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Government of Jammu & Kashmir
Office of the Pr. Chief Conservator of Forests & HoFF
Jammu & Kashmir Forest Department



The Chief Executive Officer,
National Authority,
Ministry of Environment Forest and Climate Change,
Government of India,
New Delhi-110003.

No.PCCF/CAMPA/2021-22/1213/1239

Dated 28.07.2021

Sub: (i) Annual Plan of Operation (APO) for the year 2021-22 of Jammu and Kashmir State CAMPA, (ii) Additional APO Jammu & Kashmir for the year 2021-22 and (iii) Supplementary APOs 2021-22 to clear liabilities under CAMPA of Financial Year 2019-20-reg.

Sir,

This is with reference to the National Authority's communication F.No.NA-15/14/2020-NA dated 23.07.2021 on the above subject. The APO of J&K CAMPA amounting to Rs 59.46 Crore has been deferred by the National Authority seeking further details of the proposed works.

2. Accordingly, details in respect of each deferred component of the work (as per the communication) are enclosed herewith for kind information and necessary action. It may be mentioned that detailed proposal along with locations (coordinate/KMZ file) and cost estimates have been prepared by each DFO/Implementing Agency (IAs) in respect of the proposed works in APO 2021-22. However, since APOs of DFOs/IAs are bulky, only summary of the proposals has been sent to the National Authority for consideration.

Yours faithfully,

(Sarvesh Rai) IFS
Addl. Pr. Chief Conservator of Forests/
Chief Executive Officer
J&K CAMPA

28/7

PHYSICAL/FINANCIAL TARGETS UNDER CAMPA FOR THE YEAR 2021-22
(IN ACCORDANCE WITH CAF RULES-2018) OF NH-1A PROJECT, BATOTE

NH-1A Batote
Safed
21/12/20

Area to be treated = 90 Ha

S. No.	item of works	Phy.	Fin. (in lakh)	%age	
(i) Activities covered under Rule 5(2) of CAF Rules-2018					
A. Artificial regeneration					
1	Fencing (in lakh Rft)	0.273	19.869	96.00%	
2	Plantation (in lakh)	0.595	21.217		
	(a) Poly Bagged Plantation = 68200 Nos. = Rs. 2356388/-				
	b) Agave Plantation = 90000 Nos. = Rs. 1390500/-	0.695	10.738		
3	Cutting (in lakh)	0.535	3.210		
4	Pasture Development	0.000	0.000		
	(i). Patches in lakh	0.095	0.664		
	(ii). Plants in lakh No. (grass slips)	0.339	2.831		
5	Seed balls (Nos)	0.400	1.540		
6	Beating up of casualties Planting (Plants in lakh No.)	0.177	6.277		
7	Plants Production (Plants in lakh No.)	1.210	14.138		
B. Silvicultural Operation in Forests					
1	Tending operation	0.000	0.000	4.00%	
2	Bush/Lantana clearance (in Ha)	0.000	0.000		
C. Protection of Plantations & Forests					
1	Management of Forest Boundaries	0.000	0.000		
2	Maintenance of old closures	0.000	0.000		
3	Restoration of forest boundaries by eviction of encroachment	0.000	0.000		
4	Enforcement of Forest Protection	0.000	0.000		
5	Contingency /Over Head expenses	0.000	5.500		
D. Forest Fire Prevention & Control operation					
E. Soil & Moisture Conservation works in Forests					
1	DRSM (in Cum)	1774	19.496		
2	Crates (in Nos.)	409	43.725		
3	Land Surface dressing (Cum)	350	1.115		
4	Supply of FYM (Nos)	45	2.250		
5	Check Dam (Nos)	7	5.400		
6	Sand Bags (Nos)	0.015	1.050		
7	Purchase of Surface soil erosion control materials	0.000	20.000		
F. Management of biological diversity and biological resource					
	Total of Rule 5(2) activities	0.000	182.710		
(ii) Activities covered under Rule 5(3) of CAF Rules-2018					
1	Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials	0.000	0.000	4.00%	
2	Casual engagement of local people or labours to assist regular staff for works for protection of Forests (old closures)	9	7.290		
3	Construction, upgradation & maintenance of inspection paths, Forests roads, fire-lines, watch towers, check posts (1 path)	0.00	0.000		
4	Construction of residential & official buildings in forests for front line staffs deployed for protection of forests	0.000	0.000		
5	Independent concurrent monitoring & evaluation & third party monitoring of various works under taken	0.000	0.000		
6	Survey & mapping of Forests areas and preparation of management plans	0.000	0.000		
7	Purchase and maintenance of equipments for communication and Information Technology for forests protection	0.000	0.000		
8	Publicity cum wareness programme & exhibitions	0.000	0.000		
	Total of Rule 5(3) activities	0.000	7.290		
	Total of Rule 5(2) and 5(3) activities	0.000	190.000	100%	

Final

Final
18/12/20

11.345
2.793

Encroachment
Fines
Shif. line = 2.134
F.W = 1.35

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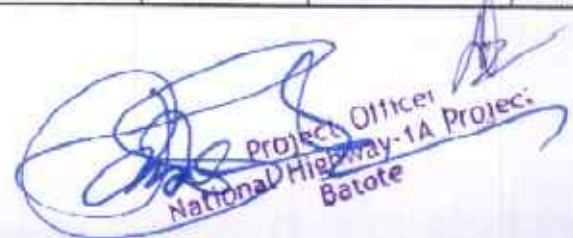
Component wise detail of works proposed under CAMPA for the year 2021-22 as per ceiling conveyed by Additional Pr. Chief Conservator of Forests/Chief Executive Officer J&K CAMPA vide letter No. PCCF/CAMPA/APO-2021-22/FN.1125/2732-97 Dt. 26/09/2019.

Area to be Tackled 90 Hact.

General Abstract

(I) Activities covered under Rule 5 (2) of CAF Rules-2018

A. Artificial regeneration						
S.No.	Component	Area (in Ha)	Quantity	Rate	Amount (in Rs)	Geo-Coordinates
1	Fencing:- Using Square fence post conforming to product code PCFP-3 at spacing of 10' & 4 strands of Galvanized Barbed wire conforming to the product code GA-BW at every 8th fence post along the straight line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. (The canopy cover of all the proposed sites as under are in the range of 0.1 - 0.4)					
i	Co. 70/Udh. Kheri Slip	20	6200	72.78/Rft	451236.00	N. 32°57'00 E. 75°02'18.86
ii	Co. 70/Udh. Morh	6	1800	72.78/Rft	131004.00	N. 32°59'31.53 E. 75°11'28.57
iii	Co. 22/Btt. Nashri Main Slip	17	5000	72.78/Rft	363900.00	N. 33°04'1.99 E. 75°18'9.57
ii	Co. 22/Btt. Lower Nashri	10	3000	72.78/Rft	218340.00	N. 33°03'8.13 E. 75°18'17.38
iii	Co. 23/Btt. Bye Pass Peerah	10	3000	72.78/Rft	218340.00	N. 33°10'7.22 E. 75°18'19.51
vi	Co. 40/Rbn. Bain Slip	13	4000	72.78/Rft	291120.00	N. 33°16'9.27 E. 75°10'56.29
vii	Co. 55/Rnl. Nachlana-II	14	4300	72.78/Rft	312954.00	N. 33°21'43.23 E. 75°10'40.72
	Total.	90	27300	-	1986894.00	-
2	Plantation. Planting of fast growing / soil binder species (subject to the availability in the SFRI) in pits of size (45x45x45) cm in staggered fashion along the contour at the spacing of (2.5m x 2.5m & 3m x 3m) only in open spaces suitable for plantation.					
(a) Poly Bagged Plantation						
i	Co. 70/Udh. Kheri Slip	20	12000	29.34/Plants.	352080.00	N. 33°10'7.22 E. 75°18'19.51
ii	Co. 70/Udh. Morh	6	4000	29.34/Plants.	117360.00	N. 33°04'1.99 E. 75°18'9.57
iii	Co. 22/Btt. Nashri Main Slip	17	10000	29.34/Plants.	293400.00	N. 33°04'1.99 E. 75°18'17.38
iv	Co. 22/Btt. Lower Nashri	10	7000	29.34/Plants.	205380.00	N. 33°03'8.13 E. 75°18'17.38
v	Co. 23/Btt. Bye Pass Peerah	10	7500	29.34/Plants.	220050.00	N. 33°09'22.73 E. 75°11'17.85
vi	Co. 40/Rbn. Bain Slip	13	8000	29.34/Plants.	234720.00	N. 33°16'9.24 E. 75°10'56.39
vii	Co. 55/Rnl. Nachlana-II	14	8000	29.34/Plants.	234720.00	N. 33°21'43.23 E. 75°10'40.72
viii	Co. 36/Rbn. Panthyal-I	0	2000	29.34/Plants.	58680.00	N. 33°19'27.48 E. 75°11'30.06
ix	Co. 40/Rbn. Monkey Morh	0	1000	29.34/Plants.	29340.00	N. 33°16'05.28 E. 75°10'18.91
x	Extra for Mech. Carriage including head load carriage of PB plants from SFRI to Nagar/Jammu as per load/distance.			-	376000.00	-
	Total.	90	59500	-	2121730.00	-
(b) Agave size (30cm x30cm 30cm) (collected locally and from own nurseries as well)						
i	Co. 70/Udh. Kheri Slip	20	10000	15.45/Plants.	154500.00	N. 33°10'7.22 E. 75°18'19.51
ii	Co. 70/Udh. Morh	6	3000	15.45/Plants.	46350.00	N. 33°04'1.99 E. 75°18'9.57
iii	Co. 22/Btt. Nashri Main Slip	17	8000	15.45/Plants.	123600.00	N. 33°03'8.13 E. 75°18'17.38
iv	Co. 22/Btt. Lower Nashri	10	5500	15.45/Plants.	84975.00	N. 33°03'8.13 E. 75°18'17.38
v	Co. 23/Btt. Bye Pass Peerah	10	8000	15.45/Plants.	123600.00	N. 33°09'22.73 E. 75°11'17.85
vi	Co. 40/Rbn. Bain Slip	13	7000	15.45/Plants.	108150.00	N. 33°16'9.24 E. 75°10'56.39
vii	Co. 55/Rnl. Nachlana-II	14	7000	15.45/Plants.	108150.00	N. 33°21'43.23 E. 75°10'40.72


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viii	Co.35/Rbn. Magerkote	3000	15.45/Plants.	46350.00	N. 33°19'35.89 E. 75°12'30.58
ix	Co. 36/Rbn. Panthyal-I	5000	15.45/Plants.	77250.00	N. 33°19'27.48 E. 75°11'56.66
x	Co. 36/Rbn. Panthyal-II	3000	15.45/Plants.	46350.00	N. 33°19'11.23 E. 75°11'50.07
xi	Co. 40/Rbn. Monkey Morh	5000	15.45/Plants.	77250.00	N. 33°16'05.58 E. 75°10'38.91
xii	Co. 40/Rbn. Tunnel-T2	2000	15.45/Plants.	30900.00	N. 32°57'5.27 E. 75°9'22.98
xiii	Co. 73/Udh. Banti Pull	3000	15.45/Plants.	46350.00	N. 33°14'49.22 E. 75°12'59.63
Total.		69500	-	1073775.00	-

3 Ipomea/Vitex/Popular/Salix/Mulberry cutting etc. (collected locally)

S.No.	Component	Quantity	Rate	Amount (in Rs)	Geo-Coordinate
i	Co. 70/Udh. Kheri Slip	10000	6/Plant	60000.00	N. 33°10'7.22 E. 75°18'10.51
ii	Co. 70/Udh. Morh	3000	6/Plant	18000.00	N. 33°8'41.99 E. 75°18'9.57
iii	Co. 22/Btt. Nashri Main Slip	9000	6/Plant	54000.00	N. 33°8'38.13 E. 75°18'17.38
iv	Co. 22/Btt. Lower Nashri	6000	6/Plant	36000.00	N. 32°57'6.00 E. 75°9'21.8
v	Co. 23/Btt. Bye Pass Peerah	7000	6/Plant	42000.00	N. 32°59'22.73 E. 75°11'17.85
vi	Co. 40/Rbn. Bain Slip	7500	6/Plant	45000.00	N. 33°16'8.24 E. 75°10'56.39
vii	Co. 40/Rbn. Monkey Morh	3000	6/Plant	18000.00	N. 33°16'05.58 E. 75°10'38.91
viii	Co. 40/Rbn. Tunnel-T2	2000	6/Plant	12000.00	N. 32°57'5.27 E. 75°9'22.98
ix	Co. 73/Udh. Banti Pull	2000	6/Plant	12000.00	N. 33°14'49.22 E. 75°12'59.63
x	Co. 22/Btt. Nashri Near Check Post	4000	6/Plant	24000.00	N. 33°07'55.85 E. 75°17'48.06
Total.		53500	0	321000.00	-

4 Grass slips (soil binder grass Viz: Vetivers, Napier, Saccharum munja & Arundo donax & other species subject to availability)

S.No.	Component	Quantity	Rate	Amount (in Rs)	Geo-Coordinates
i	Co. 70/Udh. Kheri Slip	4000	6.35/Slip.	25400.00	N. 33°10'7.22 E. 75°18'10.51
ii	Co. 70/Udh. Morh	2000	6.35/Slip.	12700.00	N. 33°8'41.99 E. 75°18'9.57
iii	Co. 22/Btt. Nashri Main Slip	5000	6.35/Slip.	31750.00	N. 33°8'38.13 E. 75°18'17.38
iv	Co. 22/Btt. Lower Nashri	2000	6.35/Slip.	12700.00	N. 32°57'6.00 E. 75°9'21.8
v	Co. 23/Btt. Bye Pass Peerah	5900	6.35/Slip.	37465.00	N. 32°59'22.73 E. 75°11'17.85
vi	Co. 40/Rbn. Bain Slip	5500	6.35/Slip.	34925.00	N. 33°16'8.24 E. 75°10'56.39
vii	Co. 40/Rbn. Monkey Morh	4000	6.35/Slip.	25400.00	N. 33°16'05.58 E. 75°10'38.91
viii	Co. 40/Rbn. Tunnel-T2	1500	6.35/Slip.	9525.00	N. 32°57'5.27 E. 75°9'22.98
ix	Co. 73/Udh. Banti Pull	2000	6.35/Slip.	12700.00	N. 33°14'49.22 E. 75°12'59.63
x	Co. 22/Btt. Nashri Near Check Post	2000	6.35/Slip.	12700.00	N. 33°07'55.85 E. 75°17'48.06
xi	Extra for extraction, collection, Purchase & MT, Carriage @ Rs.2/slip.		2/Slip	67800.00	-
Total.		33900	-	283065.00	-


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5 Patch Sowing (Deodar,Chir,Kail,Melia,Makhan,Santha,walnut, & Anardana etc area specific size 45 cm x 45cm x 15cm)						
i	Co. 70/Udh. Kheri Slip		1000	6.99/Patch.	6990.00	N. 32°57'6.00 E. 75°42'1.80
ii	Co. 70/Udh. Morh		2000	6.99/Patch.	13980.00	N. 32°59'31.53 E. 75°11'28.57
iii	Co. 22/Btt. Nashri Main Slip		2000	6.99/Patch.	13980.00	N. 33°8'41.99 E. 75°18'0.57
iv	Co. 22/Btt. Lower Nashri		1000	6.99/Patch.	6990.00	N. 33°8'38.13 E. 75°18'17.38
v	Co. 23/Btt. Bye Pass Peerah		1000	6.99/Patch.	6990.00	N. 33°10'7.22 E. 75°18'19.51
vi	Co. 40/Rbn. Bain Slip		1000	6.99/Patch.	6990.00	N. 33°16'9.27 E. 75°10'56.29
vii	Co. 55/Bnl. Nachlana-II		1500	6.99/Patch.	10485.00	N. 33°21'43.23 E. 75°10'40.72
Total.			9500	-	66405.00	-
6 Seed balls :-						
i	Preparation of seed balls including cost of seed (All operations complete)		40000	2.85/ball	114000.00	-
ii	Extra for Mech carriage / Head load/broad Casting/Dibbling where ever required		40000	1/ball	40000.00	-
Total.					154000.00	-
7 Beating up of casualties Planting (PB Soil binder species)						
i	Co. 73/Udh. Morh Camp	2018-19	16500	800	29.34/Plants.	24205.00 N. 33 59'06.26 E. 75 11'08.24
ii	Co. 73/Udh. Prem Mandir	2018-19	8000	400	29.34/Plants.	11736.00 N. 33 01'30.85 E. 75 15'05.84
iii.	Co. 55/Bnl. Nachlana	2018-19	12000	600	29.34/Plants.	17604.00 N. 33 21'25.09 E. 75 10'18.23
iv	Co. 55/Bnl. Monia	2018-19	16000	800	29.34/Plants.	23470.00 N. 33 21'44.32 E. 75 11'02.29
v	Co. 22/Btt. Nashri Tunnel	2019-20	3000	400	29.34/Plants.	13200.00 N. 33 07'46.34 E. 75 17'24.10
vi	Co. 22/Btt. Nashri Forest CP	2019-20	3990	600	29.34/Plants.	17604.00 N. 33 07'43.00 E. 75 17'48.06
vii	Co. 47/Bnl. Shantan Nallah	2019-20	5000	700	29.34/Plants.	20538.00 N. 33 30'17.49 E. 75 11'15.99
viii	Co. 55/Bnl. Wagan	2019-20	3000	400	29.34/Plants.	11736.00 N. 33 22'06.01 E. 75 11'32.82
ix	Co. 70/Udh. Thald-II	2020-21	6000	1500	29.34/Plants.	44010.00 N. 32 57'30.17 E. 75 08'51.81
x	Co. 22/Btt. Opposite Nashri Tunnel-II	2020-21	9000	2000	29.34/Plants.	58680.00 N. 33 07'42.74 E. 75 17'28.74
xi	Co. 13/Btt. Dharmound	2020-21	5000	1000	29.34/Plants.	29340.00 N. 33 09'13.61 E. 75 14'56.53
xii	Co. 47/Rbn. Kundi	2020-21	10000	2500	29.34/Plants.	73350.00 N. 33 12'41.40 E. 75 16'47.52
xiii	Co. 40/Rbn. Dakhi	2020-21	11000	2000	29.34/Plants.	58680.00 N. 33 16'16.74 E. 75 11'08.11
xiv	Co. 47/Bnl. Hingni	2020-21	12000	2000	29.34/Plants.	58680.00 N. 33 21'07.61 E. 75 10'44.96
xv	Co. 55/Bnl. Wagan-II	2020-21	9500	2000	29.34/Plants.	58680.00 N. 33 22'01.61 E. 75 11'32.57
xvi	Extra for Mech carriage of Poly bagged Plants from SFRI & Own nurseries/ Head load Carriage of poly bagged plants.				106200.00	-
Total.			17700		627713.00	-
8 Plants Production (Nursery)						
i. Raising of plants during the year 2020-21						
S. No.	Name of Nry.	unit	Phy.	Rate	Amount	Remarks.
a.	Sanroli Nursery	NR	30000	7.44-plant	223200.00	-
		PB	30000	8.03-plant	240900.00	-
		Grass Slip	500	6.35-putch	3175.00	-
b.	Nashri Nursery	NR	30000	7.44-plant	223200.00	-
		PB	30000	8.03-plant	240900.00	-
		Grass Slip	500	6.35-putch	3175.00	-
S. Total			121000		934550.00	-


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ii. Maintenance of plants during the year 2019-20						
S. No.	Name of Nry.	unit	Phy.	Rate	Amount	Remarks.
a.	Samroli Nursery	PB	63000	2.66/plant	172900.00	-
b.	Nashri Nursery	PB	40000	2.66/plant	106400.00	-
S.Total.			105000		279300.00	-
iii.	Purchase of Root trainer, RT Stands, Shade Net & its installation and Construction of compost pits etc.		L/s	L/s	200000.00	-
Total. 7 (i+ii+iii)					1413850.00	-
C Protection of Plantation & Forest						
I Contingency						
Total.				L/s	550000.00	
Total.					550000.00	
D Forest Fire Prevention & Control operation						
S. No.	item of work	Quantity	Rate/-	Amount	Remarks	
1	Engagement of fire watchers in fire prone areas during fire season (5 persons for 4 months =20 months)	20	6750/ month	135000.000	-	
2	Creation of Permanent Fire lines 10 mtr width.					
i.	Co. 73/Udh. Prem Mandir	1	29250	29250.00	-	
ii	Co. 89/Dudu. Chela	1	29250	29250.00	-	
iii	Co. 22/Btt. Champal Kund	1	29250	29250.00	-	
iv	Co. 28/Btt. Peerah-II	1	29250	29250.00	-	
v	Co. 38/Rbn. Badwan	1	29250	29250.00	-	
vi	Co. 47/Rbn. Kundi	1	29250	29250.00	-	
vii	Co. 55/Bnl. Nachlana.	1	29250	29250.00	-	
viii	Co. 55/Bnl. Wagan-II	1	29250	29250.00	-	
S. Total.		8		234000.00	-	
Total.				369000.000	-	
E Soil & Moisture Conservation works in Forest						
I DRSM work						
i	Co. 23/Btt. Bye Pass Peerah	195	1099/Cum	214305.00	N. 33°10'7.22 E. 75°18'19.51	
ii	Co. 22/Btt. Nashri Main Slip	210	1099/Cum	230790.00	N. 33° 8'41.99 E. 75°18'9.57	
iii	Co. 22/Btt. Lower Nashri	90	1099/Cum	98910.00	N. 33° 8'78.13 E. 75° 18'17.38	
iv	Co. 70/Udh. Kheri Slip	200	1099/Cum	219800.00	N. 32°57'6.00 E. 75° 9'21.0	
v	Co. 70/Udh. Morh	90	1099/Cum	98910.00	N. 32°59'22.73 E. 75°11'17.85	
vi	Co. 40/Rbn. Bain Slip	215	1099/Cum	236285.00	N. 33°16'8.24 E. 75°10'56.39	
vii	Co. 55/Bnl. Nachlana-II	170	1099/Cum	186830.00	N. 33°21'43.23 E. 75°18'40.72	
viii	Co.35/Rbn. Magerkote	130	1099/Cum	142870.00	N. 33°19'35.89 E. 75°12'20.59	
ix	Co. 36/Rbn. Panthyal-I	86	1099/Cum	94514.00	N. 33°19'27.48 E. 75°11'56.06	
x	Co. 36/Rbn. Panthyal-II	160	1099/Cum	175840.00	N. 33°19'11.23 E. 75°11'50.07	
xi	Co. 40/Rbn. Monkey Morh	88	1099/Cum	96712.00	N. 33°16'05.58 E. 75°10'38.91	
xii	Co. 40/Rbn. Tunnel-12	90	1099/Cum	98910.00	N. 32°57'5.27 E. 75° 9'22.99	
xiii	Co. 73/Udh. Banti Pull	50	1099/Cum	54950.00	N. 33°14'49.22° E. 75°12'54.63	
Total.		1774	-	1949626.00	-	

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2	Land Surface dressing including levelling, filling of gullies and removal of boulders etc.					
i	Co. 22/Btt. Nashri Main Slip	200	318.59/Cum	63718.00	N. 33° 8'41.99 E. 75° 18'9.57	
ii	Co. 40/Rbn. Bain Slip	150	318.59/Cum	47788.00	N. 33° 16'9.27 E. 75° 10'56.29	
	Total.	350	-	111506.00		
3	Supply of FYM Purchase of Farm yard manure from local villagers which includes all operations viz: collection, loading/ unloading, MT carriage, headload and its spreading on the surface etc.					
i	Co. 70/Udh. Kheri Slip	10	5000/trally	50000.00	N. 32° 57'6.00 E. 75° 9'21.86	
ii	Co. 70/Udh. Morh Slip	5	5000/trally	25000.00	N. 32° 59'22.73 E. 75° 11'17.85	
iii	Co. 22/Btt. Nashri Main Slip	10	5000/trally	50000.00	N. 33° 8'41.99 E. 75° 18'9.57	
iv	Co. 23/Btt. Bye Pass Peerah	10	5000/trally	50000.00	N. 33° 10'7.22 E. 75° 18'19.51	
v	Co. 40/Rbn. Bain Slip	10	5000/trally	50000.00	N. 33° 16'9.27 E. 75° 10'56.29	
	Total.	45	-	225000.00		
4	Check dam (As per PWD schedule rate)					
i	Co. 22/Btt. Nashri Main Slip	2	90000/Nos.	180000.00	N. 33° 8'41.99 E. 75° 18'9.57	
ii	Co. 70/Udh. Morh Slip	2	90000/Nos.	180000.00	N. 32° 59'22.73 E. 75° 11'17.85	
iii	Co. 40/Rbn. Tunnel-T2	2	45000/Nos.	90000.00	N. 32° 57'5.27 E. 75° 9'22.98	
iv	Co. 14/Btt. Champa	1	90000/Nos.	90000.00	N. 32° 07'46.99 E. 75° 17'58.35	
	Total.	7	-	540000.00		
5	Sund bags. (Act as barrier to reduce the run off velocity and control soil erosion)					
i	Co. 70/Udh. Morh Slip	1000	70/Bag	70000.00	N. 32° 59'22.73 E. 75° 11'17.85	
ii	Co. 23/Btt. Bye Pass Peerah	500	70/Bag	35000.00	N. 33° 10'7.22 E. 75° 18'19.51	
	Total.	1500	-	105000.00		
6	Crate work					
i	Co. 23/Btt. Bye Pass Peerah	10x4x4	25	7500/Nos.	187500.00	N. 33° 10'7.22 E. 75° 18'19.51
		20x4x4	20	15000/Nos.	300000.00	
ii	Co. 22/Btt. Nashri Main Slip	10x4x4	40	7500/Nos.	300000.00	N. 33° 8'41.99 E. 75° 18'9.57
		20x4x4	35	15000/Nos.	525000.00	
iii	Co. 22/Btt. Lower Nashri	10x4x4	16	7500/Nos.	120000.00	N. 33° 8'41.99 E. 75° 18'9.57
		20x4x4	15	15000/Nos.	225000.00	
iv	Co. 70/Udh. Kheri Slip	10x4x4	35	7500/Nos.	262500.00	N. 32° 57'6.00 E. 75° 9'21.86
		20x4x4	30	15000/Nos.	450000.00	
v	Co. 70/Udh. Morh	10x4x4	30	7500/Nos.	225000.00	N. 32° 59'22.73 E. 75° 11'17.85
		20x4x4	25	15000/Nos.	375000.00	
vi	Co. 40/Rbn. Bain Slip	10x4x4	15	7500/Nos.	112500.00	N. 33° 16'9.27 E. 75° 10'56.29
		20x4x4	13	15000/Nos.	195000.00	
vii	Co. 55/Bnl. Nachlana-II	10x4x4	10	7500/Nos.	75000.00	N. 33° 21'43.23 E. 75° 10'40.72
		20x4x4	5	15000/Nos.	75000.00	
viii	Co. 35/Rbn. Magerkote	10x4x4	13	7500/Nos.	97500.00	N. 33° 19'25.89 E. 75° 12'20.58
		20x4x4	6	15000/Nos.	90000.00	
ix	Co. 36/Rbn. Panthyal-II	10x4x4	15	7500/Nos.	112500.00	N. 33° 19'11.23 E. 75° 11'50.07
		20x4x4	10	15000/Nos.	150000.00	
x	Co. 40/Rbn. Monkey Morh	10x4x4	13	7500/Nos.	97500.00	N. 33° 16'05.38 E. 75° 10'38.91
xi	Co. 40/Rbn. Tunnel-T2	10x4x4	13	15000/Nos.	97500.00	N. 32° 57'5.27 E. 75° 9'22.98
		20x4x4	5	15000/Nos.	75000.00	
xii	Co. 73/Udh. Banti Pull	10x4x4	10	7500/Nos.	75000.00	N. 33° 14'40.22 E. 75° 12'39.63
		20x4x4	5	15000/Nos.	75000.00	
xiii	Co. 14/Btt. Champa	20x4x4	10	15000/Nos.	150000.00	N. 32° 07'46.99 E. 75° 17'58.35
	Total.		409	-	4372500.00	

Project Officer
National Highway-2A Project
Batote

7	Purchase of Surface soil erosion control materials Viz: Coir fibre logs, Geotextile mat of woven and non woven and its complete installation on ground involving surface dressing, levelling, filling of gullies, removal of boulders, making of anchor trench at top of the bund, preparation of U shape hooks and wooden posts for fixing of fibre logs and its fixing, supply of FYM/ vermi compost, planting of plants/grass slips, broadcasting of seeds & installation of last year pending soil erosion control materials if any etc.		2000000.000	-
Total of Rule 5 (2) activities.			18271064.0	-
Say			182.71 lac	-
(II) Activities covered under Rule 5 (3) of CAF Rules-2018				
S. No.	Items	Quantity	Rate/-	Amount (in Rs)
1	Casual engagement of local people or labour to assist regular staff for works for protection of forests (Old closures)			
1	Wages of 9 Nos. Need based Casual labour @6750/month for watch & ward of closures	9 Casual Labour	6750/month	729000.00
Total of Rule 5 (3) activities.				729000.00
Total of Rule 5 (2) and 5 (3) activities.				19000064.0
Say.				190.00 lac.


 Project Officer,
 National Highway-1A Project,
 Batote.

PROJECT OFFICER NH-1A PROJECT BATOTE
COMPENSATORY AFFORESTATION WORKS PROPOSAL FOR THE PERIOD 2017-18 to 2021-22
PROPOSED YEAR WISE PHYSICAL & FINANCIAL TARGETS.

FORM 1

S. No.	Item of work	Unit	Unit cost in	1st Year (2017-18)		2nd Year (2018-19)		3rd Year (2019-20)		4th Year (2020-21)		5th Year (2021-22)		Total	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
A	Plantation Component														
I	Fencing														
i	Galvanized Five Stranded	Rt.	90/89	13100	2179000	0	0	0	0	0	0	17320	2486000	39100	217000
ii	Black Annelled Barbed Wire	Rt.	72.76/78	7500	545250	12400	899200	14700	1065000	11800	859400	0	0	96100	717880
	S. Total,			0	2736900	0	9492000	14700	1199000	11800	2314400	27380	1986900	116100	12739500
iii	P. Taggert	Nos.	29.34/box	28500	837900	32750	960625	29400	860400	34500	1011150	59500	1722700	309197	9015800
iv	NR Plants	Nos.	23.17/box	8500	196945	7150	163622	0	0	0	0	0	0	16750	38763
v	Agnes	Nos.	13.45/box	5000	67250	22000	295900	10000	134500	12200	163190	69500	937800	143700	299720
vi	Tending	Nos.	4.35/box	36000	156600	40000	174000	0	0	0	0	0	0	30795	131000
	Agnes/Viko cutting	Nos.	6.00/box	0	0	0	0	0	0	0	0	0	0	0	0
	Dibbling	Nos.	7.25/box	10000	72500	0	0	0	0	0	0	0	0	0	10000
	Post-Setting	Nos.	6.51/box	3000	19530	0	0	0	0	0	0	0	0	0	3000
	Grass Stp	Qty.	4.10/box	3000	12300	0	0	0	0	0	0	0	0	0	3000
	Handhala	Nos.	3.00/box	0	0	0	0	0	0	0	0	0	0	0	0
	Total.			0	1155300	0	4109800	14190	1580705	19285	4079200	265900	4020000	0	15155005
2	Soil Conservation works														
i	DRM work	Cum	1099/Cum	312	340608	100	109900	323	354777	1000	1099000	1710	1874400	5171	5642275
ii	Laying bricks	Nos.	12000/box	73	876000	0	0	115	1380000	257	3084000	426	5142000	1347	16350000
iii	Purchase of Geo textile mat	Mtr	Us	0	0	0	0	0	0	0	0	0	0	0	0
iv	Lime for brick setting	Cum	318.50/Cum	0	0	0	0	0	0	0	0	0	0	0	0
v	Check Dam	Nos.	As per PAC	0	0	0	0	0	0	0	0	0	0	0	0
vi	Supply of FSNF	Nos.	5000/box	0	0	0	0	0	0	0	0	0	0	0	0
vii	Sand bags	Nos.	72/box	0	0	0	0	0	0	0	0	0	0	0	0
	Total			0	993000	0	648000	0	2852775	2017	6079400	4085	9303500	0	19876275
4	Maintenance														
i	BUC in old Units	Nos.	21.17/box	8819	185800	12400	263800	13961	2927900	15900	3369000	17700	3727800	12254	3560200
	Raising of PB plants in Nurseries	Nos.	-	6	0	0	0	40000	0	20200	0	121300	0	0	
	Raising of NR plants in Nurseries	Nos.	-	0	0	0	0	40000	0	43000	0	0	0	75010	
	Raising of PB plants in Nurseries	Nos.	-	0	0	0	0	9000	150400	0	606900	0	1413800	0	2797100
	Maint. of old PB plants in Nurseries	Nos.	-	5000	0	0	0	40000	0	40000	0	105000	0	44100	
	Maint. of old NR plants in Nurseries	Nos.	-	250	0	0	0	0	0	0	0	0	0	105250	
	Other Works	Nos.	0	0	0	0	0	0	0	0	0	0	0	0	
	Total			0	1	0	0	0	0	0	16000	0	0	0	
5	Watch & Ward														
ii	Fire Protection														
	Maintenance of Old Closures (Repair of fencing)														
	Contingency/Over Head														
	Wages of 5 Nos. Head based Casual labor @ 1750/month for watch & ward of closure	W/A	W/A												
	Sub Total.														
	G. Total of Planting Component:-														


Project Officer
National Highway 1A Project,
Batote

S.No.	Item of work	Unit	Unit cost	1st Year (2017-18)		2nd Year (2018-19)		3rd Year (2019-20)		4th Year (2020-21)		5th Year (2021-22)		Total	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Non Plantation Component.															
1	Other works.			81000		0		0		0		0		0	81000
ii	Fire Protection			54000		0		0		0		0		0	0
iii	Wages of 5 Nos. Road hand Casual labour @0750/month for work & road of drainage	Ww	Ww			052000		720000		720000		720000		720000	2652000
2	Infrastructure			I. Repair and renovation of ACP gate		0		0		190000		0		0	64000
				II. Construction of Dependent cell.											
				III. Construction of Drain from road of ACP gate.											
				IV. Construction of masonry wall of pond office.											
3	Monitoring and evaluation			10000		0		0		0		0		0	10000
4	Survey & Demarcation			5000		0		0		0		0		0	5000
5	Training and Capacity Building			10000		0		0		0		0		0	10000
6	Over Head														
	1) Wages of one Computer operator @20000/- per month 42000 to 20218 - Rs.138000/- Liability of wages notified vide Notification no. 548/ G.O. dt. 20/7/2019 amount to 10000/month for five months - Rs.18750/-			215000		250000		250000		250000		250000		250000	710000
	2) Salaries, other Misc. and allowances expenses of PO Office Bahin, PCC, Maintenance of office vehicle.														
	Non Plantation Component Total			0	964000	0	715000	0	979000	0	919000	0	0	0	4343000
G. Total				0	6838000	0	10000000	0	9000000	0	16000000	0	19000000	0	60838000


 Project Officer
 National Highway-1A Project-A Project
 Batote. Batote

**Project Officer NH-1A Project Batote Compartment wise work proposed under Compensatory Afforestation Programme
for the year 2021-22**

Range	Compartment	Total area of Compartment (in Ha)	Area to be treated (Hact)	Fencing (Rft)	Plantation (Nos)	Agave (Nos)	Ipomea/ Vitex cutting	Grass slip	Patch sowing	DRSM (Cum)	Surface dressing (Cum)	Check Dam (Nos)	Supply of FYM (Nos)	Sand bags (Nos)	Crate (Nos)
Udh-Btt. sector	Co. 22/Btt	316	27	8000	17000	13500	19000	9000	3000	300	200	2	0	0	106
	Co. 23/Btt	218	10	3000	7500	8000	7000	5900	1000	195	0	0	0	500	45
	Co. 70/Udh.	202	26	8000	16000	13000	13000	6000	3000	290	0	2	15	1000	120
	Co. 73/Udh.	150	0	0	0	3000	2000	2000	0	50	0	0	0	0	15
	Co. 14/Btt	324	0	0	0	0	0	0	0	0	0	1	0	0	10
Rbn-Bnl. sector	Co. 40/Rbn.	176	13	4000	9000	14000	12500	11000	1000	393	150	2	10	0	54
	Co. 55/Bnl.	254	14	4300	8000	7000	0	0	1500	170	0	0	0	0	15
	Co. 36/Rbn.	295	0	0	2000	8000	0	0	0	246	0	0	0	0	25
	Co. 35/Rbn.	397	0	0	0	3000	0	0	0	130	0	0	0	0	19
	Total.	-	90	27300	59500	69500	53500	33900	9500	1774	350	7	45	1500	409



 Project Officer,
 National Highway-1A Project,
 Batote.

Year wise and Range wise abstract of area to be treated:-

Range	2017-18 (Area in Ha)	2018-19 (Area in Ha)	2019-20 (Area in Ha)	2020-21 (Area in Ha)	2021-22 (Area in Ha)	Total (Area in Ha)
Udh-Btt. Sector	55	84	29	50	53	271
Rbn-Bnl. sector	25	51	20	56	37	189

Year wise abstract of area to be treated:-

2017-18 (Area in Ha)	2018-19 (Area in Ha)	2019-20 (Area in Ha)	2020-21 (Area in Ha)	2021-22 (Area in Ha)	Total
80	135	49	106	90	460


 Project Officer,
 National Highway-1A Project,
 Batote.

INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 70/Udh. Kheri Slip				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Chir, Anardana, Sisoo, Mella & Nerium etc.				
b	Density / Crown Cover	Less than 3%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
H	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	Fencing	i. Fencing using 5q PCC Posts with 4 strand GI-BW at 10 Ft spacing.	Rft	6200	72.78	451236.000
b	i. Planting / species	Planting in pits of size (45cm) ³	Nos	12000	29.34	352080.000
		ii. Extra for Mech. Carriage including head load carriage of PB plants from SFRI Srinagar/Jammu as per load/distance.	Nos	12000	6	72000.000
		ii. Planting of NR Plants / Agave Plants.	Nos	10000	15.45	154500.000
c	Ipomea/Vitex/Poplar/Badai/ Mulberry cutting	Collected locally & planted in the field.	Nos	10000	6	60000.000
d	Patch Sowing	Sowing of seed in Patches of Size 45cmx45cmx15cm	Nos	1000	6.99	6990.000
e	i. Fodder /Grass slips	Collection and planting of grass slips in trenches excluding cost of slips & its carriage in the field (Purchase from skaut Jammu/Agrostology Division Jammu)	Slip	4000	6.35	25400.000
		ii. Extra for extraction, collection, Purchase & MT. Carriage @ Rs.2/slip.	slip	4000	2	8000.000
f	Soil Conservation works					
i	DRSM	Construction of Danga's in gully / slip areas / Nallah treatment as a soil moisture conservation measure.	Cum	200	1099	219800.000
ii	Crates	10x4x4-	Nos	35	7500	262500.000
		20x4x4-	Nos	30	15000	450000.000
iv	Supply of FYM	Purchase of Farm yard manure from local villagers which includes all operations viz: collection, loading/ unloading, MT carriage, headload and its spreading on the surface etc.	Nos	10	5000	50000.000
7	DMZ file of the proposed site.	Attached.				
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected	The inspection of site has been done by the field staff headed by Sh. Manak Singh, Range Officer, Batote-Udhampur sector alongwith Sh. Raj Kumar, Project Officer				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


 Project Officer
 National Highway-1A Project,
 Batote



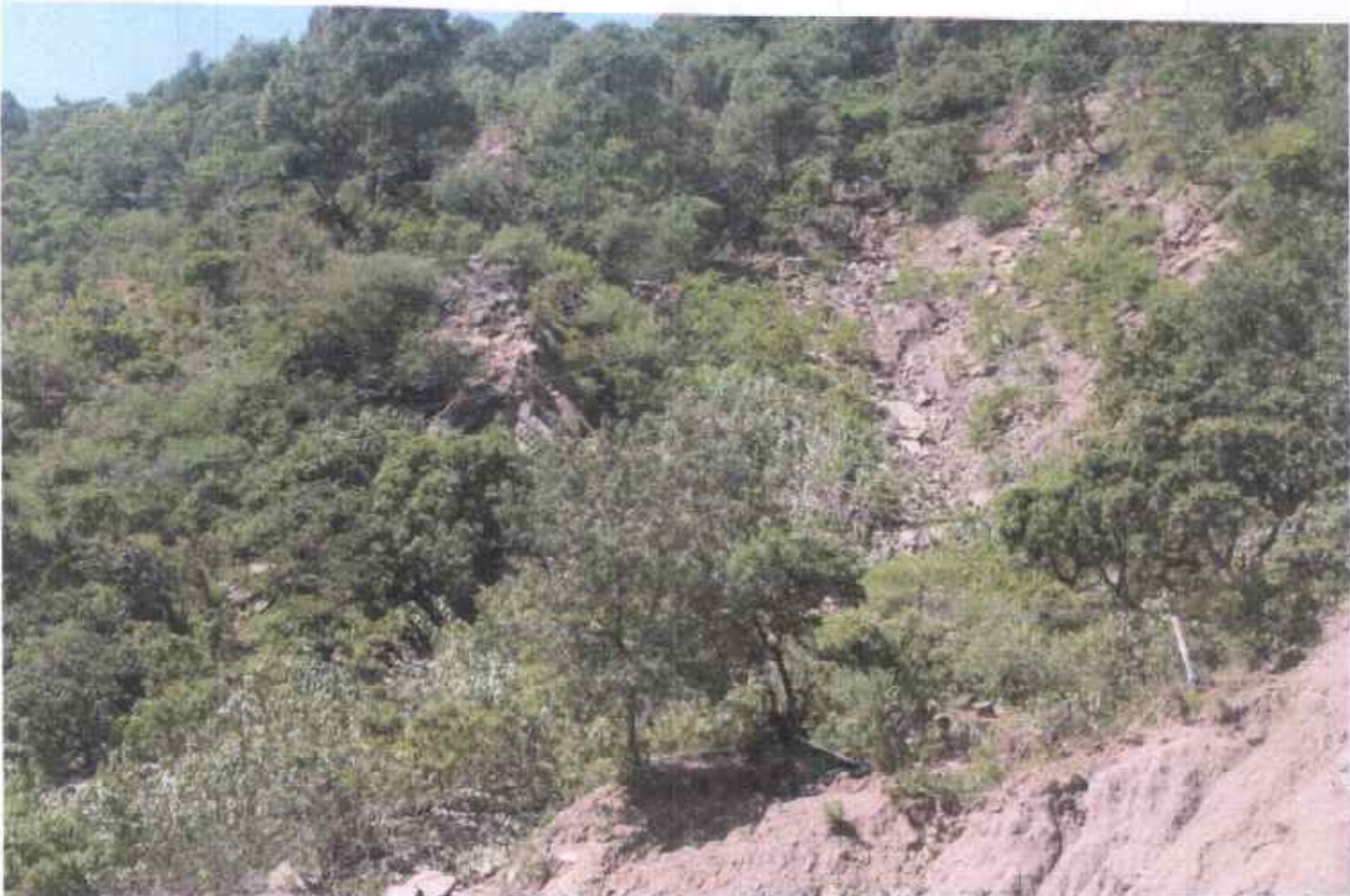
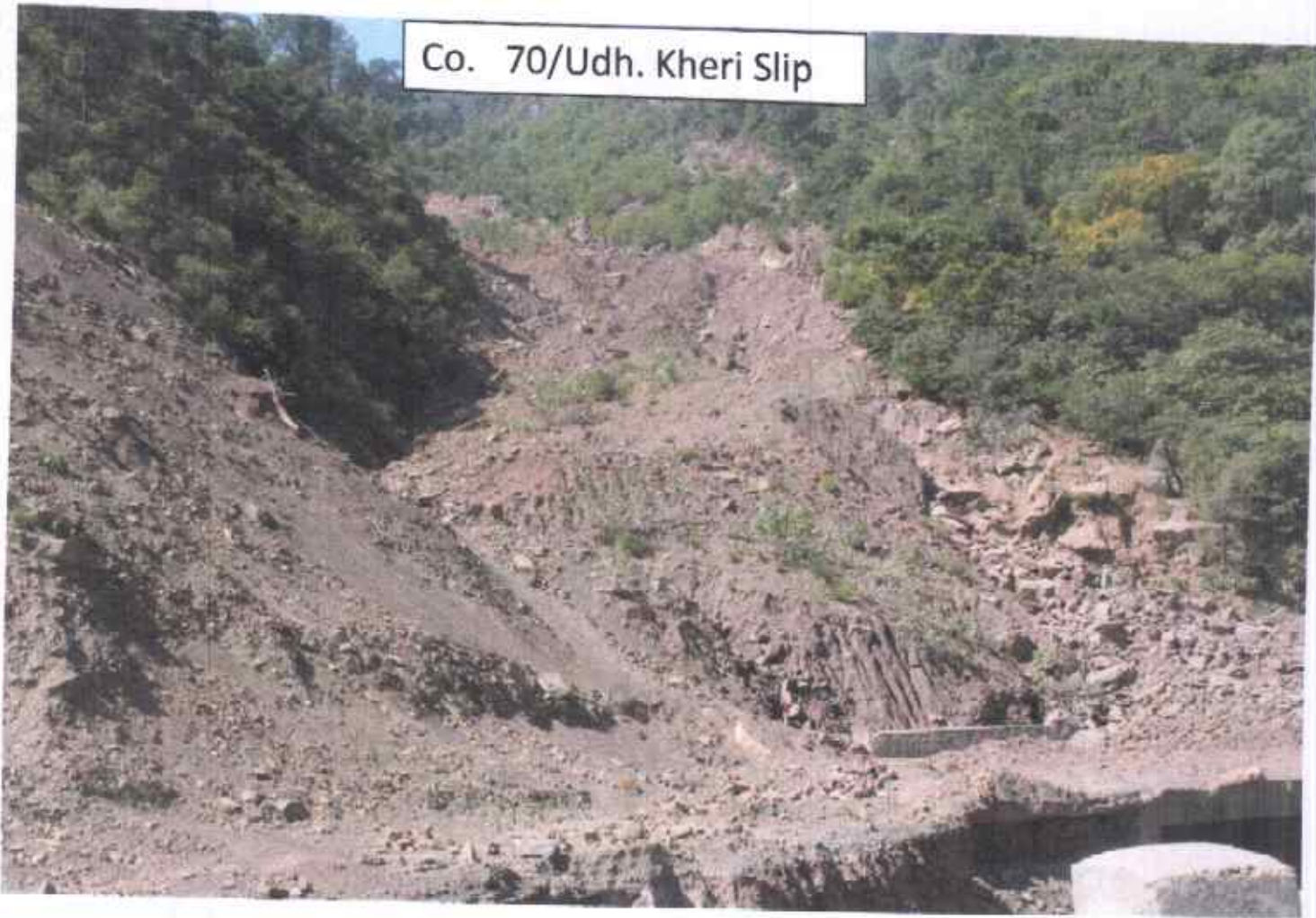
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Co. 70/Udh Khen Slip ●

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Co. 70/Udh. Kheri Slip



INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

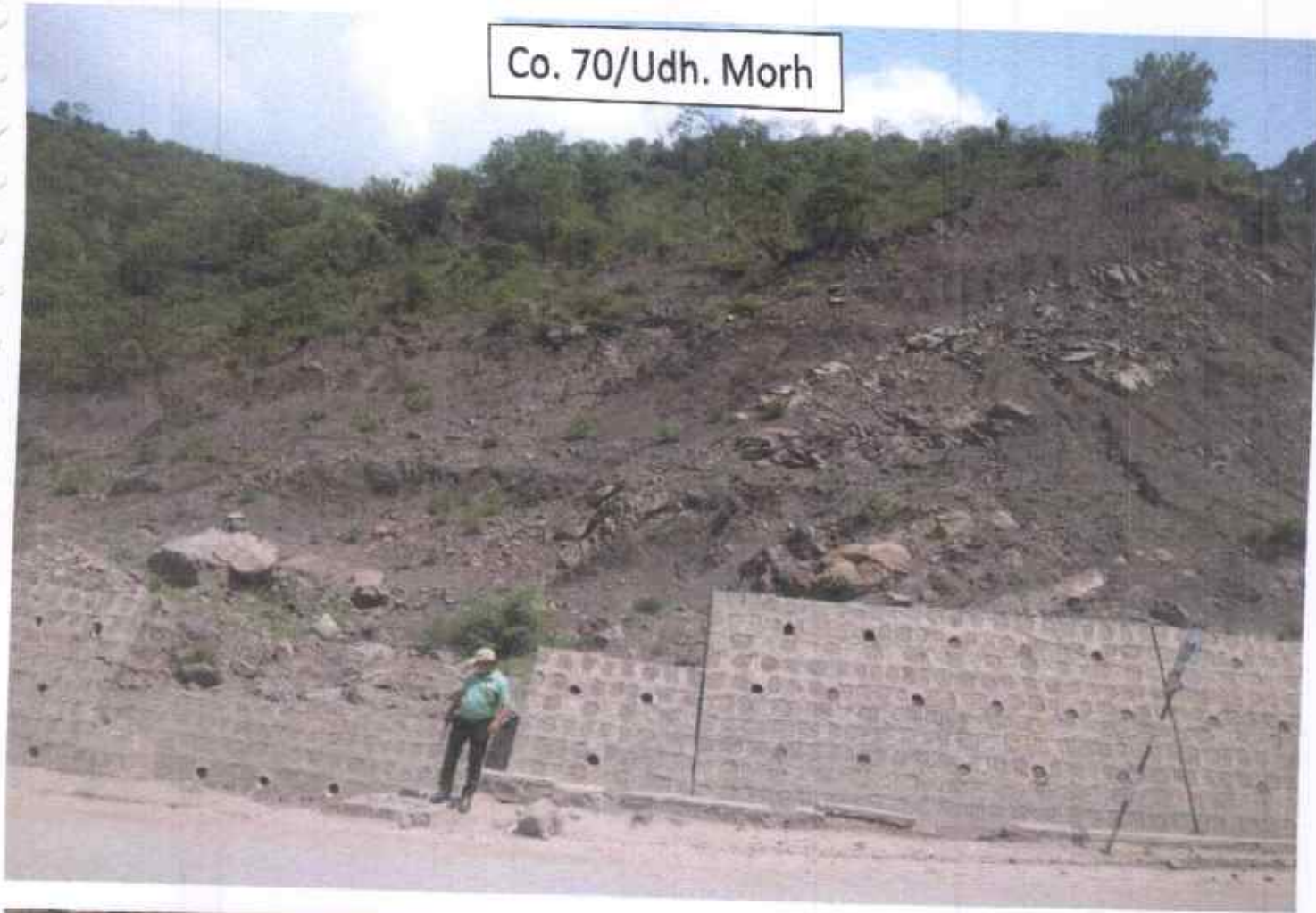
A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 70/Udh. Morh				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Chir, Anardana, Sisoo, Melia & Nerium etc.				
b	Density / Crown Cover	Less than 2%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	Fencing	i. Fencing using Sq PCC Posts with 4 strand GI-BW at 10 Ft spacing.	Rft	1800	72.78	131004.000
b	i. Planting / species	Planting in pits of size (45cm) ²	Nos	4000	29.34	117360.000
	ii. Extra for Mech. Carriage including head load carriage of PB plants from SFRI		Nos	4000	6	24000.000
	ii. Planting of NR Plants / Agave Plants	Planting in pits of size (30cm) ²	Nos	3000	15.45	46350.000
c	Ipomea/Vitex/Popular/Badai/Mulberry cutting	Collected locally & planted in the field.	Nos	3000	6	18000.000
d	Patch Sowing	Sowing of seed in Patches of Size 45cmx45cmx15cm	Nos	2000	6.99	13980.000
e	i. Fodder /Grass slips	Collection and planting of grass slips in trenches excluding cost of slips & its carriage in the field (Purchase from skausi Jammu/Agrostology Division Jammu)	Slip	2000	6.35	12700.000
	ii. Extra for extraction, collection, Purchase & MT. Carriage @ Rs.2/slip.		slip	2000	2	4000.000
f	Soil Conservation works					
i	DRSM	Construction of Danga's in gully / slip areas / Nallah treatment as a soil moisture conservation measure	Cum	90	1099	98910.000
ii	Crates	10x6x4-	Nos	30	7500	225000.000
		20x4x4-	Nos	25	15000	375000.000
7	KMZ file of the proposed site	Attached.				
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Manak Singh, Range Officer, Batote-Udhampur sector alongwith Sh. Raj Kumar, Project Officer				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


 Project Officer
 National Highway-44 Project,
 Batote



Co. 70/Udh. Morh



INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 22/Btt. Nashri Main Passi				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Chir, Anardana, Makhn, Alfanthus, Amibok & Sissoo.				
b	Density / Crown Cover	less than 1%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	Fencing	i. Fencing using Sq PCC Posts with 4 strand GI-BW at 10 Ft spacing.	Rft	5000	72.78	363900.000
b	i. Planting / species ii. Extra for Mech. Carriage including head load carriage of PB plants from SFRI ii. Planting of NR Plants / Agave Plants.	Planting in pits of size (45cm) ³	Nos	10000	29.34	293400.000
		Planting in pits of size (30cm) ²	Nos	10000	6	60000.000
			Nos	8000	15.45	123600.000
c	Ipomea/Vitex/Poplar/Badal/ Mulberry cutting	Collected locally & planted in the field.	Nos	9000	6	54000.000
d	Patch Sowing	Sowing of seed in Patches of Size 45cmx45cmx15cm	Nos	2000	6.99	13980.000
e	i. Fodder /Grass slips	Collection and planting of grass slips in trenches excluding cost of slips & its carriage in the field (Purchase from skast Jammu/Agristology Division Jammu)	Slip	5000	6.35	31750.000
		ii. Extra for extraction, collection, Purchase & MT. Carriage @ Rs.2/slip.	slip	5000	2	10000.000
f	Soil Conservation works					
i	DRSM	Construction of Danga's in gully / slip areas / Nallah treatment as a soil moisture conservation measure.	Cum	210	1099	230790.000
ii	Crates	10x4x4-	Nos	40	7500	300000.000
		20x4x4-	Nos	35	15000	525000.000
	Land Surface dressing	Land surface dressing including all operation viz; manual levelling of land, filling of gullies and removal of boulders etc.	Cum	700	318.59	63718.000
iii	Check Dam	A small dam constructed across a drainage ditch or channel to lower the velocity of run off which allows sediments to settle out.	Nos	2	90000	180000.000
iv	Supply of FYM	Purchase of Farm yard manure from local villagers which includes all operations viz; collection, loading/unloading, MT carriage, handling and its spreading on the surface etc.	Nos	10	5000	50000.000
7	KMZ file of the proposed site.	Attached.				
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Manak Singh, Range Officer, Batote-Udhampur sector alongwith Sh. Raj Kumar, Project Officer				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


Project Officer
National Highway-1A Project,
Batote



Legend

● Co. 22/Btt. Nashri Main Slip

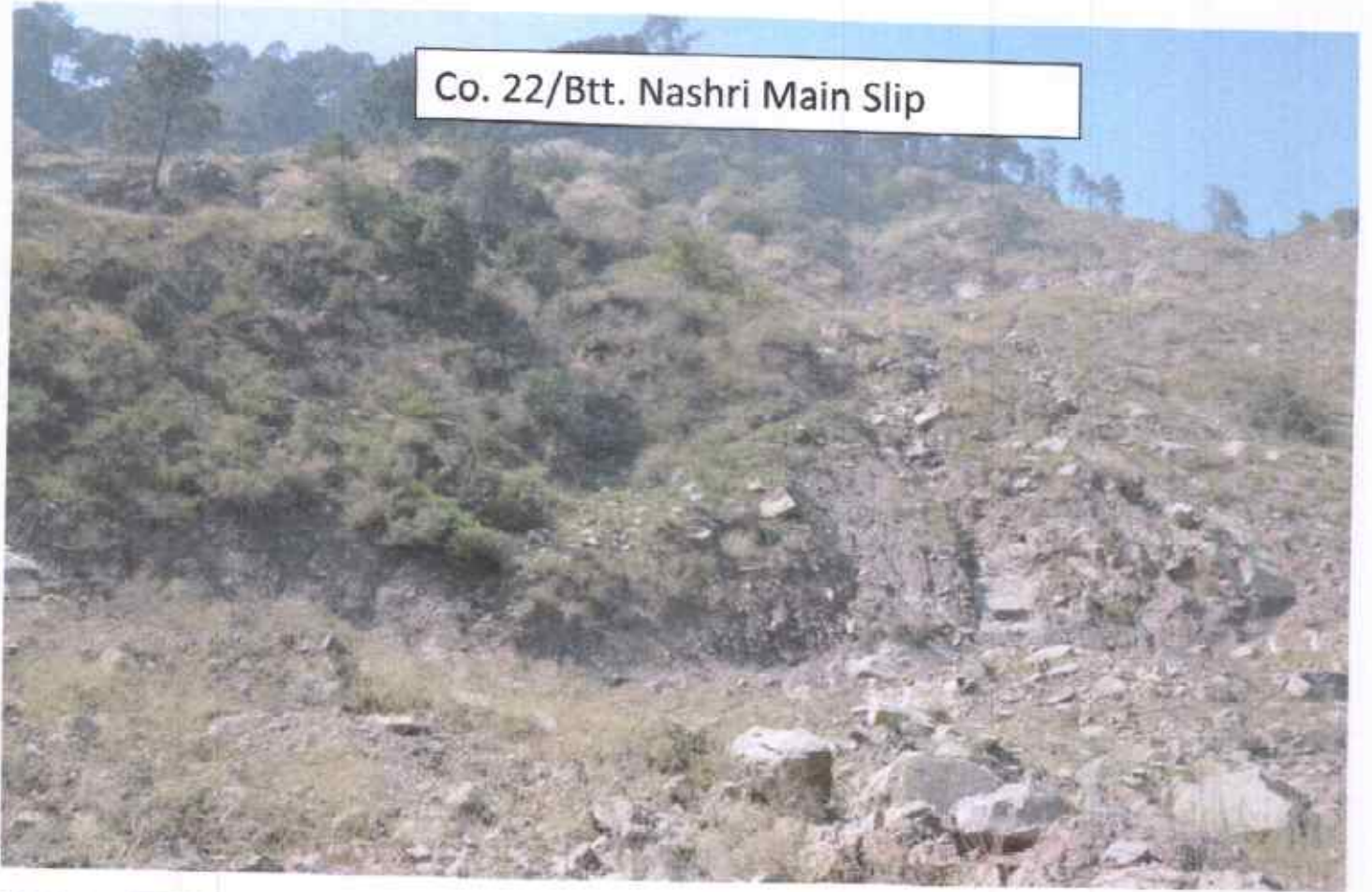
Google Earth

Image © 2020 Maxar Technologies
© 2020 Google
Project of 3.48 km² area
Image taken 12/20/2019



100 m

Co. 22/Btt. Nashri Main Slip



INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 22/Btt. Lower Nashri				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway 44. However, the existing crops in and surrounding area are mostly Chir, Anardana, Makhan, Ailanthus, Amlook & Sisoo.				
b	Density / Crown Cover	less than 3%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway it is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	Fencing	i. Fencing using Sq PCC Posts with 4 strand GI-BW at 10 Ft spacing.	Rft	3000	72.78	218340.000
b	i. Planting / species	Planting in pits of size (45cm) ²	Nos	7000	29.34	205380.000
	ii. Extra for Mech. Carriage including head load carriage of PB plants from SFRI		Nos	7000	6	42000.000
	ii. Planting of NR Plants / Ageve Plants.	Planting in pits of size (30cm) ²	Nos	5500	15.45	84975.000
c	Ipomea/Vitex/Popular/Badai/Mulberry cutting	Collected locally & planted in the field.	Nos	6000	6	36000.000
d	Patch Sowing	Sowing of seed in Patches of Size 45cmx45cmx15cm	Nos	1000	6.99	6990.000
e	i. Hodder /Grass slips	Collection and planting of grass slips in trenches excluding cost of slips & its carriage in the field (Purchase from skaur Jammu/Agroatology Division Jammu)	Slip	7000	6.25	11700.000
	ii. Extra for extraction, collection, Purchase & MT. Carriage @ Rs 2/slip.		slip	2000	2	4000.000
f	Soil Conservation works					
i	DRSM	Construction of Danga's in gully / slip areas / Nallah treatment as a soil moisture conservation measure	Cum	90	1099	98910.000
ii	Crests	10x4x4-	Nos	16	7500	120000.000
		20x4x4-	Nos	15	15000	225000.000
7	KMZ file of the proposed site.	Attached.				
8	Photographs of the site.	Attached.				
9	Site Inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Manak Singh, Range Officer, Batote Udhampur sector alongwith Sh. Raj Kumar, Project Officer				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


 Project Officer
 National Highway 44, Project,
 Batote



Legend

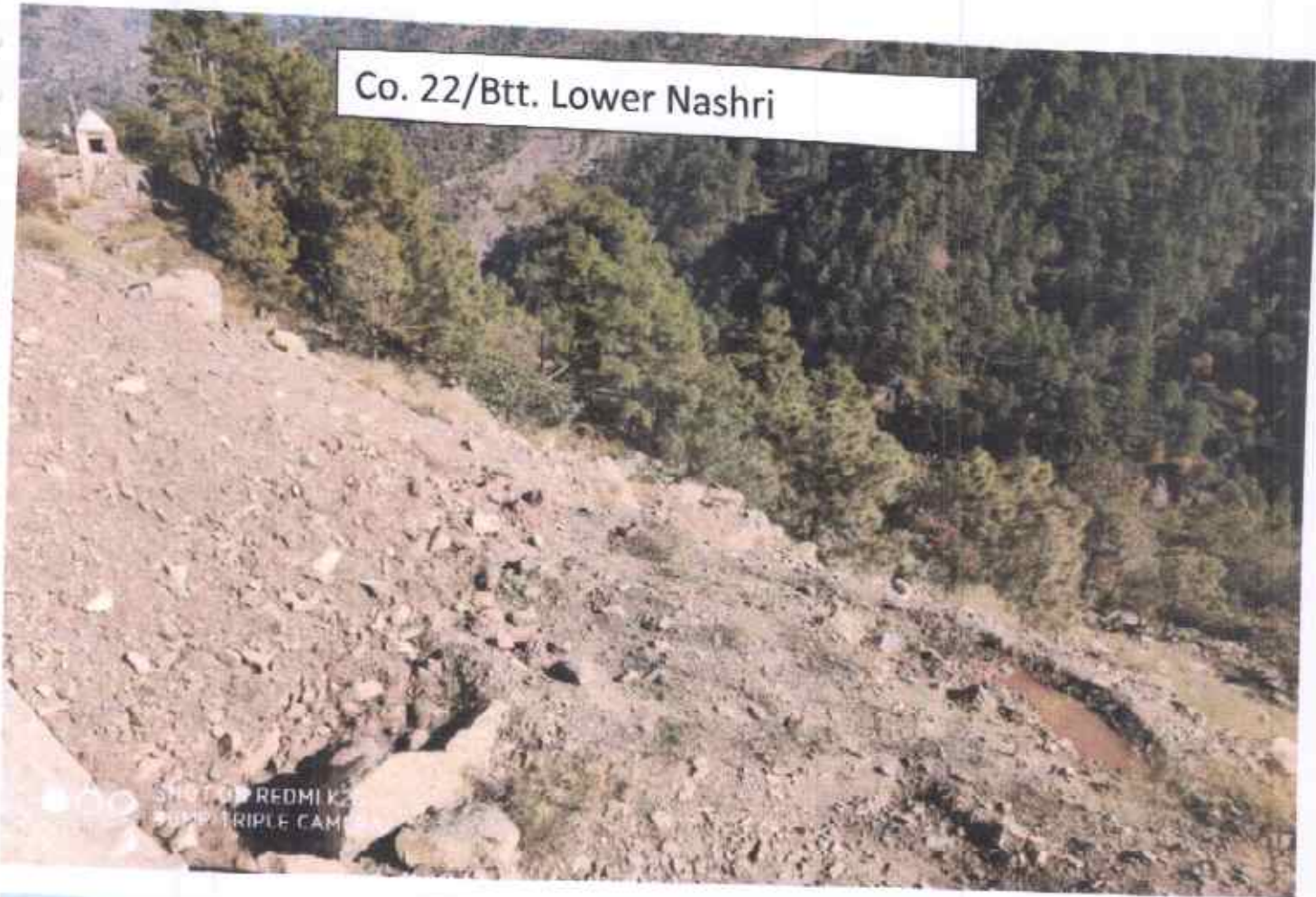
- Co. 22/Btt. Lower Nashri
- Co. 22/Btt. Lower Nashri

Co. 22/Btt. Lower Nashri

Google Earth

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2020 Google

Co. 22/Btt. Lower Nashri



SHOT ON REDMI 12
50MP TRIPLE CAM



SHOT ON REDMI 12
50MP TRIPLE CAMERA

INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 23/Bit. Bye Pass Peerah				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Chir, Anardana, Makhan, Sisoo & Olea cuspidata				
b	Density / Crown Cover	0% (Existing area with no vegetation)				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway it is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	Fencing	I. Fencing using Sq PCC Posts with 4 strand GI-BW at 10 Ft spacing.	Rft	3000	72.78	218340.000
b	i. Planting / species	Planting in pits of size (45cm) ²	Nos	7500	29.34	220050.000
	ii. Extra for Mech. Carriage including head load carriage of PB plants from SFRI Srinagar/Jammu as per lead/distance.		Nos	7500	6	45000.000
	ii. Planting of NR Plants / Agave Plants	Planting in pits of size (30cm) ²	Nos	8000	15.45	123600.000
c	Ipomea/Vitex/Poplar/Budai/Mulberry cutting	Collected locally & planted in the field.	Nos	7000	6	42000.000
d	Patch Sowing	Sowing of seed in Patches of Size 45cmx45cmx15cm	Nos	1000	6.99	6990.000
e	i. Fodder /Grass slips	Collection and planting of grass slips in trenches excluding cost of slips & its carriage in the field (Purchase from skaut Jammu/Agrobiology Division Jammu)	Slip	5900	6.35	37465.000
		ii. Extra for extraction, collection, Purchase & M1 Carriage @ Rs.2/slip	slip	5900	2	11800.000
f	Soil Conservation works					
i	DRSM	Construction of Danga's in gully / slip areas / Nallah treatment as a soil moisture conservation measure.	Cum	195	1099	214305.000
ii	Grates	10x4x4=	Nos	25	7500	187500.000
		20x4x4=	Nos	20	15000	300000.000
iv	Supply of FYM	Purchase of Farm yard manure from local villagers which includes all operations viz collection, loading/unloading, M1 carriage, headload and its spreading on the surface etc.	Nos	10	5000	50000.000
v	Sand Bags	A sand bag is made up of poly propylene or jute or other materials that is filled with sand or soil and placed in trenches across the slopes to stabilize soil from erosion.	Nos	500	70	35000.000
7	KMZ file of the proposed site.	Attached.				
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Marak Singh, Range Officer, Batote-Udhampur sector alongwith Sh. Raj Kumar, Project Officer				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


 Project Officer,
 National Highway-1A Project,
 Batote



Legend

- 📍 Co. 23/Btt Bye Pass Peerah
- 📍 Co. 23/Btt Bye Pass Peerah

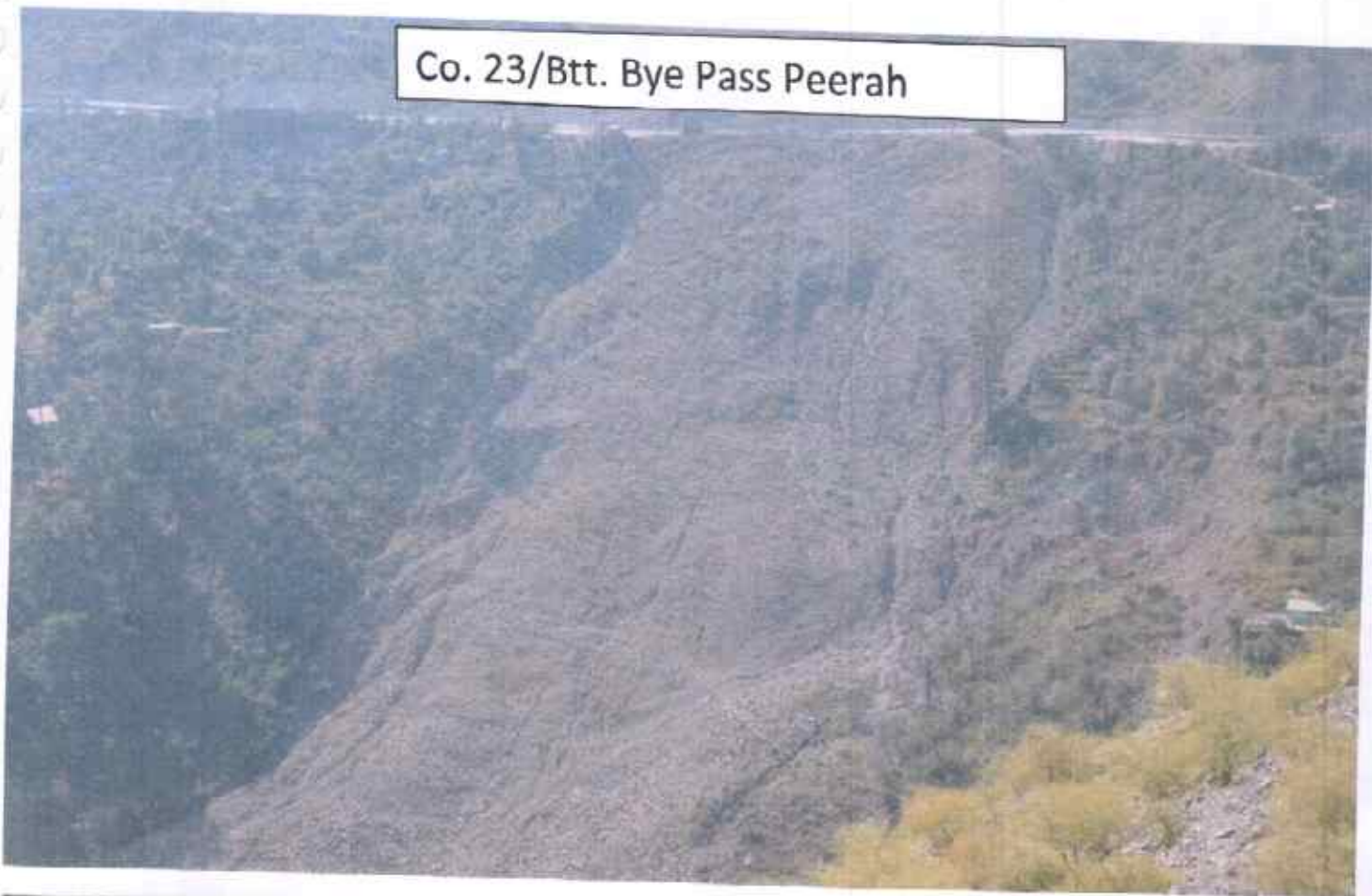
Google Earth

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Co. 23/Btt. Bye Pass Peerah



INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

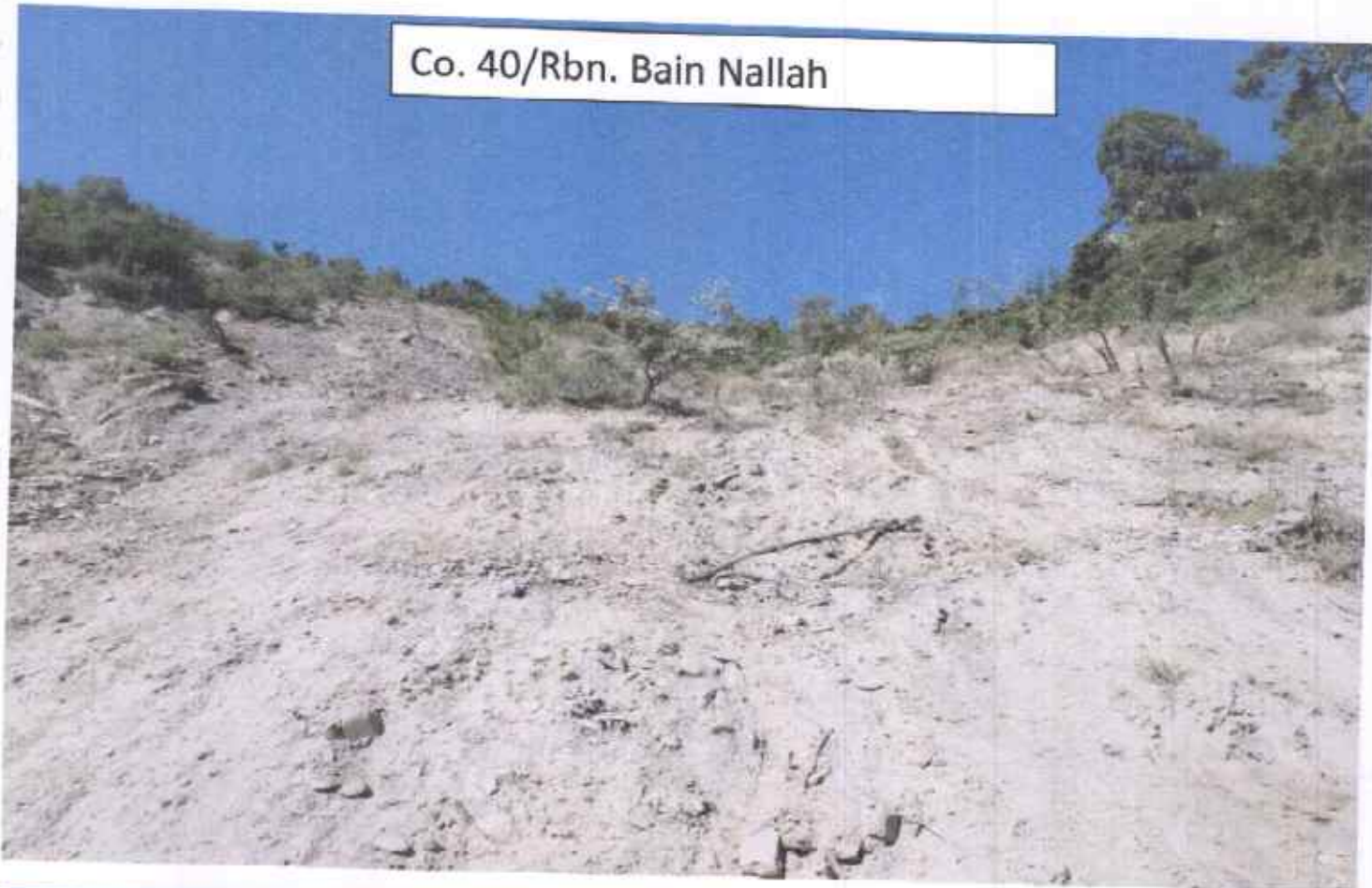
A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 40/Rbn. Bain Nallah				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Chir, Anardana, Sisoo, Allanthus & Robinia etc				
b	Density / Crown Cover	Less than 1%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	Fencing	i. Fencing using Sq PCC Posts with 4 strand GI-BW at 10 Ft spacing.	Rft	4000	72.78	291120.000
b	i. Planting / species	Planting in pits of size (45cm) ²	Nos	9000	29.34	264720.000
	ii. Extra for Mech. Carriage including head load carriage of PB plants from SFRI Srinagar/Jammu as per lead/distance.		Nos	8000	7	56000.000
	ii. Planting of NR Plants / Agave Plants.	Planting in pits of size (30cm) ²	Nos	7000	15.45	108150.000
c	Ipomea/Vitex/Poplar/Dadai/ Mulberry cutting	Collected locally & planted in the field.	Nos	7500	6	45000.000
d	Patch Sowing	Sowing of seed in Patches of size 45cmx45cmx15cm	Nos	1000	6.99	6990.000
e	i. Fodder /Grass slips	Collection and planting of grass slips in trenches excluding cost of slips & its carriage in the field (Purchase from skaut Jammu/Agrostology Division Jammu)	Slip	5500	6.35	34925.000
	ii. Extra for extraction, collection, Purchase & MT. Carriage @ Rs.2/slip		slip	5500	2	11000.000
f	Soil Conservation works					
i	DRSM	Construction of Danga's in gully / slip areas / Nallah treatment as a soil moisture conservation measure.	Cum	215	1099	236285.000
ii	Crates	10x4x4=	Nos	15	7500	112500.000
		20x4x4=	Nos	13	15000	195000.000
iii	Land Surface dressing	Land surface dressing including all operation viz: manual levelling of land, filling of gullies and removal of boulders etc.	Cum	150	318.59	47788.500
	Supply of FYM	Purchase of Farm yard manure from local villagers which includes all operations viz: collection, loading/ unloading, MT carriage, removal and its spreading on the surface etc.	Nos	10	5000	50000.000
7	KMZ file of the proposed site.	Attached.				
8	Photographs of the site	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Sanjeev Kumar Baogia, Range Officer, Ramban-Banihal sector.				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


Project Officer
National Highway-1A Project
Batote Project.
 Batote



Co. 40/Rbn. Bain Nallah



INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 55/8nl. Nachlana-II				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Kail, Deodar H.C Hut & Spross.				
b	Density / Crown Cover	Less than 1%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	Fencing	i. Fencing using Sq PCC Posts with 4 strand GI-BW at 10 ft spacing.	Rft	4300	72.78	312954.000
b	i. Planting / species	Planting in pits of size (45cm) ²	Nos	8000	29.34	234720.000
	ii. Extra for Mech. Carriage including head load carriage of PB plants from SFRI		Nos	8000	7	56000.000
	ii. Planting of NR Plants / Agave Plants.	Planting in pits of size (30cm) ²	Nos	7000	15.45	108150.000
d	Patch Sowing	Sowing of seed in Patches of Size 45cmx45cmx15cm	Nos	1500	6.99	10485.000
e	Soil Conservation works					
i	DRSM	Construction of Bangals in gully / slip areas / Nallah treatment as a soil moisture conservation measure.	Cum	170	1099	186830.000
ii	Crates	10x4x4-	Nos	10	7500	75000.000
		20x4x4-	Nos	8	15000	120000.000
7	KMZ file of the proposed site	Attached.				
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Sanjeev Kumar Baogis, Range Officer, Ramban Banihal sector.				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


Project Officer
Project TA Project
National Highway 44, Project,
Batote.

Legend

- Co- 55 Bnl. Nachlana-II
- Co. 55/Bnl. Nachlana-I

Co. 55/Bnl. Nachlana-II

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200m



Co. 55/Bnl. Nachlana-II



INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 36/Rbn. Panthyal-I				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Kail, Robinia H.C Hut & Spross.				
b	Density / Crown Cover	Less than 2%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	i. Planting / species	Planting in pits of size (45cm) ²	Nos	2000	29.34	58680.000
	ii. Extra for Mech. Carriage including head load carriage of PB plants from SFRI		Nos	2000	7	14000.000
	ii. Planting of NR Plants / Agave Plants.	Planting in pits of size (30cm) ²	Nos	5000	15.45	77250.000
d	Soil Conservation works					
i	DRSM	Construction of Danga's in gully / slip areas / Nallah treatment as a soil moisture conservation measure.	Cum	86	1099	94514.000
7	KMZ file of the proposed site.					
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Sanjeev Kumar Baogia, Range Officer, Ramban-Banihal sector.				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


 Project Officer
 National Highway-1A Project,
 Bante

INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / Intervention site.	Co. 36/Rbn. Panthyal-II				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Kail, Robinia H.C Hur & Spross.				
b	Density / Crown Cover	Less than 2%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	ii. Planting of NR Plants / Aageve Plants.	Planting in pits of size (30cm) ³	Nos	3000	15.45	46350.000
b	Soil Conservation works					
i	DRSM	Construction of Danga's in gully / slip areas / Nallah treatment as a soil moisture conservation measure.	Cum	160	1099	175840.000
ii	Crates	10x4x4=	Nos	15	7500	112500.000
		20x4x4=	Nos	10	15000	150000.000
7	KMZ file of the proposed site.					
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Sanjeev Kumar Baogla, Ranger Officer, Ramban-Banihal sector.				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


 Project Officer
 National Highway-44, Project,
 National Highway-44, Project,
 Batote

INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 40/Rbn. Monkey Morh				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Chir, Anardana, Sisoo, Allanthus & Robinia etc				
b	Density / Crown Cover	Less than 2%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	i. Planting / species	Planting in pits of size (45cm) ²	Nos	1000	29.34	29340.000
	ii. Extra for Mech. Carriage including head load carriage of PB plants from SFRI Srinagar/Jammu as per lead/distance.		Nos	1000	7	7000.000
	ii. Planting of NR Plants / Agave Plants.	Planting in pits of size (30cm) ²	Nos	5000	15.45	77250.000
b	Ipomea/Vitex/Popular/Badal/Mulberry cutting	Collected locally & planted in the field.	Nos	3000	6	18000.000
d	i. Fodder /Grass slips	Collection and planting of grass slips in trenches excluding cost of slips & its carriage in the field (Purchase from Shastri Jammu/Agrovostology Division Jammu)	Slip	4000	6.35	25400.000
e	ii. Extra for extraction, collection, Purchase & MT. Carriage @ Rs 2/slip.		slip	4000	2	8000.000
f	Soil Conservation works					
i	DRSM	Construction of Banga's in gully / slip areas / Nailah treatment as a soil moisture conservation measure	Cum	88	1099	96712.000
ii	Crates	10x2x4	Nos	18	7500	97500.000
7	KMZ file of the proposed site.	-				
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Sanjeev Kumar Boogie, Range Officer, Ramban-Banihal sector.				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


Project Officer
 National Highway Project,
 Bhatate

INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 35/Rbn. Magerkote				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway 44. However, the existing crops in and surrounding area are mostly Kail, Robinia,				
b	Density / Crown Cover	Less than 2%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	Planting of NN Plants / Agave Plants.	Planting in pits of size (30cm) ²	Nos	3000	15.45	46350.000
b	Soil Conservation works					
i	DRSM	Construction of Danga's in gully / slip areas / Nallah treatment as a soil moisture conservation measure.	Cum	130	1099	142870.000
ii	Crates	10x4x4= 20x4x4=	Nos	13	7500	97500.000
			Nos	6	15000	90000.000
7	KMZ file of the proposed site.					
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected	The inspection of site has been done by the field staff headed by Sh. Sanjeev Kumar Baggie, Range Officer, Ramban-Banihal sector.				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


 Project Officer
 National Highway-PA Projec.
 National Highway-PA Projec.
 Batote

INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 40/Rbn. Tunnel-T2				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Chir, Anardana, Sisoo, Ailanthus & Robinia etc.				
b	Density / Crown Cover	Less than 2%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the Panchayat of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	i. Planting of NR Plants / Agave Plants.	Planting in pits of size (30cm) ²	Nos	2000	15.45	30900.000
	ii. Extra for Mech. Carriage including head load carriage of PB plants from SFRI Srinagar/Jammu as per lead/distance.		Nos	2000	7	14000.000
b	Ipomea/Vitex/Poplar/Badal/ mulberry cutting	Collected locally & planted in the field.	Nos	2000	6	12000.000
d	Fodder /Grass slips	Collection and planting of grass slips in trenches excluding cost of slips & its carriage in the field (Purchase from skaut Jammu/Agronomy Division Jammu)	Slip	1500	6.35	9525.000
			ii. Extra for extraction, collection, Purchase & MT. Carriage @ Rs.2/slip.	slip	1500	2
e	Soil Conservation works					
i	DRSM	Construction of Danga's in gully / slip areas / Nallah treatment as a soil moisture conservation measure.	Cum	90	1099	98910.000
ii	Crates	10x4x4=	Nos	13	7500	97500.000
iii	Check Dam.	A small dam constructed across a drainage ditch or channel to lower the velocity of run off which allows sediments to settle out.	Nos			
				2	45000	90000.000
7	KMZ file of the proposed site.	-				
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Sanjeev Kumar Baogia, Range Officer, Ramban-Banihal sector.				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


Project Officer
 National Highway A Project,
 Batote

INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 73/Udh. Banti Pull				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway 44. However, the existing crops in and surrounding area are mostly Anardana, Sisoo & Melia etc.				
b	Density / Crown Cover	Less than 1%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	Planting of NR Plants / Agave Plants	Planting in pits of size (30cm) ³	Nos	3000	15.45	46350.000
b	Ipomea/Vitex/Poplar/Badal/Mulberry cutting	Collected locally & planted in the field.	Nos	2000	6	12000.000
d	Fodder /Grass slips	Collection and planting of grass slips in trenches excluding cost of slips & its carriage in the field (Purchase from skaut Jammu/Agrastology Division Jammu)	Slip	2000	6.35	12700.000
	ii. Extra for extraction, collection, Purchase & MT. Carriage @ Rs 2/slip.		slip	2000	2	4000.000
e	Soil Conservation works					
i	DRSM	Construction of Danga's in gully / slip areas / Nallah treatment as a soil moisture conservation measure	Cum	50	1099	54950.000
ii	Crates	10x4x4-	Nos	10	7500	75000.000
		20x4x4-	Nos	5	15000	75000.000
7	KMZ file of the proposed site.					
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Manak Singh, Range Officer, Batote-Udhampur sector.				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


 Project Officer
 National Highway 44 Project,
 Batote

INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 72/Btt. Nashri Near Check Post				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Chir, Anardana, Makhan, Ailanthus, Robinia, Popular, Willow & Sisoo				
b	Density / Crown Cover	Less than 2%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
a	Ipomea/Vitex/Popular/Bodai/Mulberry cutting	Collected locally & planted in the field.	Nos	4000	6	24000.000
b	Fodder /Grass slips	Collection and planting of grass slips in trenches excluding cost of slips & its carriage in the field	Slip	2000	6.35	12700.000
	ii. Extra for extraction, collection, Purchase & MT. Carriage @ Rs. 2/slip.		slip	2000	2	4000.000
7	KM2 file of the proposed site	Attached.				
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Manak Singh, Range Officer, Batote-Udhampur sector.				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


 Project Officer
 National Highway-1A Project,
 Batote

INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 14/Btt. Champa				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Chir, Anardana, Makhani, Allanthus, Robinia, Popular, Willow & Sissoo.				
b	Density / Crown Cover	Less than 2%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest.	The main reason is widening of four laning of National Highway				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway it is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
e	Soil Conservation works					
i	Crates	10x4x4=	Nos	10	7500	75000.000
ii	Check Dam	A small dam constructed across a drainage	Nos	1	90000	90000.000
8	Photographs of the site.	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Manak Singh, Range Officer, Batote-Udhampur sector.				
10	Over lapping with works done / proposed under any other scheme (Yes/No)	No.				


 Project Officer,
 National Highway Project,
 Project Office,
 National Highway
 Batote

INTERVENTION SITE PROPOSED UNDER CAMPA- 2021-22

COMPONENT :- NET PRESENT VALUE

A Intervention site. Artificial Regeneration.

1	Name and Location of Plantation Unit / intervention site.	Co. 70/Udh. Morh Slip				
2	Description of site					
a	Forest Type / species composition.	The Proposed site is devoid of vegetation due to cutting/widening of National Highway-44. However, the existing crops in and surrounding area are mostly Chir, Anardana, Sisoo, Melia & Nerium etc.				
b	Density / Crown Cover	Less than 2%				
c	Slope / erosion status / soil condition.	The soil is loose with gravels having moderate to steep slopes, scanty rainfall, often come across with landslides.				
d	Factors of degradation of the forest	The main reason is widening of four laning of National Highway.				
3	Working Plan Prescription for the intervention site.	The proposed interventions are in consonant with the working plan prescription.				
4	Consultation with Panchayat (specific comments / requirements of Panchayat)	The proposed interventions are made in consultation with the panchayats of respective area.				
5	Problem analysis.	To recommend practical solutions for stabilization of slopes along the National Highway is to use combination of native species of trees, bushes and grasses, being cost effective, easy to maintain and is in harmony with the surrounding area. Beside this, adopt minor engineering works as well.				
6	Proposed intervention and estimate cost					
#	Item of work	Description / type of work	Unit	Quantity	Rate	Estimated Cost.
e	Soil Conservation works					
i	Supply of FYM	Purchase of Farm yard manure from local villagers which includes all operations viz: collection, loading/ unloading, MT carriage, headload and its spreading on the surface etc.	Nos	5	5000	25000.000
ii	Sand Bags	A sand bag is made up of poly propylene or jute or other materials that is filled with sand or soil and places in trenches across the slopes to stabilize soil from erosion.	Nos	1000	70	70000.000
iii	Check Dam	A small dam constructed across a drainage ditch or channel to lower the velocity of run off which allows sediments to settle out.	Nos	2	90000	180000.000
8	Photographs of the site	Attached.				
9	Site inspection report and name / designation of officer having inspected.	The inspection of site has been done by the field staff headed by Sh. Manak Singh, Range Officer, Butote-Udhampur sector.				
10	Over-lapping with works done / proposed under any other scheme (Yes/No)	No.				


 Project Officer
 National Highway Project,
 Butote

Office Address

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Jammu & Kashmir Forest Department Office of the Pr. Chief Conservator of Forests & HoFF Government of Jammu & Kashmir

Annexure-D

Summary of Additional Annual Plan of Operations (APOs) under CAMPA for the FY 2021-22

S.No	Direction of the Steering Committee	Proposed Activity/location in the APO	Physical targets	Financial (Rs. in Lakhs)	Implementation Agency								
1.	To undertake plantations in and around cities, schools, office premises and along highways/ roads – by social Forestry Department	<p>Institutional Plantation at: Srinagar-SP College, Amar Singh college, Industrial Area Khanmoh, Industrial Area Zakura, University Kashmir, NIFT Rangreth, Defence land Baramulla, Degree College Barmulla. Jammu – JDA Park, Agriculture seed Centre & Revenue Complex Golegujral, Bhagwati severage Line, Hr. Sec. School Paloura, Resham Ghar Bakshi Nagar & different Institutions of Government / Private in Jammu Municipal Area.</p> <p>Strip Plantation at: Jammu- Purmandal, New Bahu Port, Barain to Bara near Shiv Mandhir. Udhampur Katra Reasi Road, DDC Office Udhampur to Main Gate to Sheep husbandry Area, Gujjar Hostel Mahore, Balaspur, Nakki Balpur, Manthal Kali Mata Mandir, Bayee, Thoru Druni Nallah, Mani Patiyar, Mani, Thoru Kathua Totli, Chu Nallah, Dadwara, Dharmakote, Pakhi, Ambica Mata Pongran, Hatli, Kalyar near High School. Baramulla- Behbal Ajus road, Mangam to Tangmarg road, Jasharie Baramulla road side (Chinar Park)</p>	<table border="1"> <tr> <td>Area (In Ha) =</td> <td>19.22</td> </tr> <tr> <td>Plantation (in lakh Nos) =</td> <td>1.64</td> </tr> <tr> <td>Fencing (In Lakh rft) =</td> <td>0.30</td> </tr> <tr> <td>Plant Production (In lakh Nos) =</td> <td>1.84</td> </tr> </table>	Area (In Ha) =	19.22	Plantation (in lakh Nos) =	1.64	Fencing (In Lakh rft) =	0.30	Plant Production (In lakh Nos) =	1.84	100.00	Social Forestry Department
Area (In Ha) =	19.22												
Plantation (in lakh Nos) =	1.64												
Fencing (In Lakh rft) =	0.30												
Plant Production (In lakh Nos) =	1.84												

S.No	Direction of the Steering Committee	Proposed Activity/location in the APO	Physical targets		Financial (Rs. in Lakhs)	Implementation Agency
2	To secure forest lands vulnerable to encroachment, particularly around cities/ towns by Jammu Forest Division	Chain link / barbed wire fencing with toe wall and planting at: Toll Plaza Nagrota, Dungian Jakti, Near Bermini Top and road side, Near firing range Sunjwan, Tootan wali Khad, Chatta SRK top hill flat, Chatta near Temple area, Green Hills cloney, Lakkar Mandi. Sunjwan, Ploura near Kheri, Paloura near Roopnagar, Paloura near Janipur Construction of anti encroachment posts/ Chowkis at Chatta, Bathendi, Dungian, Bajalta	Area (In Ha)	459.50	1000.00	Forest Division Jammu
		Plantation (in lakh Nos)	0.29			
		Fencing (In Lakh rft)	0.77			
		Plant Sowing(Patches In lakh Nos) Plants	0.29			
		Plant Production (Palnts In lakh Nos)	4.53			
		Soil & Moisture Conservation Works in Forests				
		DRSM (In Cum)	1200			
		Crates (In Nos)	10			
		WHS (In Nos)	6			
3.	To undertake land slips stabilization and soil conservation works along the vulnerable section of National Highway	<p>Batote Forest Division: Sarga (Comptt. 23b/Btt-I), Dhalwas (Comptt. 23b/Btt-II), Peerah (23a/Btt,23a/Btt-I & 28/Btt), Nashri (22b/Btt & 22b/Btt-I) by Batote Forest Division</p> <p>Ramban Forest Division: Monkey Morh, Phagalla, Battery Chashma old dumping site, Anokhi fall dumping site, Anokhi fall uphill side, Digdole Nallah dumping site, Kella Morh dumping site Digdole Army Camp, Trishul Morh, Mehar, Mehar near Shamshan Ghat, Kishtwari Pathar, Sherbibi (Murdad Morh)</p> <p>National Highway 1A Project: Bali Nallah, Dogra-II, Adjacent to Nashri Tunnel, Kundi-II, Neera (Mehar), Panthyal, Dargali (Khoura), Darshi Pura, Nashri Near Check post & Near Sumit Dhaba, Sarga, Champa, Tringla, Amrit Cheshma, Kothri, Champadri-I & II, Arse Nallah, Morh Passi Lower, Kaa Morh (Down side), Gaiti Nallah, Digog Nallah, Shaitan Nallah</p> <p>Udhampur Forest Division: Along the National Highway from Udhampur-Jakhani-Moud-Chenai-Batna (viz Salora, Kali Mata Mandir, Near Mand Nursery,Near Sharda Mata Mandir, Dharmathal, Moud, Salora-Manthal- Bikhangala Mand Udhampur</p>	Area (In Ha)	131.39	600.00	Batote Forest Division
		Plantation (In lakh Nos)	3.43			
		Fencing (In Lakh Rft)	0.68			
		Seed Balls (In lakh Nos)	0.72			
		Broadcasting of Seed (In Kg)	86			
		Plant Production (Plants in Lakhs No.)	0.57			
		Patch Sowing (In Lakh Patches)	0.39			
		Fodder/Pasture Development (Patches in Lakh No.)	1.95			
		Soil & Moisture Conservation Works in Forests				
		DRSM (In Cum)	047			
		Crates (In Nos)	1522			
		Land Surface Dressing (Cum)	490			
		Check Dam (In Nos)	6			
		Rock falling protection work	L.S			
				Ramban Forest Division		
					National Highway 1A Project	
						Udhampur Forest Division

S.No	Direction of the Steering Committee	Proposed Activity/location in the APO	Physical targets		Financial (Rs. in Lakhs)	Implementation Agency
4.	To provide forest protection equipments like GPS, Drones other ICT equipments and to strengthen GIS labs	High End Image Processing Mobile Workstations, GNSS Tracking system, GPS, Drones	High end Image Processing Mobile workstations	10	100.00	Deptt. of Ecology, Environment & Remote Sensing P.I Division of Forest Department
			GNSS Tracking	40		
			GPS	200		
			Drones	8		
5	Construction of shelter sheds cum grazing check posts along migratory routes of nomads	Construction of shelter shed cum grazing check posts along migratory routes of nomads at: Sedeve & Hirpora (Shopian), Jawahar Tunnel (Anantnag), Bungus (Kehmil), Trimukhan Top & Z-Gail (Kamraj), Ravil Gund (Sindh Ganderbal), Dum Dum (Pirpanjal Budgam), Langanbal Pahalgam (Lidder) of Kashmir Region, Bhathi and Sewna- Karkool, (Udhampur Forest Division) Shanta Gate, Shiv Garh (Batote Forest Division) Banihal Tunnel, Mager Kote (Ramban Forest Division)	13 Shelter Sheds cum Grazing Check Posts		100.00	Lidder Forest Division Anantnag, Forest Division Awantipora Forest Division Pirpanjal Budgam Forest Division Shopian Forest Division Kehmil Forest Division Kamraj Forest Division Sindh Forest Division Shopian Forest Division, Udhampur Forest Division Ramban Forest Division Batote Forest Division

Annual Plan of Operations (APO) for the year 2021-22 of Jammu and Kashmir State

(I)	Site Specific Activities as per Section 6(a) of the CAF Act, 2016	Financial Targets (Rs. in Crores)	Remarks
1.	Soil & Moisture Conservation Works in Forests		
a.	Dry Rubble Stone Masonry (DRSM) (In Cum)	0.0931	Soil Conservation works like check dams using Dry Rubble Stone Masonry (DRSM) and crates shall be constructed on the proposed <u>degraded forest sites</u> for compensatory afforestation.
b.	Water Harvesting Structure (WHS) (in Nos)		
2.	Forest Fire Prevention & Control Operations (Fire Management)		
(i)	Fire watchers/other measures	2.00	Seasonal firewatchers are engaged by DFOs/Implementing Agencies for fire prevention and control operations. Seasonal firewatchers are also engaged by the Divisions for manning fire control rooms established during the fire season to prevent fire incidents.
3.	Soil & Moisture Conservation Works in Forests		
(i)	DRSM (In cum)	22.26	<p>1) J&K being a hilly territory, around 2/3rd of the land is affected by one or the other form of erosion, of which nearly 30% is under severe to very severe erosion. Soil and water conservation works <u>in degraded forest areas</u>, which include construction of check dams using DRSM (Dry Rubble Stone Masonry), crate works and other water harvesting structures, are integral part of all afforestation works. These works are being executed by Soil and Water Conservation Department in close coordination with the Forest Department. Detailed cost estimate and location (coordinates/kmz files) are given in the APOs of DFOs/Implementing Agencies. (Details at Annexure A1, A2 & A3).</p> <p>2) NH1A is the main arterial road running from Kathua to Ladakh, which passes through highly unstable mountainous range of geologically recent origin. At times the Highway is closed due to landslides and avalanches, particularly the road stretches passing through Ramban district. The department has started a special project to undertake works related to landside</p>
(ii)	Crates (In Nos)		
(iii)	WHS (In Nos)		
(iv)	Biological Structure (Cum)		
(v)	Crib Structures (In Nos)		

prevention, avalanche protection, increasing vegetal cover, soil moisture conservation, runoff reduction and engineering works, in order to keep the road functional throughout the year and safe for traffic. **Detailed cost estimate and location (coordinates/kmz files) of proposed works are given** in the APO of Project Officer, National Highway at Annexure-B.

3) Treatment of Kandi areas of Jammu Province.

The sub-montane tract lying in the outer Himalayas of Jammu Region- spread over Jammu, Samba and Kathua districts – is locally called Kandi belt. It lies between Ravi River in the east and Munawer Tawi in the west, bounded by Shivaliks in the north, and National Highway NH 1A separates it from the plains. The area has an undulating topography, steep & irregular slopes, erodible and low water retentive soils and badly dissected terrain by numerous Gullies. Total estimated area of Kandi is 812 Sq. km. Due to higher elevation of Kandi area, the surface water and ground water flows towards the plains during rains. Due to these factors, it is a water scarce region. The main sources of water for agriculture are ponds, springs and dug wells, which are in various stages of drying and need maintenance. It is proposed to address these problems by way of improving ground water recharge, decrease the runoff, improving soil moisture regime of the area and increasing vegetative cover by following measures:

- a) By constructing **RCC check dams** at perennial streams for improving ground water recharge, storage of water for longer period of times and to decrease the runoff of streams.
- b) Treatment of the catchment on **watershed basis** through various interventions like **DRSM, vegetative check dams, gully plugging, crates & gabion Structures** to decrease the runoff to arrest silt and to increase the runoff time of the surface water for effective percolation.
- c) **Construction/ Up-gradation** of existing **ponds** and streamlining their catchments for ground water recharge and de-silting to increase water holding capacity, so as to increase availability of water for longer period of time.
- d) Plantation of **sisal**, grasses and good soil binders on loose soil and higher slopes for stabilization.

			<p>Total cost estimate of the above proposed is Rs 15.00 Crore to be implemented in 2021-22 & 2022-23. Of this, an outlay of Rs 8.56 Crore for this project for implementation by Soil & Water Conservation Departments is proposed in the FY 2021-22. <u>Detailed project proposal is given at Annexure-C.</u></p> <p>4) A total of 46755 cum of DRSM, 5289 Nos of crates, 273 Nos of Water Harvesting Structure (WHS)/Ponds, 53467 cum of biological structures and 96 Nos Crib Structures are proposed to be constructed in FY 2021-22. Location/coordinates of soil & moisture conservation works have been given in the site specific APOs of DFOs/IAS.</p>									
4.	LiDAR technology for treatment adopting ridge to valley approach for degraded forests (Reasi and Kamraj Divisions)	10.00	<p>The MoEF&CC vide their letter dated 13th December 2019 sought proposals from the States to submit proposals for the preparation of Detailed Project Report using LiDAR technology for one major ridge area in a forest block for ridge to valley treatment. Accordingly, JK Forest Department submitted two proposals as per details below:</p> <table border="1" data-bbox="778 1144 1493 1368"> <thead> <tr> <th>S.No</th> <th>Location</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Tote Block Reasi Range Reasi Forest Division</td> <td>About 900 mm annual precipitation Northern mixed dry deciduous forest, dry deciduous scrub and Euphorbia scrub</td> </tr> <tr> <td>2</td> <td>Kandi Range Kamraj Forest Division</td> <td>900-1100 mm annual precipitation/ Mixed Conifer with Deodar and Kail</td> </tr> </tbody> </table> <p>Now, MoEF&CC has identified 7634 ha of treatable ware within the proposed catchments with an outlay of 19.56 Cr with per ha cost estimate of Rs 25626.11. The activities for treatment include soil and water conservation measures such as percolation ponds, gully plugging, brushwood check dams, earthen check dams, pakka check dams, DRSM, Crate wire check dams depending on the order of the drains. Afforestation related works are also proposed to be undertaken. The project will be implemented in two financial years, ie, 2021-22 and 2022-23. Accordingly, an amount of 10.00 Cr is proposed for the year 2021-22 for the ridge to valley treatment of the identified catchments.</p>	S.No	Location	Remarks	1	Tote Block Reasi Range Reasi Forest Division	About 900 mm annual precipitation Northern mixed dry deciduous forest, dry deciduous scrub and Euphorbia scrub	2	Kandi Range Kamraj Forest Division	900-1100 mm annual precipitation/ Mixed Conifer with Deodar and Kail
S.No	Location	Remarks										
1	Tote Block Reasi Range Reasi Forest Division	About 900 mm annual precipitation Northern mixed dry deciduous forest, dry deciduous scrub and Euphorbia scrub										
2	Kandi Range Kamraj Forest Division	900-1100 mm annual precipitation/ Mixed Conifer with Deodar and Kail										

5	Protected Areas (National Parks and Wildlife Sanctuaries)		
(i)	Soil & Moisture Conservation measure	2.28	Soil & moisture conservation measures like DRSM, crates, water harvesting structures shall be undertaken in Protected Areas. Location/coordinates of soil & moisture conservation works have been given in the site specific APOs of Wildlife Protection Department.
(ii)	Forest Fire Prevention & Control operations in Protected Areas	1.30	Construction and maintenance of fire lines and engagement of seasonal firewatchers are proposed for fire protection in Protected Areas.

Additional APO for the year 2021-22 of Jammu and Kashmir State CAMPA

1	Activities proposed as per Rule 5(2) of the CAF Rule, 2018	Financial targets (Rs in Crore)	Remarks
a	Artificial/Natural regeneration		
i.	Plantation (in lakh nos)	1.32	<u>Details are given at Annexure-D</u>
ii.	Fencing (in lakh Rft)	9.25	
iii.	Patch Sowing (Patching in lakh nos)	0.05	
iv.	Grass/MFP Slips (in lakh nos)	0.01	
v.	Seed Balls (in lakh nos)	0.03	
vi.	Fodder/Pasture Development (Patches in lakh no.)	0.16	
v.	Plant Production (Plants in lakh no)	0.50	
b	Silvicultural Operation in Forests		
i.	Bush/Lantana Clearance (in Ha)	0.02	
c	Soil and Moisture Conservation Works in Forests		
i.	SMC works/DRSM (in cum)	1.33	
ii.	Crates (in nos)	2.75	
iii.	WHS (in nos)	0.12	
iv.	Land surface dressing (in cum)	0.02	
v.	Check Dam (in nos)	0.05	
vi.	Rock falling protection work/soil erosion control materials/speed barriers	0.35	
2.	Activities as per Rule 5(3) of the CAF Rules, 2018		
	Casual engagement of local people or labours to assist regular staff for works for protection of Forests	0.0125	