OO TERMINENT OF STREET

OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FOREST-cum-PRINCIPAL SECRETARY FORESTS, ENVIRONMENT & WILDLIFE MANAGEMENT DEPARTMENT

FOREST SECRETARIAT, DEORALI, GANGTOK-737 102 [PHONE: 281261 (O), 202590 (R) FAX: 03592 - 281778]

Ref No.A-4(2016-17)FCA/FEWMD/....25

Date: 29/6/ 2020

To,

The Chief Executive officer National Authority 4th Floor, Block No. 3 CGO Complex, New Delhi 110 003

Sub:

Annual Plan of Operation (APO) 2020-21 for State Authority, Sikkim.

Sir,

Kindly find enclosed herewith Annual Plan of Operation (APO) 2020-21 in respect of State Authority, Sikkim. The summary of Annual Plan of Operation (APO) 2020-21 including additional activities and unspent balance of 2019-20 under State Authority, Sikkim is, as under:-

SI. no.	Activities	APO 2020-21 (Amount in lakhs)	Additional Activities approved in APO 2019-20 (Amount in lakhs)	Spillover/unsp ent balance of APO 2019-20 activities (Amount in lakhs)	Grand Total (Amount in lakhs)
1	Compensatory Afforestation (CA) schemes	506.30	0.00	177.90	684.20
2	Catchment Area Treatment (CAT) Plan	708.34	0.00	132.93	841.27
2	Integrated Wildlife Management Plan	673.35	0.00	146.34	819.69
3	Net Present Value (A)	2489.39	617.10	75.85	3,182.35
	Net Present Value (B)	622.35	174.21	80.79	877.35
4	CAF Interest (A)	867.96	0.00	8.00	875.96
	CAF Interest (B)	578.64	252.20	94.51	925.35
5	Others (Biodiversity Conservation Plan)	388.51	0.00	175.83	564.34
	GRAND TOTAL	6834.84	1043.51	892.16	8,770.51

(Rupees eighty seven crores seventy lakhs and fifty one thousand) only

Further, the Steering Committee, State Authority, Sikkim approved the APO 2020-21 in its 3rd meeting held on 26-06-2020 as under:-

- 1. APO 2020-21 Rs.6834.84 lakhs
- 2. Additional activities approved in the year 2019-20 for Rs. 1043.51 lakhs is approved for implementation in the financial year 2020-21 for which fund from the Finance Department is required. The Cabinet approval is enclosed for reference.
- 3. Approval for utilization of unspent balance for Rs. 892.16 lakhs.
- 4. The total financial outlay for the financial year 2020-21 is Rs. 8770.51 lakhs

Submitted for information and approval of the APO 2020-21 including additional activities and unspent balance of the financial year 2019-20 as above, please.

Yours faithfully

(Y.P. Gurung, IFS)

Chief Conservator of Forest-cum-Chief Executive Officer,

State-Authority, CAMPA, Sikkim

01. COMPENSATORY AFFORESTATION (CA)

Object	Approv	ed FC cases	Proposed Allocation		
Head	Number	FL diverted (In Ha)	Name of Activity	Phy Target (in Ha)	Fin Target (in lakh)
1 – 307	307	1828.27	Yearly Maintenance of CA	2691.98	228.04
308-314	9	192.28	Creation of New CA (during the Yr.2020-21)	106.43	315.76
TOTAL	316	2020.55		2798.41	543.32

02. CATCHMENT AREA TREATMENT (CAT) PLAN

CAT Plan is one of the activities of Environment Management Plan (EMP) approved by the Govt of India, with the prior recommendation of the State Govt, while conveying the environment clearance under the provisions of Environment Impact Assessment Notification, 2006 for construction of hydro electric power project by Power developers. Technically, the EMP are based upon the Impact Assessment Report of the catchment areas prepared by the Environment Experts and submitted by the Power developer in terms of reference (ToR) as sought by the Govt of India under the said Act/Rules. These are all conservation parameters being imposed to ensure the environmental safeguard of the catchment area of the respective power projects..

It was further explained that 11 CAT Plan are being implemented with the fund released by the Ad Hoc CAMPA as per the previous Guidelines which was not adequate to achieve the targets as stipulated under the environment clearance. In terms of recent CAF Act/Rules, the APOs have been prepared as per the SoR-2018 (Forestry activities) duly incorporating the balance targets to be achieved objectively, as under:-

Object	Implementation of CAT Plan for environmental	PROPOSED A	LLOCATION
Head	safeguard of catchment areas identified for :-	Physical	Financial
		Target	Target (in lakhs)
1	Diversion of forest land for construction of Chujachen HEP	As per detailed Program.	57.76
2	99 MW Jorethang Loop Hydroelectric Project in South/West District by Dans Energy Pvt Ltd	As per detailed Program.	23.96
3	132 MW Teesta Low Dam Project Hydro Electric Project in East/South District by NHPC	As per detailed Program.	49.81
4	120 MW Rangit Hydro Electric Project stage-IV in West/South District by Jal Power Corporation Ltd	As per detailed Program.	36.00
5	500 MW Teesta Hydroelectric Project stage-VI in South/East District by LANCO Energy Pvt Ltd	As per detailed Program.	113.96
6	1200 MW Teesta Hydroelectric Project stage - III in North District by Teesta Urja Pvt Ltd	As per detailed Program.	81.77
7	96 MW Dikchu Hydroelectric Project in North/East District by Sneha Kinetic Pvt Ltd	As per detailed Program.	122.14
8	96 MW Rongnichu Hydroelectric Project in East District by Madhya Bharat Pvt Ltd	As per detailed Program.	56.20
9	66 MW Rangit Hydroelectric Project stage -II in West District by Sikkim Power Venture Pvt Ltd	As per detailed Program.	85.65
10	300 MW Panan Hydroelectric Project in North Sikkim by Himgiri Private Ltd	As per detailed Program.	56.89
11	51 MW Bhasmey HEP in East District by Gati Infrastructure Pvt Ltd	As per detailed Program.	29.58
	Total		713.73

(Rupees seven crores thirteen lakhs and seventy three thousand) only

03. INTEGRATED WILDLIFE MANAGEMENT PLAN (PA)

It was further explained that Wildlife Conservation & Management Plan are the mandatory conditions stipulated by the Govt of India in compliance of orders of the Hon'ble Supreme Court in the cases where the forest land had been diverted from the Wildlife Sanctuary areas (PA) for non-forestry purposes of User agency as under.

		PROPOSED AI	LOCATION
Object Head	Name of activities under implementation	Physical Target	Financial Target (In lakhs)
1	Diversion of 83.0405 ha of forest land for construction of 1200 MW Teesta stage III HEP in North District of Sikkim by M/s Teesta Urja Limited.	As per approved work program	3.89
2	Diversion of 0.164 Ha of forest land from Bhalukhop / Fambonglho WL Sanctuary for water supply scheme to Ranka and surrounding areas by RMDD	As per approved work program	0.18
3	Diversion of 18.16 Ha of forest land from Pangolakha WL Sanctuary for construction of road from tri junction to Bheem base Dokala by BRO	As per approved work program	34.87
4	Diversion of 52.70 ha of reserve forest land for the construction/improvement of Flaghill - Madhubala - Dokala Road in Latuii RF within the Pangolakha Wildlife Sanctuary in East Sikkim by 130 RCC (BRO)	As per approved work program	250.01
4	WL Cons & Protection Plan in Maenam Wildlife Sanctuary (PA) stipulated for the diversion of 2.10 Ha of forest land for Dhapper Skywalk/ Ropeway in South District	As per approved work program	130.00
6	Diversion of 25.82 ha of forest land for construction road from Sopakha Village to Chewabhanjyang passing through Barsey Rhododendron Sanctuary in West Sikkim by Road & Bridges Department	As per approved work program	254.40
	TOTAL		681.43

(Rupees six crores eighty one lakhs and forty three thousand) only.

04. NET PRESENT VALUE (NPV) SCHEME

It was further deliberated that NPV of forest land have been recovered, together with the CA cost, from the User Agencies against the diversion of forest land under FC Act 1980 for various project purposes of User agencies. In terms of sub-rule (2) and (3) of rule 5 of CAF Rules 2018, the NPV are required to be utilized for undertaking the permissible activities in the ratio of 80% and 20% respectively in a year. The Committee members discussed thoroughly on the activities included in the proposed APO under NPV as under:-

04. PROPOSED ACTIVITIES UNDER NET PRESENT VALUE (80%) IN THE APO 2020-21

Objec			PROPOS	ED ALLOCA	TION	
t	Name of activities	Altd.	Phy Target	Rate	Fin. Target (in Rs.)	Remarks
Head			raiget		(111 KS.)	
1	Aided Natural Regeneration					
(a)	North Division	НА	40	37,556	15.02	As per Rule No.5(2) (a)
		LA	60	25,089	15.05	-do-
(b)	East Division	НА	40	37,556	15.02	-do-
(b)	East Division	LA	60	25,089	15.05	-do-
(c)	South Division	LA	100	25,089	25.09	-do-
(d)	West Division	НА	40	37,556	15.02	-do-
(u)	West Division	LA	60	25,089	15.05	-do-
(0)	Maintananca 1st year	HA	110	9,711	10.68	-do-
(e)	Maintenance 1st year	LA	245	6,505	15.94	-do-
	Sub-Total (a - e)				141.94	
2	Artificial Regeneration					As per Rule 5(2) (b)

	(Maintenance of nursery for					
(a)	production of seedlings for		6		36.41	-do-
(-,	Artificial Regeneration)				00	
	Artificial Regeneration (Block	НА	27	56,602	15.28	-do-
(b)	Plantation)	LA	50	37,735	18.87	-do-
(c)	Fodder Plantation	LA	200	22,195	44.39	-do-
(d)	Silvipasture Development	LA	150	25,757	38.64	-do-
(e)	Avenue Plantation	LA	30	64,195	19.26	-do-
(-)	Sub-Total (a - b)			5 1,200	172.84	
					17210-1	AS per Rule 5(2)
3	Silviculture Operation in forests,					(c.)
, ,	Identification, selection &					, ,
(a)	marking of mother trees.		1 job		10.00	-do-
41.	Preparation of standards of					
(b)	operation (SOP)		1job		4.40	-do-
, ,	Silviculture thining of cryptomeria		4.0	4 04 0=0		
(c)	(Dhupi)		40	1,31,250	52.50	-do-
(1)	Growing stock and tree					
(d)	enumeration in reserve forest (LS)				50.55	-do-
()	Growing stock estimation in				44 74	
(e)	existing resource plots.				41.74	-do-
	Lahnkuri patch plantation					
(f)	(<i>Fraxinus Sikkimensis</i>) A tree with		2	50,000	1.00	
, ,	medicinal value					
(g)	Malagiri patch plantation		3	50,000	1.50	
	Thining of teak plantation					
(h)	(Tectona grandis)		30	1,31,250	39.38	
	Sub-Total (a - e)				201.07	
	Protection of plantations and				201.07	AC man Dula (7/2)
4	forests					AS per Rule 5(2) (d)
	lorests			11,21,65		(u)
(0)	Construction of durations for sing	HA	10	5	112.17	-do-
(a)	Construction of dry stone fencing	ΙΛ	25	+	238.65	4-
		LA	25	9,54,600	236.03	-do-
(b)	Construction of water tank for		20	3,00,000	60.00	-do-
	protection of plantations					
(c)	Eco-restoration of the catchment		140	54,771	76.68	-do-
	area Construction of catch water drain					
(d)	in different locations		2000	4,749	94.98	-do-
	Construction of CCM Wall in land					
(e)	slide areas		2230	5,604	124.97	-do-
	Construction of Sausage					
(f)	_		2200	3,635	79.97	-do-
	Wall/Crate Wll in land slide areas					
(g)	Construction of DRSM Wall in land slide areas		1500	2,308	34.62	-do-
(h)	Protection by raising agave plantation along the forest		45		15.60	40
(11)	•		45		15.00	-do-
	boundary line					
/:\	Barbed wire with wooden post		10	2.01.000	20.10	
(i)	fencing along forest boundary line at vulnerable areas		10	3,81,000	38.10	
	Sub-Total (a - i)				875.73	
5	Forest fire prevention and					AS per Rule 5(2) (f)
	control operations					() ()
, .		١	1		2.50	-do-
(a)	Mobilization of Sikkim (Police)	Job				
(a)	Fire service	Job	1			
	Fire service Procurement of fire fighting			60.000		
(a) (b)	Fire service Procurement of fire fighting equipments	Job No.	20	60,000	12.00	-do-
(b)	Fire service Procurement of fire fighting equipments Strengthening / maintenance of			60,000		-do-
	Fire service Procurement of fire fighting equipments Strengthening / maintenance of WT communication system	No.	20	·	12.00	-do-
(b)	Fire service Procurement of fire fighting equipments Strengthening / maintenance of			5,00,000 1,50,000		-do-

(d)	Awareness camps	No.	20	60,000	12.00	-do-
(e)	Publicity in print media	No.	90	5,000	4.50	-do-
(f)	Pubmicity in electronic media	No.	40	20,000	8.00	-do-
(g)	Incentivizing village / communities for protection against forest fire under the participatory forest management approach.	No.	10	1,00,000	10.00	-do-
	Sub-Total (a - g)				60.00	
6	Soil & Moisture Conservation in forests		350	54,770	191.70	AS per Rule 5(2) (g)
7	Broom Grass Plantation		400	27,411	109.64	-do-
8	Voluntary relocation of forest				0.00	
9	Improvement of wildlife habitat and management of man and animal conflicts				145.00	AS per Rule 5(2) (i)
	Sub Total (6 - 9)				446.34	
10	Establishment, operation & maintenance of animal rescue centre and veterinary treatment facilities for wild animal					AS per Rule 5(2) (k)
(a)	Maintenance of Animal rescue Centre at HZP		LS		10.00	-do-
(b)	Veterinary treatment of wild animals		LS		10.00	-do-
	Sub-Total (a - c)				20.00	
11	Supply of wood saving appliance in forest fringe villages					AS per Rule 5(2) (I)
(a)	Procurement of LPG connection with double barrel cylinder		100	8,000	8.00	-do-
(b)	Procurement and distribution of Unnat-Chullah with assoceries		194	4,000	7.76	-do-
	Sub-Total (a - b)				15.76	
12	Management of Biological					AS per Rule 5(2)
12	diversity land biological resource					(m)
(a)	Development of biodiversity park and open butterfly garden along with other allied activities and research note at Kitchudumra, South Sikkim (Phase I)				400.00	-do-
(b)	Management and improvement of JN Botanical Garden, Rumtek				60.00	-do-
(c)	Management and improvement of Biodiversity Loop Garden at Kabi, North Sikkim				65.00	-do-
(d)	Management & improvement of biological resources of Khangchendzonga National Park (KNP) World Heritage Site				20.00	-do-
	Sub - Total (a - d)				545.00	
	GRAND TOTAL				2,478.68	

(Rupees twenty four crores seventy eight lakhs and sixty eight thousand) only

4 (ii) PROPOSED ACTIVITIES UNDER NET PRESENT VALUE (20%) IN THE APO 2020-21

Object Head	Name of Activities	AMOUNT (In lakh)	REMARKS
1	Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials.	50.00	As per Rule 5 (3) (a)
2	Promoting, conservation, sustainable use and documentation of biological diversity under Sikkim Biodiversity Board.	0.00	As per Rule 5 (3) (b)
3	Survey & demarcation of forest areas:-		As per Rule 5 (3) (g)
(i)	Survey of khasmal and protected forests for development of graphical database on protected forests Phase 1	40.00	-do-
(ii)	Aerial survey of encroachment prone forest fringe areas Phase 1	20.00	-do-
(iii)	Digitization and rectification of forest boundaries	20.00	-do-
(iv)	Procurement of DGPS and accessories for survey and demarcation	30.00	-do-
4	Purchase and maintenance of equipment or devices used for communication and information technology, survey, mapping	9.00	As per Rule 5 (3) (c)
5	Construction, up-gradation and maintenance of inspection paths, forest roads in forest area, watch towers, check posts, timber depots	146.20	As per Rule 5 (3) (d)
6	Construction/upgradation of residential quarters/barrack of Head Forest Guard/Forest Guard and official building in forests for frontline staffs up the rank of Range officers	125.00	As per Rule 5 (3) (e)
7	Casual engagement of local people or labours to assist regular staff of forest department for protection of forest and wildlife	90.00	As per Rule 5 (3) (f)
8	Independent concurrent monitoring and evaluation and third party monitoring of works undertaken from State Fund of various works undertaken from state fund.	70.00	As per Rule 5 (3) (h)
	Total	600.20	

05. CAF INTEREST

It was further explained that most of the compensatory levies had been collected as per the comprehensive schemes worked out on the basis of old labour wage rate. This has led to the cost escalation for so many on-going works.

In terms of rule 6 of CAF Rules 2018, interest accrual on the State-Fund shall be utilized in order to offset the incremental cost of each schemes in the ratio of 60% for the purpose of conservation and development of forests & wildlife and 40% for recurring and non-recurring expenditures of the State Authority. Accordingly, the incremental cost as well as other permitted activities were recommended by Executive Committee, State-CAMPA for implementation during the current financial year 2020-21 as under:-

05.1 60% CAF INTEREST - Conservation and Development of Forests & Wildlife

Object Head	Name of Activities		Amount (In lakh)
1	Compensatory afforestation	(Cost escalation)	83.61
2	Catchment Area Treatment Plan for Hydro Electric Project	(Cost escalation)	461.19
3	Integrated Wildlife Management Plan	(Cost escalation)	8.08
4	Others (Biodiversity Conservation & Management Plan)	(Cost escalation)	9.84
5	Salaries and Allowances of Members and Staffs (list enclo	sed)	30.70
6	Sitting fees and allowances to nominated Members(NOM) of State Authority		3.00
7	Activities referred to in sub-rules (2) and (3) of rule 5		5.00
	TOTAL		601.42

(Rupees six crores one lakh and forty two thousand) only

05.2 PROPOSED ACTIVITIES UNDER CAF INTEREST FUND (40%) IN THE APO 2020-21

Object Head	Name of Activities	Amount (In lakhs)	Remarks
1	Management of office establishment:-		
(a)	Maintenance/strengthening of office of the State Authority	40.00	As per Rule 6 (b) (i)
(b)	Construction of parking facility infront of office of the State Authority	40.00	(0) (1)
2	Office equipment including computers and peripherals and its annual maintenance for State Authority	10.00	As per Rule 6 (b) (ii)
3	Hiring of staff cars for the use or the officers and officials of the State Authority	2.00	As per Rule 6 (b) (iii)
4	Hiring of building on lease for office establishment and residence of officers of State-Authority.	1.00	As per Rule 6 (b) (iv)
5	Other contingencies for management of the State Authority, with the approval of the State Authority	10.00	As per Rule 6 (b) (v)
6	POL/HSD and maintenance of vehicles & machineries of state authority offices	50.00	As per Rule 6 (b) (i)
7	Other activities for management of forest and wildlife including upgradation/improvement etc.		As per Rule 6 (b) (vi)
(a)	Wildlife habitat management of Shingba Rhododendron Sanctuary	38.35	-do-
(b)	Management and improvement Sidkeong Tulku Bird park at Rabdentse, West Sikkim	120.00	-do-
(c)	Management and consolidation of income generating activities to improve contribution towards the local trust fund under Fambonglho Widlife Sanctuary, East Sikkim	40.00	-do-
(d)	Management and upgradation of Epicac Garden, Saramsa, Ranipool	49.64	-do-
	Total	400.99	

(Rupees four crores and ninety nine thousand) only

06. OTHERs

It was further explained that Biodiversity Conservation and Protection Plan are the part of the Environment Management Plan stipulated under the Forest Clearance/Environmental Clearance while according the approval for construction of hydro electric projects at various places and construction /widening/improvement of roads (Gangtok-Nathula Road) by BRO. All these schemes/ Plans have been brought under the category Detail Head 06 "Other" in accordance with the Accounting Procedures stated herein above. The proposed activities are site specific and already approved in Biodiversity Conservation and Protection Plan. The details are as under:

Object Head	Name of Activities under implementation	Phy Target	Proposed Allocation (In lakhs)
1	Biodiversity Cons & Mgmt Plan for 1200 MW Teesta HEP stage-III in North District, by KNP Division	As per approved work program	24.81
2	Biodiversity Mgmt Plan for construction of 96 MW Chujachen HEP in East District , by WL (East) Division	As per approved work program	20.00
3	Biodiversity Cons & Mgmt Plan for 99 MW Jorethang Loop HEP in South/West District, by WL Division (S/W)	As per approved work program	18.75
4	Wildlife Cons Plan at Kyongnosla WL Sanctuary against diversion of forest land for widening/improvement of JN road to double lane road in East District, By WL (East) Division	As per approved work program	149.07

5	Wet Land cons scheme against diversion of forest land for widening/impvt of JN road to double lane road in East District, by East (T) Division	As per approved work program	22.56
6	Diversion of 4.3492 Ha. of F/L for const. of 97 MW Tashiding HEP in West Sikkim by M/S Shiga Energy Ltd. (Revised)	As per approved work program	57.59
7	Diversion of forest land for construction of Rangit-II HEP in West Sikkim	As per approved work program	76.68
	Sub Total		388.51

(Rupees three crores eighty eight lakhs and fifty one thousand) only.

Sl. no.	Activities	Total Amount (In lakhs)
1	Compensatory Afforestation (CA) schemes	543.14
2	Catchment Area Treatment (CAT) Plan	712.32
2	Integrated Wildlife Management Plan	673.35
3	Net Present Value (A)	2,478.68
	Net Present Value (B)	600.20
4	CAF Interest (A)	602.84
	CAF Interest (B)	400.99
5	Others (Biodiversity Conservation Plan)	388.51
	GRAND TOTAL	6,400.02

(Rupees sixty four crores and two thousand) only

CCF-cum-Nodal-Officer (FCA &CAMPA)/ Chief Executive Officer Member Secretary of State-Authority

01. COMPENSATORY AFFORESTATION (CA)

Object	Approve	ed FC cases		Proposed A	Allocation
Head	Number	FL diverted (In Ha)	Name of Activity	Phy Target (in Ha)	Fin Target (in lakh)
112 – 307	195	1316.22	Yearly Maintenance of CA	1638.90	190.54
308-314	9	192.28	Creation of New CA (during the Yr.2020-21)	106.43	315.76
TOTAL	204	1508.50		1745.33	506.30

02. CATCHMENT AREA TREATMENT (CAT) PLAN

CAT Plan is one of the activities of Environment Management Plan (EMP) approved by the Govt of India, with the prior recommendation of the State Govt, while conveying the environment clearance under the provisions of Environment Impact Assessment Notification, 2006 for construction of hydro electric power project by Power developers. Technically, the EMP are based upon the Impact Assessment Report of the catchment areas prepared by the Environment Experts and submitted by the Power developer in terms of reference (ToR) as sought by the Govt of India under the said Act/Rules. These are all conservation parameters being imposed to ensure the environmental safeguard of the catchment area of the respective power projects..

It was further explained that 11 CAT Plan are being implemented with the fund released by the Ad Hoc CAMPA as per the previous Guidelines which was not adequate to achieve the targets as stipulated under the environment clearance. In terms of recent CAF Act/Rules, the APOs have been prepared as per the SoR-2018 (Forestry activities) duly incorporating the balance targets to be achieved objectively, as under:-

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3	132 MW Teesta Low Dam Project Hydro Electric Project in East/South District by NHPC	As per detailed Program.	49.82
4	120 MW Rangit Hydro Electric Project stage-IV in West/South District by Jal Power Corporation Ltd	As per detailed Program.	36.00
5	500 MW Teesta Hydroelectric Project stage-VI in South/East District by LANCO Energy Pvt Ltd	As per detailed Program.	110.84
6	1200 MW Teesta Hydroelectric Project stage - III in North District by Teesta Urja Pvt Ltd	As per detailed Program.	81.77
7	96 MW Dikchu Hydroelectric Project in North/East District by Sneha Kinetic Pvt Ltd	As per detailed Program.	122.14
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9	66 MW Rangit Hydroelectric Project stage -II in West District by Sikkim Power Venture Pvt Ltd	As per detailed Program.	85.65
10	300 MW Panan Hydroelectric Project in North Sikkim by Himgiri Private Ltd	As per detailed Program.	56.89
11	51 MW Bhasmey HEP in East District by Gati Infrastructure Pvt Ltd	As per detailed Program.	29.58
	Total		708.34

(Rupees seven crores eight lakhs and thirty four thousand) only

03. INTEGRATED WILDLIFE MANAGEMENT PLAN (PA)

It was further explained that Wildlife Conservation & Management Plan are the mandatory conditions stipulated by the Govt of India in compliance of orders of the Hon'ble Supreme Court in the cases where the forest land had been diverted from the Wildlife Sanctuary areas (PA) for non-forestry purposes of User agency as under.

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Object Head	Name of activities under implementation	Physical Target	Financial Target (In lakhs)
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2	Diversion of 0.164 Ha of forest land from Bhalukhop / Fambonglho WL Sanctuary for water supply scheme to Ranka and surrounding areas by RMDD	As per approved work program	0.18
3	Diversion of 18.16 Ha of forest land from Pangolakha WL Sanctuary for construction of road from tri junction to Bheem base Dokala by BRO	As per approved work program	34.87
4	Diversion of 52.70 ha of reserve forest land for the construction/improvement of Flaghill - Madhubala - Dokala Road in Latuii RF within the Pangolakha Wildlife Sanctuary in East Sikkim by 130 RCC (BRO)	As per approved work program	250.01
4	WL Cons & Protection Plan in Maenam Wildlife Sanctuary (PA) stipulated for the diversion of 2.10 Ha of forest land for Dhapper Skywalk/ Ropeway in South District	As per approved work program	130.00
6	Diversion of 25.82 ha of forest land for construction road from Sopakha Village to Chewabhanjyang passing through Barsey Rhododendron Sanctuary in West Sikkim by Road & Bridges Department	As per approved work program	254.40
	TOTAL		673.35

(Rupees six crores seventy three lakhs and thirty five thousand) only.

04. NET PRESENT VALUE (NPV) SCHEME

It was further deliberated that NPV of forest land have been recovered, together with the CA cost, from the User Agencies against the diversion of forest land under FC Act 1980 for various project purposes of User agencies. In terms of sub-rule (2) and (3) of rule 5 of CAF Rules 2018, the NPV are required to be utilized for undertaking the permissible activities in the ratio of 80% and 20% respectively in a year. The Committee members discussed thoroughly on the activities included in the proposed APO under NPV as under:-

04. PROPOSED ACTIVITIES UNDER NET PRESENT VALUE (80%) IN THE APO 2020-21

		P	ROPOSE	D ALLOCATI	ON	
Object Head	Name of activities	Altitude	Phy Target	Rate	Fin. Target (in Rs.)	Remarks
1						
(a)	Maintenance ANR (1st year)	НА	110	9,711	10.68	As per Rule No.5(2) (a)
, ,	,	LA	245	6,505	15.94	-do-
	Sub-Total				26.62	
2	Artificial Regeneration					As per Rule 5(2) (b)
(a)	(Maintenance of nursery for production of seedlings for Artificial Regeneration)		6		36.41	-do-
(b)	(i) Arial plantation/seed broadcasting of mixed plant species using drones	LA	5	15,000	0.75	As per direction of Steering Committee

	(ii) Procurement of drone	LA	1	10,00,000	10.00	-do-
(c)	Fodder Plantation	LA	200	22,195	44.39	-do-
(d)	Silvipasture Development	LA	150	25,757	38.64	-do-
(e)	Avenue Plantation	LA	30	64,195	19.26	-do-
Ì	Sub-Total (a - d)				149.44	
3	Silviculture Operation in forests,					AS per Rule 5(2) (c.)
(a)	Identification, selection & marking of mother trees.		1 job		10.00	-do-
(b)	Preparation of standards of operation (SOP)		1job		4.40	-do-
(c)	Silviculture thining of cryptomeria (Dhupi)		40	1,31,250	52.50	-do-
(d)	Growing stock and tree enumeration in reserve forest (LS)				50.55	-do-
(e)	Growing stock estimation in existing resource plots.				41.74	-do-
(f)	Lahnkuri patch plantation (<i>Fraxinus Sikkimensis</i>) A tree with medicinal value		2	50,000	1.00	-do-
(g)	Malagiri patch plantation		3	50,000	1.50	-do-
(h)	Thining of teak plantation (<i>Tectona grandis</i>)		30	1,31,250	39.38	-do-
	Sub-Total (a - h)				201.07	
4	Protection of plantations and forests					AS per Rule 5(2) (d)
(a)	Construction of dry stone fencing	HA LA	10 25	11,21,655 9,54,600	112.17 238.65	-do- -do-
(b)	Construction of water tank for protection of plantations		20	3,00,000	60.00	-do-
(c)	Eco-restoration of the catchment area		140	54,771	76.68	-do-
(d)	Construction of catch water drain in different locations		2000	4,749	94.98	-do-
(e)	Construction of CCM Wall in land slide areas		2280	5,604	127.77	-do-
(f)	Construction of Sausage Wall/Crate Wll in land slide areas		2200	3,635	79.97	-do-
(g)	Construction of DRSM Wall in land slide areas		1500	2,308	34.62	-do-
(h)	Protection by raising agave plantation along the forest boundary line		45		15.60	-do-
(i)	Barbed wire with wooden post fencing along forest boundary line at vulnerable areas		10	3,81,000	38.10	-do-
(j)	Construction of partolling path for protection of plantation and forest	LA	35	4,00,000	140.00	-do-
	Sub-Total (a - j)				1,018.54	10 5
5	Forest fire prevention and control operations					AS per Rule 5(2) (f)
(a)	Mobilization of Sikkim (Police) Fire service	Job	1		2.50	-do-
(b)	Procurement of fire fighting equipments	No.	20	60,000	12.00	-do-
(c)	Strengthening / maintenance of WT communication system					-do-
	(i) Circle level	No.	1	5,00,000	5.00	-do-
	(ii) Division level	No.	4	1,50,000	6.00	-do-
(d)	Awareness camps	No.	20	60,000	12.00	-do-
(e)	Publicity in print media	No.	90	5,000	4.50	-do-
(f)	Pubmicity in electronic media	No.	40	20,000	8.00	-do-
(g)	Incentivizing village / communities for protection against forest fire under the	No.	10	1,00,000	10.00	-do-

	participatory forest management approach.				
	Sub-Total (a - g)			60.00	
6	Soil & Moisture Conservation in forests	350	54,770	191.70	AS per Rule 5(2) (g)
7	Broom Grass Plantation	400	27,411	109.64	-do-
8	Voluntary relocation of forest			0.00	
9	Improvement of wildlife habitat and management of man and animal conflicts			145.00	AS per Rule 5(2) (i)
	Sub Total (6 - 9)			446.34	
10	Establishment, operation & maintenance of animal rescue centre and veterinary treatment facilities for wild animal				AS per Rule 5(2) (k)
(a)	Maintenance of Animal rescue Centre at HZP	LS		10.00	-do-
(b)	Veterinary treatment of wild animals	LS		10.00	-do-
	Sub-Total (a - b)			20.00	
11	Supply of wood saving appliance in forest fringe villages				AS per Rule 5(2) (I)
(a)	Procurement of LPG connection with double barrel cylinder	100	8,000	8.00	-do-
(b)	Procurement and distribution of Unnat- Chullah with assoceries	194	4,000	7.76	-do-
	Sub-Total (a - b)			15.76	
12	Management of Biological diversity land biological resource				AS per Rule 5(2) (m)
(a)	Development of biodiversity park and oper butterfly garden along with other allied activities and research note at Kitchudumra, South Sikkim (Phase I)	LS		400.00	-do-
(b)	Management and improvement of JN Botanical Garden, Rumtek	LS		60.00	-do-
(c)	Management and improvement of Biodiversity Loop Garden at Kabi, North Sikkim	LS		65.00	-do-
(d)	Management & improvement of biological resources of Khangchendzonga National Park (KNP) World Heritage Site	LS		20.00	-do-
(e)	Management of Biological diversity land biological resource in identified areas in and around Gangtok, East Sikkim	LS		6.63	-do-
	Sub - Total (a - e)			551.63	
	GRAND TOTAL			2,489.39	

(Rupees twenty four crores seventy eight lakhs and sixty four thousand) only

4 (ii) PROPOSED ACTIVITIES UNDER NET PRESENT VALUE (20%) IN THE APO 2020-21

Object Head	Name of Activities	AMOUNT (In lakh)	REMARKS
1	Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials.	50.00	As per Rule 5 (3) (a)
2	Promoting, conservation, sustainable use and documentation of biological diversity under Sikkim Biodiversity Board.	0.00	As per Rule 5 (3) (b)
3	Survey & demarcation of forest areas:-		As per Rule 5 (3) (g)
(i)	Survey of khasmal and protected forests for development of graphical database on protected forests Phase 1	40.00	-do-
(ii)	Aerial survery of encroachment prone forest fringe areas Phase 1	20.00	-do-
(iii)	Digitization and rectification of forest boundaries	20.00	-do-
(iv)	Procurement of DGPS and accessories for survey and demarcation	30.00	-do-
4	Purchase and maintenance of equipment or devices used for communication and information technology, survey, mapping	9.00	As per Rule 5 (3) (c)
5	Construction, up-gradation and maintenance of inspection paths, forest roads in forest area, watch towers, check posts, timber depots	158.35	As per Rule 5 (3) (d)
6	Construction/upgradation of residential quarters/barrack of Head Forest Guard/Forest Guard and official building in forests for frontline staffs up the rank of Range officers	125.00	As per Rule 5 (3) (e)
7	Casual engagement of local people or labours to assist regular staff of forest department for protection of forest and wildlife	90.00	As per Rule 5 (3) (f)
8	Independent concurrent monitoring and evaluation and third party monitoring of works undertaken from State Fund of various works undertaken from state fund.	60.00	As per Rule 5 (3) (h)
9	Forest certification and development of certification standards	20.00	As per Rule 5 (3) (k)
	TOTAL	622.35	

(Rupees six crores twenty two lakhs and thirty five thousand) only

05. CAF INTEREST

It was further explained that most of the compensatory levies had been collected as per the comprehensive schemes worked out on the basis of old labour wage rate. This has led to the cost escalation for so many on-going works.

In terms of rule 6 of CAF Rules 2018, interest accrual on the State-Fund shall be utilized in order to offset the incremental cost of each schemes in the ratio of 60% for the purpose of conservation and development of forests & wildlife and 40% for recurring and non-recurring expenditures of the State Authority. Accordingly, the incremental cost as well as other permitted activities were recommended by Executive Committee, State-CAMPA for implementation during the current financial year 2020-21 as under:-

05.1 60% CAF INTEREST - Conservation and Development of Forests & Wildlife

Object Head	Name of Activities		Amount (In lakh)	Remarks
1	Compensatory afforestation	(Cost escalation)	73.11	As per Rule 6 (a) (i)
2	Catchment Area Treatment Plan for Hydro Electric Project	(Cost escalation)	446.01	As per Rule 6 (a) (ii)
3	Integrated Wildlife Management Plan	(Cost escalation)	9.52	As per Rule 6 (a) (iii)
4	Others (Biodiversity Conservation & Management Plan)	(Cost escalation)	9.60	As per Rule 6 (a) (iii)
5	Salaries and Allowances of Members and Staffs (lis	et enclosed)	29.72	As per Rule 6 (a) (iv)
6	Sitting fees and allowances to nominated Members(Authority	NOM) of State	0.00	As per Rule 6 (a) (v)
7	Activities referred to in sub-rules (2) and (3) of rule 5	5		
(a)	Management and improvement Sidkeong Tulku Bird Rabdentse, West Sikkim	l park at	300.00	As per Rule 6 (a) (vi)
	TOTAL		867.96	

(Eight crores sixty seven lakhs and ninety six thousand) only

05.2 PROPOSED ACTIVITIES UNDER CAF INTEREST FUND (40%) IN THE APO 2020-21

Object Head	Name of Activities	Amount (In lakhs)	Remarks
1	Management of office establishment:-		As per Rule 6
(a)	Maintenance/strengthening of office of the State Authority	25.00	(b) (i)
(b)	Construction of parking facility in front of office of the State Authority	40.00	(6) (1)
2	Office equipment including computers and peripherals and its annual maintenance for State Authority	0.00	As per Rule 6 (b) (ii)
3	Hiring of staff cars for the use or the officers and officials of the State Authority	0.00	As per Rule 6 (b) (iii)
4	Hiring of building on lease for office establishment and residence of officers of State-Authority.	0.00	As per Rule 6 (b) (iv)
5	Other contingencies for management of the State Authority, with the approval of the State Authority	0.00	As per Rule 6 (b) (v)
6	POL/HSD and maintenance of vehicles & machineries of state authority offices	40.00	As per Rule 6 (b) (i)
7	Other activities for management of forest and wildlife including upgradation/improvement etc.		As per Rule 6 (b) (vi)
(a)	Wildlife habitat management of Shingba Rhododendron Sanctuary	38.35	-do-
(b)	Management and consolidation of income generating activities to improve contribution towards the local trust fund under Fambonglho Widlife Sanctuary, East Sikkim	40.00	-do-
(c)	Management and upgradation of Epicac Garden, Saramsa, Ranipool	49.64	-do-
(d)	Protection of forest and forest property from scouring Rongni Chu River at Chuba, 32 no.	145.65	-do-
(e)	Protection of forest and forest property from scouring by Kanakha River, Dzongu, North Sikkim (Phase II)	200.00	
	Total	578.64	

(Rupees five crores seventy eight lakhs and sixty four thousand) only

06. OTHERs

It was further explained that Biodiversity Conservation and Protection Plan are the part of the Environment Management Plan stipulated under the Forest Clearance/Environmental Clearance while according the approval for construction of hydro electric projects at various places and construction /widening/improvement of roads (Gangtok-Nathula Road) by BRO. All these schemes/ Plans have been brought under the category Detail Head 06 "Other" in accordance with the Accounting Procedures stated herein above. The proposed activities are site specific and already approved in Biodiversity Conservation and Protection Plan. The details are as under:

Object	Name of FCA Project	Name of	Name of a drawn		OSED ALLOCATE THE YEAR 12020	
Head	proposal	Division	Name of scheme	Original Cost	Incremental Cost	TOTAL
1	Diversion of 83.04405 ha of forest land for construction of 1200 MW Teesta HEP in North Sikkim by Teesta Urja Ltd	NORTH (WL)	(1) Biodiversity Conservation Plan	24.81	0.00	24.81
2	Diversion of forest land for construction of Chujachen HEP in East Sikkim by M/s Gati Infrastructure	WL EAST	Biodiversity Conservation & Mgmt Plan	20.00	0.00	20.00
3	Diversion of forest land for construction of Jorethang Loop HEP in South/West Districts of Sikkim by M/s Dans Energy Pvt Ltd	WL SOUTH/W EST	(a) Biodiversity Conservation Plan	18.75	0.31	19.06
4	Diversion of 26.448 Ha. of forest land for widening / improvement of J N Road to NHDL	WL EAST	(1) Wildlife Conservation Plan	96.34	0.00	96.34
5	specification from Km 24 to 51.385 km in East District by BRO	EAST (T)	(2) Wet land conservation Plan	52.73	0.00	52.73
6	Diversion of 49.486 Ha. Of forest land for construction / improvement of Gangtok - Nathula road from Km 6.80 to Km 24.360 from single land to national double land in East Sikkim by BRO	East (T)	Medicinal Plantation	22.56	0.00	22.56
7	Diversion of forest land for construction of Rangit-II HEP in West Sikkim	West (WL)	(a) Biodiversity Conservation Plan	76.68	0.00	76.68
8	Diversion of 4.3492 Ha. of F/L for const. of 97 MW Tashiding HEP in West Sikkim by M/S Shiga Energy Ltd. (Revised)	West (WL)	(a) Biodiversity Conservation Plan	57.59	0.00	57.59
9	Diversion of 89.4266 ha of forest land for construction of 500 MW Teesta Stage VI HEP in East/South District of Sikkim	South (WL)	(a) Biodiversity Conservation Plan	19.05	9.29	28.34
	TOTAL			388.51	9.60	398.11

(Rupees three crores eighty eight lakhs and fifty one thousand) only.

SI. no.	Activities	Total Amount (In lakhs)
1	Compensatory Afforestation (CA) schemes	506.30
2	Catchment Area Treatment (CAT) Plan	708.34
2	Integrated Wildlife Management Plan	673.35
3	Net Present Value (A)	2489.39
	Net Present Value (B)	622.35
4	CAF Interest (A)	867.96
	CAF Interest (B)	578.64
5	Others (Biodiversity Conservation Plan)	388.51
	GRAND TOTAL	6834.84

(Rupees sixty eight crores thirty four lakhs and eighty four thousand) only

CCF-cum-Nodal-Officer (FCA &CAMPA)/ Chief Executive Officer Member Secretary of State-Authority

Annexure-III

REMAINING ACTIVITIES PROPOSED TO BE IMPLEMENTED DURING 2019-20

(Amount in lakhs)

Ohia	Name of Ashirking	(Amount in lakhs)
Object Head	Name of Activities	Proposed remaining activities to be implemented during 2019-20
01	Compensatory Afforestation	0
	Penal Compensatory Afforestation	0
	Sub-Total (A)	0
02	Catchment Area Treatment Plan	0
	Sub-Total (B)	0
03	Integrated WL Management Plan	0
	Sub-Total (C)	0
04	Net Present Value (80% only)	
(a)	Natural Assisted Regeneration	0
(b)	Artificial Renegration/Maint of Nrsy	0
(c)	Silviculture Operation in forests	0
(d)	Protection of forests and Plantation	0
(e)	Pest and disease control in forests	0
(f)	Forest fire prevention and control operation	81.65
	Soil & Moisture Conservation works	0
10.	Voluntary relocation of village from protected areas	0
	Improvement of Wildlife Habitat	215.00
	Planting and Rejuvenation of forest cover on non-forest land falling in WL corridor	0
	Establishment, operation and maintenance of animal rescure centre and Vet.treatment	0
(k) (a)	Dev. & Management of State Biodiversity park at Damthang	29.50
(1)	Supply of wood-saving cooking appliances and other forest prodcue saving devices	0
(i)	Construction/Upgradation	0
(ii)	Climate Change mitigation	0.00
	Awareness Programe	0
(m)	Management of Biological diversity resource/constitution of Biodiversity committee	290.95
	Sub total	617.10
	Net Present Value (20% only)	
(a)	Establishment, up-gradation and maintenance of modern nursery	0
(b)	Promoting Conseervation, susstainable use and documentation	0
	Survey & demarcation of forest areas	0
(c)	Purchase and mainteance of equipment	0
(d)	Construction, up-gradation and mainteance of inspection path, forest road in forest areas, check post	26.23
101	Construction of residential and offical buildings in forest for front line staffs deployed for protection of forest & WL	95.96
(f)	Causual engagement of local people or labourers to assist regular staff of State Forest Department for works for protection of forest WL	52.02
(g)	Survey & Mapping	0
(11)	Independent concurrent monitoring and evaluation of various schemes being implemented by State Authority	0
(1)	Publicity-cum-awareness programe and exhibition on the various schemes being implemented by State Authority	0
1 111	Production and distribution of quality planting materials through certified nurseries at subsidized price for promotion of trees out side forest on Govt land	0
	Sub-Total	174.21
05(a)	CAF INTEREST (60% ONLY)	

Object Head	Name of Activities	Proposed remaining activities to be implemented during 2019-20		
(i)	To offset the incremental cost of CA, PCA	0		
(ii)	To offset the incremental cost of CAT Plan	0		
(iii)	To offset the incremental cost of WL Plan	0		
	and Others	0		
(iv)	Disbursment of salary and allowances of Members and staff of State Authority	0		
(v)	Disbursment of Sitting fees and allowances to nominated Members of State Authority	0		
(vi)	Activities referred to sub-rules (2) and (3) of Rule 5	0		
	Sub-Total Sub-Total	0		
(b)	CAF INTEREST (40% ONLY)			
(i)	Management of office establishement	0.00		
(ii)	Office equipment including computers and peripherals and its mainteance for State Authority	0		
(iii)	Hiring of staff Cars for use of officers and officials of State Authority	0		
(iv)	Hiring of buildings on lease for the establishment and residence of officers of State Authority	0		
(v)	Other contingencies for management of the State Authority with the approval of Steering Committee of State Authority	0		
(vi)	Providing designing of Work Register in software system with LAN connectivity	0		
	POL/HSD and Maintenance of vehicles/machineries of State Authority	0		
(viii)	Any other activity for management of forests and wildlife not referred to in sub-rule (2) and (3) with the prior approval of Steering Committee	162.20		
(viii) (a)	Galvanized chain link & angle iron fencing along the road side from entry gate to exit gate of the zoo.	00.00		
(viii) (b)	Bamboo grove for sensitization & education facilities and creation of livelihood opportunities.			
	Bifurcation of Himalayan Black Bear display enclosure to ensure clear sighting of the animal by visitors as the existing enclosure is very large, construction of main gate at entry point as there is no gate till date.	90.00		
(viii) (d)	Minor repair works of watch tower & visitors toilet.			
	Sub-Total Sub-Total	252.20		
06	Other (As per approved scheme)	0		
	Sub-Total Sub-Total	0		
	GRAND TOTAL	1043.51		

(Rupees ten crores forty three lakhs and fifty one thousand) only.

CCF-cum-Nodal-Officer (FCA &CAMPA)/ Chief Executive Officer Member Secretary of State-Authority

Annexure-IV

Abstract of expenditure and balance during the financial year 2019-20

(Amount in Rs.)

SI. NO	OBJECT HEAD	PROVISION	EXPENDITURE	BALANCE
1	Compensatory Afforestation	11,33,87,000	9,58,85,996	1,75,01,004
2	Penal Compensatory Afforestation	10,17,590	7,28,172	2,89,418
3	Catchment Area Treatment Plan	10,84,23,000	9,51,29,932	1,32,93,068
4	Integrated Wildlife Management Plan	4,26,53,000	2,80,18,527	1,46,34,473
5	Net Present Value (NPV) 80%	8,28,75,000	7,52,89,735	75,85,265
6	Net Present Value (NPV) 20%	2,17,00,000	1,36,21,276	80,78,724
7	CAF Interest (60%)	37,76,000	29,75,776	8,00,224
8	CAF Interest (40%)	1,74,73,000	80,21,630	94,51,370
9	Others (Biodiversity Conservation Plan)	5,82,68,000	4,06,85,106	1,75,82,894
	TOTAL	44,95,72,590	36,03,56,150	8,92,16,440

1 Additional APO	8,92,16,440	3,42,97,000	5,49,19,440
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CCF-cum-Nodal-Officer (FCA &CAMPA)/ Chief Executive Officer

Member Secretary of State-Authority