

No./D-III-152/ e-file-166528
Himachal Pradesh Forest Department
Parvati Forest Division at Shamshi.

From:

Deputy Conservator of Forests,
Parvati Forest Division, Shamshi.

To:

M/s Beena Butail
Bandla Tea Estate Palampur
Distt. Kangra HP.

Subject:-

Deposit of compensatory levies after the grant of stage-I ('in- principle') approval in respect of proposal for the diversion of 1.496ha of forestland in favour of M/s Beena Butail Complex Bandla Tea Estate Palampur for the construction of Kasol Hydro Power SHEP 5.00MW, within the Jurisdiction of Parvati Forest Division, Distt. Kullu HP.
(Online proposal No. FP/HP/HYD/37189/2018/2018)

Respected Madam,

The 'In-principle' approval for diversion of 1.496 ha of forest land in favour of M/s Beena Butail Complex Bandla Tea Estate Palampur Distt. Kangra HP has been accorded by MoEF & CC, Gol, vide e-office I/88024/2024 dated 12-12-2024. Brief detail of the proposal is as under: -

Sr. No.	Details of proposal	
1.	Distt./ Forest Division to which the proposal relates	Kullu/ Parvati
2.	Name of User Agency	M/s Beena Butail Complex Bandla Tea Estate Palampur Distt. Kangra HP
3.	Name of Proposal	Kasol SHEP 5.00MW
4.	Extent of forest area proposed to be diverted	1.496 ha
5.	Whether new or for additional land or for renewal/ extension	New
6.	Date of 1 st stage clearance	12/12/2024

2. The amount of compensatory levies in respect of the proposal mentioned above may be deposited in the following manner: -

I	<u>Amount required to be deposited in Adhoc- CAMPA Account being maintained by Govt. of India</u>	
* (a)	Cost of Compensatory afforestation (excluding 17.5% departmental charges)	Rs. 9,47,817/-
*(b)	Cost of additional CA (excluding 17.5% departmental charges)	N A
*(C)	Cost of Penal Compensatory Afforestation (excluding 17.5% departmental charges)	N A
*(d)	Cost of Catchment Area Treatment Plan	NA
*(e)	Cost of Wildlife Management Plan	NA
*(f)	Net Present Value (NPV)	Rs. 16,00,406/-
*(g)	Cost for implementing the scheme for safety Zone Area in respect of mining cases	N A
*(h)	Cost of implementing phased Reclamation Plan of mining area	NA
*(i)	Other charges, if any (*specify) (excluding 17.5% departmental charges) Reclamation Plan	Rs. 5,74,774 /-
	Total (I): -	Rs. 31,22,997/-
II	<u>Amount required to be deposited in the State Govt. Treasury</u>	
*(a)	Cost of trees	Rs. 40,84,839/-
*(b)	Departmental Charges on C A @ 17.5% of cost of CA	Rs. 1,57,970/-
*(C)	Departmental Charges on Addl. CA @ 17.5% of cost of Addl. CA.	NA
*(d)	Departmental Charges on Penal CA @ 17.5% of cost of Penal CA	N A
*(e)	Other charges, if any (*specify) Reclamation Plan (17.5% departmental charges)	Rs. 95,796/-
*III	VAT on cost of trees	N A
*IV	Income Tax & surcharge on value of trees	Rs. 105185
	Total (II): -	Rs. 44,43,790/-

3. The compensatory levies mentioned above may be deposited strictly in accordance with the following guidelines: -

(A) FOR AMOUNT (s) MENTIONED at 2(I) TO BE DEPOSITED IN ADHOC-CAMPA ACCOUNT

- i) To be deposited by your Department directly through e- payment portal such as online challan mode through the RTGS and NEFT/ off line challan mode in Ad-hoc CAMPA account from your Bank Account in the Account of Adhoc -CMAPA as per e-challan generated through online Portal/ system.

- ii) The amount to be deposited in Adhoc CAMPA account has to be deposited through e- payment portal such as online challan mode through the RTGS and NEFT/ off line challan mode only and should be deposited separately against each forest land diversion proposal. CA/ NPV amounts and other levies of two or more cases should not be clubbed and deposited together.
- iii). After depositing the amount of CA, NPV etc. in Adhoc- CAMPA account through e-payment portal, the UTR No. & date of each such transaction shall be provided to the Forest Department for reference and not the 'Token No' or Demand Draft No through which it has been deposited
- iv). While filling the RTGS form of the Bank, the name of user agency shall be correctly filled in the relevant column and the name so filled shall be same as appearing in the proposal folder.

(B) FOR AMOUNTS MENTIONED AT 2(ii) TO BE DEPOSITED IN STATE GOVT. TREASURY:-

- i). Amounts due towards Departmental charges on CA & Reclamation plan, @ 17.5% shall be deposited in this office through cheque/ DD in favour of Divisional Forest Officer, Parvati Forest Division, Shamshi payable at (Name of place).

You are, therefore, requested to release the funds at the earliest and submit the compliance along with supporting documents and undertaking as per stipulations imposed (39 Points) in "In-Principle" approval to this office at the earliest, so that case for final approval be sent to higher authorities. Copies of bills are also attached herewith for ready reference. Further ensure that no construction etc. on forestland be started on forestland till final approval.

Encls: As above.

Signed by
Parveen Kumar
Deputy Conservator of Forests,
Parvati Forest Division, Shamshi.
Date: 07-01-2025 11:51:40.

Himachal Pradesh Forest Department							
Parbati Forest Division, Shamshi.							
Calculation of Revised Net Present Value (NPV) as per Hon'ble Supreme Court of India order dated 28.03.08 in CWPO 202of 1995 and as per recommendation of State Advisory Group meeting dated 24.01.12 and Ministry of Environment Forest and Climate Change (FCA) GoI letter No. 5-3/2011-FC(vol.-I) dated 6-01-2022 for 1.496 ha Forest land proposed for diversion in favour of M/S Beena Butail for c/o Kasol (5.00MW) Small Hydro Project Pvt. Limited.							
Name of Project Kasol SHEP (5.00MW)							
User Agency M/S Beena Butail (Sole) Butail Complex- Bandla Tea Estate Palampur- Kangra-176061							
Sr. No.	Name of Forest	Location	AREA in Ha.		Category of NPV	Category of rate for NPV	Rate of NPV/ha
			Mature * Stems	Area ^ involved	Crown Density		
1	R/4 Kasol (RF) & 1/9 Khobas (DPF)	Grahan beat, Kasol Block of Kasol Range	61	1.496448 ha	10.23% or 0.102	Open Forest	Eco-Class VI 10,69,470/-
Total :			1.49 ha				
Notes:							
Mature * Stems			All trees above Dia class - III + Half the number of all the trees Dia Class IV and below				
Area ^ involved			Area involved in the construction of Kasol SHEP (5.00MW)				
ABSTRACT (Rupees in Rs and Area in Ha)							
Forest Cover Classes		Category of rate for NPV		Area involved		Rate	Amount
		Open Forest		1.496448 ha		10,69,470	16,00,406/-
(Rs. Sixteen Lac Four Hundred Six Only)							


Deputy Conservator of Forests,
Parvati Forest Division, Shamshi.

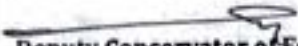
NPV

FCA Case No:- FP/HP/Others/37189/2018					
BILL FOR COMPENSATORY AFFORESTATION SCHEME (CA)					
Subject:- Diversion of diversion of 1.496ha of forestland In favour of M/s Beena Butail Complex Bandla Tea Estate Palampur for the construction of Kasol Hydro Power SHEP 5.00MW, within the Jurisdiction of Parvati Forest Division, Distt. Kullu HP. (Online proposal No. FP/HP/HYD/37189/2018/2018)					
PER HECTARE COST NORM FOR MODEL PLANTATION UNDER COMPENSATORY AFFORESTATION SCHEME (1100 plant per Ha with RCC fence posts)					
Area Taken For CA = 2 x 1.496 ha = 2.992 Ha			Or Say = 3.00 Ha		
Species to be Planted =			OBL & Conifer species as per site suitability		
Area proposed for CA Site =			Survey sheet No. 53/E/5 Komlgahar, 1/9 Khobas, Grahani beat, Kasol Range		
Sr. No.	Particular of work	Unit	Qty	Mandays Involved	Amount In Rs. at the wages of 400/-
A	Fencing:-				
1	Survey & demarcation of plantation area	ha	1	0.67	268
2	Preparation/purchase of RCC fence posts @ Rs 490/post	Nos	50	LS	24500
3	Carriage of RCC fence post up to 2 mtr. Long Over distance 2 KM	Nos	50	22.33	8932
4	Preparation/digging of holes 20 x 30 x 50 CM size	Nos	50	3.02	1208
5	Fixing of RCC fence posts i/c strutting	Nos	50	2.39	956
6	Carriage of barbed wire over distance 2 Km uphill/downhill	Qtl	0.75	0.74	296
7	Stretching & fixing of barbed wire in 4 stands	RMT	600	19.2	7680
8	Interlacing of thorny bushes along the fence	RMT	150	4.09	1636
9	Cost of Barbed wire	Qtl	0.85	6510	5534
TOTAL FENCING COST :					51010
Add. 10% Increase on escalation of wage/material rate =					5101
Total (A)-Fencing =					56111
B	Planting:-				
1	Bush Cutting in strips (3m x 3m)	Ha	1	7.95	3180
2	Digging of pits 45x45x45 cm size	Nos	1100	63.60	25440
3	Filling of pits 45x45x45 cm	Nos	1100	18.13	7252
4	Carriage of plants in p bags over distance 2KM uphill/downhill	Nos	1100	25.33	10132
5	Planting of plants raised in P/bags	Nos	1100	14.53	5812
6	Construction of Inspection Paths	RMT	100	7.33	2932
7	Cost of sign Board, carriage & Fixing	1	L/S	3500.00	3500
8	Nursery cost of Plants @ Rs 30 per plant	Nos	1100	LS	33000
TOTAL PLANTING COST :					91248
Add. 10% Increase on escalation of wage/material rate =					9125
Total (B)-Planting =					100373
C	Maintenance Cost				
1st Year Maintenance (30% beating up)					
1	Re digging of pits 45x45x45 cm	Nos	330	9.53	3812
2	Filling of pits 45x45x45 cm	Nos	330	5.43	2172
3	Planting of Plants raised in P/ Bags	Nos	330	7.60	3040
4	Carriage of Plants in P bags over distance 2km uphill/downhill	Nos	330	4.36	1744
5	Repair of fencing	Rmt	60	0.72	288
6	Nursery cost of Plants	Nos	330	30.00	9900
TOTAL:-					20956

	Add. 20% Increase on escalation of wage/material rate =				4191
	Total (1st Yr Maint.) =				25147
	2nd Year Maintenance (20% beating up)				
1	Re digging of pits 45x45x45 cm	Nos	220	6.36	2544
2	Filling of pits 45x45x45 cm	Nos	220	3.62	1448
3	Planting of Plants raised in P/ Bags	Nos	220	5.06	2024
4	Carriage of Plants in P bags over distance 2 km uphill/downhill	Nos	220	2.90	1160
5	Repair of fencing	Rmt	60	0.72	288
6	Nursery cost of Plants	Nos	220	30	6600
	TOTAL:-				14064
	Add. 30% Increase on escalation of wage/material rate =				4219
	Total (2nd Yr Maint.) =				18283
	3rd Year Maintenance (10% beating up)				
1	Re digging of pits 45x45x45 cm	Nos	110	3.18	1273
2	Filling of pits 45x45x45 cm	Nos	110	1.80	720
3	Planting of Plants raised in P/ Bags	Nos	110	2.63	1052
4	Carriage of Plants in P bags over distance 2 km uphill/downhill	Nos	110	1.45	580
5	Repair of fencing	Rmt	60	0.72	288
6	Nursery cost of Plants	Nos	110	30	3300
	TOTAL:-				7213
	Add. 40% Increase on escalation of wage/material rate =				2885
	Total (3rd Yr Maint.) =				10098
	4th year Maintenance (10% beating up)				
1	Re digging of pits 45x45x45 cm	Nos	110	3.18	1273
2	Filling of pits 45x45x45 cm	Nos	110	1.80	720
3	Planting of Plants raised in P/ Bags	Nos	110	2.63	1052
4	Carriage of Plants in P bags over distance 2 km	Nos	110	1.45	580
5	Repair of fencing	Rmt	60	0.72	288
6	Nursery cost of Plants	Nos	110	30	3300
					7213
	Add. 50% Increase on escalation of wage/material rate =				3606
	Total (4th Yr Maint.) =				10819
	5th year Maintenance (10% beating up)				
1	Re digging of pits 45x45x45 cm	Nos	110	3.18	1273
2	Filling of pits 45x45x45 cm	Nos	110	1.80	720
3	Planting of Plants raised in P/ Bags	Nos	110	2.63	1052
4	Carriage of Plants in P bags over distance 2 KM uphill/down hill	Nos	110	1.45	580
5	Repair of fencing	Rmt	60	0.72	288
6	Nursery cost of Plants	Nos	110	30	3300
					7213
	Add. 60% Increase on escalation of wage/material rate =				4328
	Total (5th Yr Maint.) =				11541
	6th year Maintenance (10% beating up)				
1	Re digging of pits 45x45x45 cm	Nos	110	3.18	1273
2	Filling of pits 45x45x45 cm	Nos	110	1.80	720
3	Planting of Plants raised in P/ Bags	Nos	110	2.63	1052
4	Carriage of Plants in P bags over distance 2 KM uphill/down hill	Nos	110	1.45	580
5	Repair of fencing	Rmt	60	0.72	288
6	Nursery Cost of Plants	Nos	110	30	3300
					7213
	Add. 70% Increase on escalation of wage/material rate =				5049
	Total (6th Yr Maint.) =				12262

7th year Maintenance (10% beating up)					
1	Re digging of pits 45x45x45 cm	Nos	110	3.18	1273
2	Filling of pits 45x45x45 cm	Nos	110	1.80	720
3	Planting of Plants raised in P/ Bags	Nos	110	2.63	1052
4	Carriage of Plants in P bags over distance 2 KM uphill/ down hill	Nos	110	1.45	580
5	Repair of fencing	Rmt	60	0.72	288
6	Nursery Cost of Plants	Nos	110	30	3300
					7213
Add. 80% Increase on escalation of wage/material rate =					5770
Total (7th Yr Maint.) =					12983
8th year Maintenance (10% beating up)					
1	Re digging of pits 45x45x45 cm	Nos	110	3.18	1273
2	Filling of pits 45x45x45 cm	Nos	110	1.80	720
3	Planting of Plants raised in P/ Bags	Nos	110	2.63	1052
4	Carriage of Plants in P bags over distance 2 KM uphill/	Nos	110	1.45	580
5	Repair of fencing	Rmt	60	0.72	288
6	Nursery Cost of Plants	Nos	110	30	3300
					7213
TOTAL:-					7213
Add. 90% Increase on escalation of wage/material rate =					6492
Total (8th Yr Maint.) =					13704
9th year Maintenance (10% beating up)					
1	Re digging of pits 45x45x45 cm	Nos	110	3.18	1273
2	Filling of pits 45x45x45 cm	Nos	110	1.80	720
3	Planting of Plants raised in P/ Bags	Nos	110	2.63	1052
4	Carriage of Plants in P bags over distance 2 KM uphill/	Nos	110	1.45	580
5	Repair of fencing	Rmt	60	0.72	288
6	Nursery Cost of Plants	Nos	110	30	3300
					7213
TOTAL:-					7213
Add. 100% Increase on escalation of wage/material rate =					7213
Total (9th Yr Maint.) =					14426
10th year Maintenance (10% beating up)					
1	Re digging of pits 45x45x45 cm	Nos	110	3.18	1273
2	Filling of pits 45x45x45 cm	Nos	110	1.80	720
3	Planting of Plants raised in P/ Bags	Nos	110	2.63	1052
4	Carriage of Plants in P bags over distance 2 KM uphill/	Nos	110	1.45	580
5	Repair of fencing	Rmt	60	0.72	288
6	Nursery Cost of Plants	Nos	110	30	3300
					7213
TOTAL:-					7213
Add. 110% Increase on escalation of wage/material rate =					7934
Total (10th Yr Maint.) =					15147
ABSTRACT					
1	New Plantation(Fencing+Planting)				156484
2	1st Year Maintenance				25147
3	2nd Year Maintenance				18283
4	3rd Year Maintenance				10098
5	4th Year Maintenance				10819
6	5th Year Maintenance				11541
7	6th year Maintenance				12262
8	7th year Maintenance				12983
9	8th year Maintenance				13704
10	9th year Maintenance				14426

11	10th year Maintenance				15147
	GRAND TOTAL (Cost Norm per Ha):-				300895
	Area to be taken for Comepnsatory Afforestation	ha	3		
	Cost for compensatory afforestation (3.0 ha) =	ha	3.0	300895	902684
	Add 17.50% Departmental Charges			17.50%	157970
	Add 5% Contingency charges on CA			5%	45134
	Total Compensatory afforestation scheme Cost for 3.0 ha =				1105787
	(Eleven Lakh Five Thousand Seven Hundred Eighty Seven Rupees only)				
Note:-					
1	Above scheme is liable to correct as per instruction/guide lines issued by the Govt. time to time.				
2	Any Bonafide mistake grammatical or other wise shall be liable to corrected.				


 Deputy Conservator of Forest
 Parvati Forest Division, Shamshi, Kullu

B	PLANTING :-						
1	Bush Cutting in Strips (3mx3m)	0.305	hec.	1192.8	363	2.42	₹ 969
2	Digging of pits of 45x45x45 cm size	335	Nos.	9.54	3192	21.28	₹ 8,513
3	Filling of pits of 45x45x45 cm size	335	Nos.	2.72	910	6.07	₹ 2,427
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	335	Nos.	1.9	1272	8.48	₹ 3,391
5	Planting of plant Raised in P/Bags	335	Nos.	2.18	729	4.86	₹ 1,945
6	Construction of Inspection Path	100	Rmt.	11	1100	7.33	₹ 2,931
7	Cost of sign Board Carriage & Fixing		No.	l/s	450	10	₹ 4,500
	Total- B/ Planting						₹ 24,678
	Or Say Rs						₹ 24,680
	Grand Total (A+B)						₹ 4,28,700
	Cost of Tall plants (75-00 per plant)	335	Nos.				₹ 25,096
	Grand Total						₹ 4,53,796
	Or Say Rs						₹ 4,53,800
C	1st Year maintenance (30% Beating up)						
1	Re-digging of pits of 45x45 cm size	100	Nos.	4.77	479	3.19	₹ 1,277
2	Filling of pits 45x45x45 cm	100	Nos.	2.72	273	1.82	₹ 728
3	Planting of plants raised in P/Bags	100	Nos.	2.18	219	1.46	₹ 584
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	100	Nos./K m	1.9	381	2.54	₹ 1,017
5	Repair of B/Wire fencing	1087.2	Rmt.	1.8	1957	13.05	₹ 5,219
6	Cost of plants (75-00 per plant)	100	Nos.	75	7529		₹ 7,529
	Total						₹ 16,353
	Or Say Rs						₹ 16,355
D	2nd Year maintenance (20% Beating up)						
1	Re-digging of pits of 45x45 cm size	67	Nos.	4.77	319	2.13	₹ 851
2	Filling of pits 45x45x45 cm	67	Nos.	2.72	182	1.21	₹ 485
3	Planting of plants raised in P/Bags	67	Nos.	2.18	146	0.97	₹ 389
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	67	Nos./K m	1.9	254	1.70	₹ 678
5	Repair of B/Wire fencing	724.8	Rmt.	1.8	1305	8.70	₹ 3,479
6	Cost of plants (75-00 per plant)	67	Nos.	75	5019		₹ 5,019
	Total						₹ 10,902
	Or Say Rs						₹ 10,900
E	3rd Year maintenance (10% Beating up)						
1	Re-digging of pits of 45x45 cm size	33	Nos.	4.77	160	1.06	₹ 426
2	Filling of pits 45x45x45 cm	33	Nos.	2.72	91	0.61	₹ 243
3	Planting of plants raised in P/Bags	33	Nos.	2.18	73	0.49	₹ 195
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	33	Nos./K m	1.9	127	0.85	₹ 339
5	Repair of B/Wire fencing	362	Rmt.	1.8	652	4.35	₹ 1,740
6	Cost of plants (75-00 per plant)	33	Nos.	75	2510		₹ 2,510
	Total						₹ 5,451
	Or Say Rs						₹ 5,450

F	4th Year maintenance (10% Beating up)						
1	Re-digging of pits of 45x45 cm size	33	Nos.	4.77	160	1.06	₹ 426
2	Filling of pits 45x45x45 cm	33	Nos.	2.72	91	0.61	₹ 243
3	Planting of plants raised in P/Bags	33	Nos.	2.18	73	0.49	₹ 195
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	33	Nos./K m	1.9	127	0.85	₹ 339
5	Repair of B/Wire fencing	362.4	Rmt.	1.8	652	4.35	₹ 1,740
6	Cost of plants (75-00 per plant)	33	Nos.	75	2510		₹ 2,510
	Total						₹ 5,451
	Or Say Rs						₹ 5,450
G	5th Year maintenance (10% Beating up)						
1	Re-digging of pits of 45x45 cm size	33	Nos.	4.77	160	1.06	₹ 426
2	Filling of pits 45x45x45 cm	33	Nos.	2.72	91	0.61	₹ 243
3	Planting of plants raised in P/Bags	33	Nos.	2.18	73	0.49	₹ 195
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	33	Nos./K m	1.9	127	0.85	₹ 339
5	Repair of B/Wire fencing	362.4	Rmt.	1.8	652	4.35	₹ 1,740
6	Cost of plants (75-00 per plant)	33	Nos.	75	2510		₹ 2,510
	Total						₹ 5,451
	Or Say Rs						₹ 5,450
	Total Maint. (C to G)						₹ 43,605
	Total New planting & Maint.						₹ 4,97,405
H	For Plant Watering						₹ 50,000
	Sub Total						₹ 5,47,405
	Add 17.50% Department charges						₹ 95,796
	Add 5% contingency charges						₹ 27,370
	Grand Total						₹ 6,70,571
	Or Say						₹ 6,70,570
	Rupees Six Lakh Seventy Thousand Five Hundred Seventy Only.						

Deputy Conservator of Forest
Parvati Forest Division Shamshi
Distt. Kullu HP.

Bill of trees coming in the Final Alignment of Kasol SHEP (5.00 MW)
M/S Beena Butail, Palampur, Distt. Kangra, HP (Area proposed for diversion = 1.496448 ha.)
Enumeration list of trees of Grahani Beat, Kasol Block, Kasol Forest Range, Parvati Forest Division

TOTAL ABSTRACT

S.No	Species	No. & Vol. (m³)	Class wise										Total		Rate/ m³	Amount In Rs.
			V	IV	III	II A	II B	IA	IB	IC	ID	No.	Volume (m³)			
1	Deodar	No.	6	4	14	2	2	0	0	0	0	28				
		Vol.	0.60	1.60	14.00	3.80	6.00	0	0	0	0	0	26.00	84683		2201758
2	Kail	No.	2	1	3	0	1	0	1	0	0	8				0
		Vol.	0.20	0.40	3.00	0	3.00	0	5.10	0	0	0	11.70	73081		855048
3	Chil	No.	0	1	2	0	0	4	0	0	0	7				0
		Vol.	0	0.40	2.00	0	0	15.6	0	0	0	0	18.00	55596		1000728
4	Popular	No.	2	5	4	0	0	0	0	0	0	11				0
		Vol.	0.60	3.50	5.60	0	0	0	0	0	0	0	9.70	2815		27306
5	Khirak	No.	0	1	0	0	0	0	0	0	0	1				0
		Vol.	0	0.70	0	0	0	0	0	0	0	0	0.70	20102		14071
6	Darai	No.	3	6	1	0	0	1	0	0	0	11				0
		Vol.	1.50	6.00	1.80	0	0	6.0	0	0	0	0	15.30	20102		307561
7	Baras	No.	1	2	0	0	0	0	0	0	0	3				0
		Vol.	0.30	1.40	0	0	0	0	0	0	0	0	1.70	20102		34173
8	Mahun	No.	0	0	0	0	0	0	2	0	0	2				0
		Vol.	0	0	0	0	0	0	11.40	0	0	0	11.40	20102		229163
9	Ban	No.	2	2	0	0	0	0	0	0	0	4				0
		Vol.	0.60	2.00	0	0	0	0	0	0	0	0	2.60	20102		52265
10	Khachan	No.	2	4	1	0	0	0	0	0	0	7				0
		Vol.	0.40	2.80	1.30	0	0	0	0	0	0	0	4.50	20102		90459
11	Rikhal	No.	0	0	1	0	0	0	0	0	0	1				0
		Vol.	0	0	1.40	0	0	0	0	0	0	0	1.40	20102		28143
Total												83	103.00		4084839	
I. Tax@ 2.5%															102121	
Surcharge on I.Tax 3%															3064	
Grand Total:-															4190024	
Rupees Forty One Lac Ninety Thousand Twenty Four Only)																

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TABLE- 4(a)

Financial Outlay-Cost Estimates for Wildlife Mitigation Plan for KasolSHEP project										
Sr. No.	Activity	Qty	Unit	year-1	Year-2	Year-3	Year-4	Year-5	Total	Remarks
A	Wildlife Management									
1	Habitat Restoration in ESZ	LS	LS	50000	150000	200000	250000	300000	950000	plan need to be prepared through WII Dehradun by UA
2	Habitat Connectivity & Corridor Establishment-Creation of over/ under passes at specific locations for smooth wildlife movement	2	No	0	300000	0	300000	0	600000	site specific, based on obstructions generated
3	Creation of water holes/ponds in ESZ & WL Sanctuary	15	No	75000	75000	75000	75000	75000	375000	site specific for wild life
4	Eradication of unwanted weeds in ESZ & WL Sanctuary	10	HA	25000	25000	25000	25000	25000	125000	Shia in ESZ & 5 ha in WL Sanctuary for effective participation of local community in conservation
5	Awareness camps and training workshops for local community	10	No	30000	30000	30000	30000	30000	150000	by engaging experts from WII Dehradun etc
6	Survey and estimation of flora & Mega fauna in Kanawar WLS & ESZ	3	no.	100000	0	100000	0	100000	300000	By engaging expert birders and field staff
7	Preparation of checklist of birds in ESZ & WL Sanctuary	2	no.	25000	0	0	0	25000	50000	to enhance the capacity of field staff
8	Training & Exposure visits to field staff	LS	LS	50000	50000	50000	50000	50000	250000	

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9	Field Equipment (Camera, Wireless system, search lights, GPS, camera traps, camping equipment, surveillance drone, safety gears etc.)	LS	LS	100000	75000	0	75000	0	250000	Required for patrolling and wildlife surveillance, monitoring etc
	Sub-total (A) =	42	0	455000	705000	480000	805000	605000	3050000	
B	Biodiversity Conservation									
1	Enrichment plantation in ESZ	5	Ha	230000	60000	45000	45000	35000	415000	works to be carried out by Forest Department at the cost of UA
2	Soil & Moisture Conservation activities such as bio-engineering measures, check walls, check dams, contour trenching, retaining walls, water ponds etc	LS	LS	500000	50000	50000	50000	50000	700000	
3	Preparation of Biodiversity register	1	No.	100000	0	0	0	0	100000	work to be done by local BMC & Forest department by engaging experts from WII Dehradun or IIFM Bhopal etc
4	Identification of Invasive species and recovery of susceptible species in ESZ	LS	LS	25000	25000	50000	50000	100000	250000	
	Sub-total (B) =	6	0	855000	135000	145000	145000	185000	1465000	
C	Forest Protection									
1	Reward for communities living in the villages which are falling inside the ESZ	LS	LS	15000	15000	15000	15000	15000	75000	incentive for community & field staff
2	Amenities to patrolling staff	LS	LS	25000	0	25000	0	25000	75000	required for effective surveillance
3	C/o watch towers at appropriate locations for surveillance (02 nos.)	1	no.	150000	0	150000	0	0	300000	for patrolling & wild life rescue operations etc
4	Mobility to field staff (hiring of vehicle for patrolling and rescue operations)	LS	LS	30000	30000	30000	30000	30000	150000	fire protection
5	Maintenance of fire lines	LS	LS	20000	20000	20000	20000	20000	100000	

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	Purchase of computer & Printers etc for o/o Kasol Forest Range	LS	LS	75000	75000	15000	15000	20000	200000	up gradation of Range office to be carried out from IIRS Dehradun or FSJ Dehradun
6	Remote Sensing Survey & preparation of GIS Map, LIDAR (Light Detection and Ranging) survey	LS	LS	100000	0	100000	0	0	200000	to be done jointly by Territorial division & wild life division
7	Installation of Boundary pillars in ESZ & Kanawar WL Sanctuary	LS	LS	50000	75000	25000	25000	25000	200000	to be carried out through Wild Life Institute of India, Dehradun
8	Sub-total (C) =	1	0	315000	140000	255000	80000	110000	900000	
D	Research and Development activities									
1	Research and Development activities related to flora and fauna of the Eco Sensitive Zone i.e. study of genetics of mega fauna etc	LS	LS	100000	0	0	0	100000	200000	to be carried out through Wild Life Institute of India, Dehradun
2	Research and Development activities related to flora and fauna in Kanawar wildlife Sanctuary i.e. study of genetics of mega fauna etc	LS	LS	100000	0	0	0	100000	200000	to be carried out through Wild Life Institute of India, Dehradun
3	Sinages & monitoring	10	10	50000	0	25000	0	25000	100000	To be established by User Agency or by Forest Department at the cost of UA
4	Establishment of weather station	1	1	350000	0	0	0	0	350000	
5	Purchasing of Biomass and Carbon Measurement, Acoustic Monitoring Devices Tools etc	LS	LS	200000	50000	0	50000	0	300000	
	Sub-Total (D) =	11	11	800000	50000	25000	50000	225000	1150000	
	Grand Total (A+B+C+D) =	60	11	2425000	1030000	905000	1080000	1125000	6565000	

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