l o f / k H h ; g k w k ; Z u d s f i N M u d k d l j . k g a

i k n f r d { k = k a d s i k Z u d s l e ; I k Z d l a } k j k o g l a d s t o l e i n k o l a n f r i j u d l j k e d i h h o i M e j g k g s f t l d l j . k I k k o j . k d k g h l g l s j g k g s v l s L F k u t y l s x v i u s l k n f r d e w ; k a d s N l o l j s g a

- I k Z u d h v k M e a y l s x m p p L F l y h i k j l F l k r d h t { k = k a l s f o f H u i z l j d h t M e c w ; k a o o l i t h o l a d s v k a d h r l d j h d j r s g q H h i d M e x . g a

- c g r j v k / k j H o l j p u k d s f o d k l d s v H h o e a l k Z u d k I k k r f o d k l u g h g l s i k k g a

- I k Z u d h n f v l s i f k { k r y l a d h d e h g s f t l d l j . k o s I k Z d l a d l s c g r j < a l s l a r v u g h d j i k r s g a

- W h o o o g k d h l L a n f r v H h r d I k Z u l s u g h t q i k h g a

- g l a d s I k Z u l a d k u l a d k I k k r e k e a i p l j e i l j u g h g l s i k k g a

ikjilFkrdht Ik Zu fodkl dsl q-lo%

- I k Z u d h l F l k r d l s c g v l j c u k u s d s f y . x e h k { k = k a d l s I k Z u l s t l o k v l o ' ; d g a l k k g h o g l a d h l a n f r e s y } R k g l j I k Z u d h x r f o f / k k a e a f o f o / k r k y k u e a l g k ; d g l a c f t l l s { k = e a l k Z u d l s c < l o k f e y x k

- ; g l a v H h v / k j H o l j p u k f o ' k l e j l M e l o n a z e I k Z d L F l y a i j f o J k e o [k u e i k u d h l q o / k f o d f l r d j u s d h v l o ' ; d r k g a

- Q l u e a l k Z d L F l y a d l s l f d w d s : I k e a f o d f l r d j u s l s i k Z u d h x r f / k k a c < o k f e y l d r k g a

- ; g l a d s c j k t x l j f ' k { k r ; q k v l a d l s I k Z u l s t l o k u s d s f y . m l g s i k f e d e i f ' k k k n x l j I k Z u f o d k l d l s c < l o k f n ; k t k l d r k g a b l l s I k Z d l a e a l o k l e c f u k l t r q v c c + l d s c h a

- L j d l j h o v l i e k ; e l a l s ; g l a d s I k Z u l a d k u l a d s i p l j e i l j d h v / k d v l o ' ; d r k g a

- i k j l F l k r d I k Z u d l s c < l o k n u s d s f y . f u t h { k = d l s f u o s k d s f y , i a l k g r d j u k p l g . A

- i k j l F l k r d I k Z u d s u l f r x r f o d k l o ; k t u k v l a d s f u e l z k d s f y , o u f o H e x j k f ; I k Z u f o H e x o ; g l a d s i z e d k f ' k k k l a F k v l a v l s f o } k u y l s k a d h , d d e v h c u l b z t k l d r h g s t l s ; g l a i k j l F l k r d I k Z u d s f o d k l d s f y . u l f r x r l q - l o i n k u d j s c h a

- i k j l F l k r d h d s l j k k d l s / k u e a j [k r s g q i k n f r d { k = k a e a l k Z d l a d s f y , d l i " v o i h h o ' k y h v l p l j l a g r k g l u h p l g . A

- I k Z d L F l y a i j v o f ' K V d p j k i z a l u o f u i V k u d h Q o L F k d h t l u h p l g . r F k I k Z d l a d l s i z n i w l a d s i z l j d l s j k l u s f y . i f j r f d ; k t l u k p l g . A

• Ik /d LFly/ao ekskl ij 'Hfky; dh l /p/kv/la dks c<luk vlo'; d gSl Fk gh eyty ds 'kku Q oLFk dh t kuh pfg. A fo 'kklj mu 'kgj/ao o Ik /d LFly/aij t kufn; ao mudh l gk; d /k/kv/la dks fduj s c s g/la t s s; eqk-h/ke

mi l gk; ; eqk cfl u earele Ik /u l d k/ku/la dks chot n Ik /u dh xfr-fof/k lacgr gh l her g/la ml eaHh vf/kcl/ku/la Ik /d clack t elo d/ fo' kkl LFly/aij gh vf/kcl jgrk g/la ft l l sml LFly ij {kerk l svf/kcl t elo g/la d s d l j. k l n/kl /p/k dk vHko o i k j f l F k r d h l E c f u /k r [k r j k m r i U g l s j g k g/la vr%vlo'; d gSfd Ik /d clack s i n l g d k s m u LFly/ao dh vjg Hh e/ku t k t k Ik /d LFly vHh rd cgr mi f/kr jgs g/la bl l su dsoy ij E i j k r Ik /d LFly/aij Ik /d clack nco de g/la c f y d l /p/kv/la o l o k v /a d k c g v j g < a l s l E i n u o f o r j . k g l s l d s k l l F k g h n q z o de fodfl r {k-e-a-v-k/f/d l j p u k d s f o d k l o j k t x l j d h l H h o u k a c < a h Ik /u d s v j g v f / k d i H h o h c u k s d s f y , b l s ; g/la d h l l N f r o x t e h k {k-e-l-s-t-h/ak g/la c k b l l s ; g/la d h l l N f r d s l j {k k H h f e y s k v j g Ik /d clack; g/la d h l l N f r d s l k k k l j d k , d v u k k v o l j i n r g l s l d s k l l F k g h x t e h k {k-e-a-l-k /d clack s i n d l s o g l a Ik /d clack f d Q k r h e w ; k a i j v l o k l r o H h t u l E c f / k r l /p/k/ l L o P N o d s y / g y l s n j 'k k r o k r o j . k f e y l d s k l a , d k v k d " E k u d s o y {k-e-a-l-k /d clack s i n d l dh v o f / k c < s k c j u - o s f d Q k r h o o s o / ; i w z l k /u d k y k k m B l u s i q % i q % ; g/la v l u k p l g s a b l d s v y l o k x t e _ r q e a l h e r Ik /u d s 'k r ' o c l U r _ r q e a c < k t k l d r k g/la b l i z l j m l y / k l d k / k u l a d s v u c l y r e - m i ; k l s u d s o y i k j f l F k r d h l k /u d k m n a s ; i j k g l o c k c f y d l r r Ik /u o l k r f o d k l d h v o / k j . k H h l k l j g l s l d s k h v j g l E i w z {k-e-a-l-e-k-s-h-f-o-d-k l j k t x l j d s v o l j a e a o f } v k c < u s o t h o u L r j d k c g v j g e a l g k r k f e y l d s k l a

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