

Sindh Forest Division

WORKS PROPOSAL FOR COMPENSATORY AFFORESTRATION OF THE PROPOSED SITE IN COMPTT. 63(A)/SINDH & 65(b)
AGAINST THE Approach road with Avalanches Protection Works from Z-morh Tunnel East Portal to Zojila Tunnel West
Portal LAND DIVERSION CASE

Net Present Value of forest land to be diverted @ Rs.6,99,000/- (Eco Class-VI) = Rs.34,66,3690/-

Number of trees involved in the alignment (30 cm girth and above) = 474 Trees

Total number of plants to be planted in CA for 100 Hacs = 165000 Plants

Labour Rate:- Rs. 330/ day

Rs. In Lacs

S.No.	Item of works	Unit	Unit cost in Rs.	Target	
				Phy.	Fin.
1.0	Area	Hac		100	
2.0	Works				
	<u>Advance Work</u>				
2.1	Chain Link Fencing	Rft	1127	0	0.00
2.2	Angle Iron Fencing	Rft	252	30000	75.60
2.3	Wooden Fencing (including extraction cost of fence posts)	Rft	68.77	0	0.00
	<u>Sub-Total (Fencing)</u>			30000	75.60
	<u>Plant Production</u>				
2.4	Nur.cost of Broad Leaved plants (One Year Old)	Nos.	7.44	0	0.00
2.5	Nur.cost of conifer bag plants (Three Year Old)	Nos.	17.18	165000	28.35
2.6	Nur Cost Of Mediclinal bag Plants (One Year Old)	Nos.	10.69	0	0.00
2.7	Nur Cost Of Fruit Plants (One Year Old)	Nos.	7.44	0	0.00
	<u>Sub Total</u>				28.35
2.8	Establishment of Nurseries	Hac			2.00
	<u>Sub-Total (Plant Production)</u>				30.35
	<u>CREATION</u>				
2.9	<u>Aided Natural Regeneration</u>				
i	Planting (Conifers)	Nos.	29.34	0	0.00
ii	Dibbles	Nos.	7.18	0	0.00
iii	Patches	Nos.	6.99	0	0.00
	<u>Sub Total</u>				0.00
2.10	Pit Planting Broad Leaved	Nos.	23.17	0	0.00
2.11	Trench Planting Broad Leaved	Nos.	42.70	0	0.00
	<u>Sub Total</u>			165000	48.41
2.12	Pit Planting Conifers	Nos.	46.42	0	0.00
2.13	Trench Planting Conifers	Nos.	19.81	0	0.00
	<u>Sub Total</u>				0.00
2.14	Jumper Planting (Willows) Incl.Ext.Charges	Nos.			
2.15	<u>Sowing/Dibbling of already existing old closure</u>	Nos.	6.99	0	0.00
i	Sowing Patches	Nos.	7.18	0	0.00
ii	Dibbles				0.00
	<u>Sub Total</u>				
2.16	<u>Silvi pasture</u>	Nos.	23.17	0	0.00
i	Fodder plants	Nos.	6.99	0	0.00
ii	Fodder patches				0.00
iii	Tending Operation				0.00
iv	Bush/ Lantana clearance				0.00
	<u>Sub Total</u>				

S.No.	Item of works	Unit	Unit cost in Rs.	Target	
				Phy.	Fin.
2.17	Planting of Medicinal plants /Herbs				
i	Medicinal Plants	Nos.	15.95	0	0.00
2.18	Planting of Fruit/ Ornamental plants				
i	Fruit/ Ornamental Plants	Nos.	23.17	0	0.00
3.0	Soil & Moisture conservation works				
3.1	Crates	Nos.	7000.00	25	1.75
3.2	DRSM Works	Cums	1099.00	200	2.20
3.3	Construction of Water harvesting structure	Nos.	3.00	0	0.00
	Sub Total				3.95
4.0	Beating up of Casualties				
i	Conifers	Nos.	29.34	0	0.00
ii	Broad Leaved Plants	Nos.	23.17	0	0.00
iii	Medicinal plants	Nos.	15.95	0	0.00
iv	Fruit/ Ornamental Plants	Nos.	23.17	0	0.00
v	Willow (Incl.Ext.Charges)	Nos.	19.81	0	0.00
vi	Watch & Ward	Nos.	5400.00	0	0.00
	Sub Total			0	0.00
5.0	Protection of Plantation & Forests				0.00
5.1	Management of Forest Boundaries				0.00
5.2	Maintenance of Old Closures	Hac	0.00	0	0.00
5.3	Restoration of Forest Boundaries by eviction of				0.00
5.4	Enforcement of Forest Protection				0.00
5.5	Contingency				0.00
	Sub Total				0.00
6.0	Forest Fire Prevention & Control Operations				0.00
Sub-Total (2 to 6)- i.e Planting Cost					186.65
7.0	Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting material (Form-10)				0.00
8.0	Overhead charges /appreciation including carriage of material through ponies upto site	Hac	0.00	0	10.00
10.0	Construction of View Points	Nos.	0.00	0	
11.0	Provision for installation of Display Boards, Gate photography etc. (Form-7(a)				1.00
12.0	Publicity-cum awareness programme & exhibitions (Form-12)				1.00
Sub-Total (7 to 14)- i.e. Non-Planting Cost					12.00
Proposal for Maintenance of CA for 10 Years (as per Annexure-A)					55.70
Total for main CA					254.35
Extraction/Transportation charges for felling of trees coming under the alignment (as per Annexure-B)					6.962
Additional C.A for 273x2 = 546 Saplings (less than 30 cm girth) (as per Annexure-E)					6.53
Total					267.84
Cost escalation @ 10%					26.78
Total C.A					294.63
Cost/Assessment of Assets to be relocated (as per Annexure-C)					66.58
Net Present Value of forest land to be diverted @ Rs.6,99,000/- (Eco Class-VI)					346.64
Cost evaluation of 474 Trees (30 cm girth and above) (as per Annexure-F)					25.19
Grand Total (Rs.in Lacs)					733.03

Range Officer
Sindh Range Officer
Sindh Range Officer

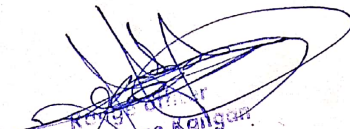
Divisional Forest Officer
Sindh Forest Division
Sindh Forest Division

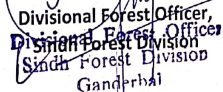
Sindh Forest Division

WORKS PROPOSAL FOR COMPENSATORY AFFORESTRATION OF THE PROPOSED SITE IN COMPTT.
63(A)/SINDH & 65(b) AGAINST THE Approach road with Avalanches Protection Works from Z-morh
Tunnel East Portal to Zojila Tunnel West Portal LAND DIVERSION CASE

		Unit	Target
a)	Total Area to be treated (Hac)	Hacs	100
b)	Fencing @300Rfts/hac	Rfts	30000
	Chainlink fencing(Rfts)	Rfts	0
	Angleiron fencing(Rfts)	Rfts	30000
	Wooden Fencing (Ext.Posts)	Rfts	0
c)	Assis.Nat.Regeneration (hac)	Hacs	0
	Conifer planting @400/hac	No,s	0
	Dibbles @200/hac	No,s	0
	Patches@200/hac	No,s	0
d)	Planting Broad Leaved (hac)	Hacs	0
	Broad Leaved planting @1650/hac	No,s	0
e)	Planting Conifers (hac)	Hacs	100
	Conifer planting @1650/hac	No,s	165000
f)	Sowing dibbling(Hac)	Hacs	
	Dibbles @825/hac	No,s	0
	Patches@825/hac	No,s	0
g)	Trench planting(hac)	Hacs	
	Planting Broad Leaved @200/hac	No,s	0
	Confier @200@hac	No,s	0
h)	Medicinal Plants (Hac)	Hacs	0
	Bag Plants @1200 /Hac	No,s	0
i)	Fruit/ornamental Plants (Hac)	Hacs	0
	Bag Plants @1200 /Hac	No,s	0

Abstract		
Conifers		165000
Broad Leaved		0
Fruit/ Ornamental		0
Medicinal		0


 Range Officer
 Sindh Range Officer

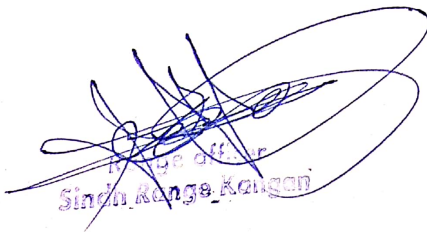

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 Sindh Forest Division
 Gandherai

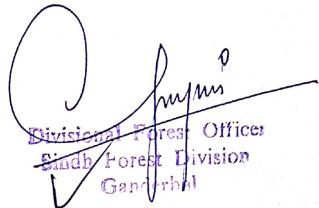
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**WORKS PROPOSAL FOR COMPENSATORY AFFORESTRATION OF THE PROPOSED SITE IN
COMPTT. 63(A)/SINDH & 65(b) AGAINST THE Approach road with Avalanches Protection Works
from Z-morh Tunnel East Portal to Zojila Tunnel West Portal LAND DIVERSION CASE**

Plant Requirement (Target under Nur Cost)

Sector	Species wise Plant Requirement				
	Conifers	B.Leaved	Fruit	Medicinal	S.Total
	No,s	No,s	No,s	No,s	No,s
CAMPA 2020-21	165000	0	0	0	165000
CAMPA BUC	0	0	0	0	0
S.Total	165000	0	0	0	165000
Dist.Plan	0	0	0	0	0
State Plan	0	0	0	0	0
C.M,s Part.Program	0	0	0	0	0
Urban Development	0	0	0	0	0
14th FCA	0	0	0	0	0
others	0	0	0	0	0
TOTAL	165000	0	0	0	165000

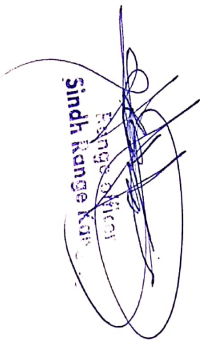

Range Officer
Sindh Range Kanjan

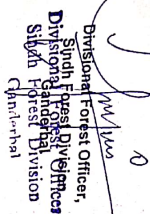

Divisional Forest Officer
Sindh Forest Division
Gandhinagar

Sindh Forest Division

**WORKS PROPOSAL FOR COMPENSATORY AFFORESTATION OF THE PROPOSED SITE IN COMPTT. 63(A)/SINDH & 65(b) AGAINST THE Approach road with
Avalanches Protection Works from Z-moth Tunnel East Portal to Zojila Tunnel West Portal LAND DIVERSION CASE**

Range	Compartment	Total Area of Compartment		Area to be treated	Chain link fencing required	Angle Iron fencing required	Wooden fencing required	Assisted natural regeneration	Plantation		Sowing Dibbling	Patches	Medicinal Plants	Fruit/ Ornamental	Willow Plantation	DRSM	Crate	Longitude	Latitude
		(Hac)	(Hac)						Naked root	Conifer									
Sindh	63(a)/sindh	253	33		0	9900	0	0	0	33	0	0	0	0	0	100	15	34°18' 34.98" N	75°17' 29.92" N
	65(b)/Sindh	487	67		0	20100	0	0	0	67	0	0	0	0	0	100	10	34°17' 16.97" N	75°11' 13.47" N
Total		740	100		0	30000	0	0	0	100	0	0	0	0	0	200	25		


 Divisional Forest Officer,
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WORKS PROPOSAL FOR COMPENSATORY AFFORESTATION OF THE PROPOSED SITE IN COMPTT.
ED/AN/SINDH & 45(b) AGAINST THE Approach road with Avalanches Protection Works from Z-mech Tunnel
East Portal to Zojila Tunnel West Portal LAND DIVERSION CASE

Lab Rate - Rs. 110

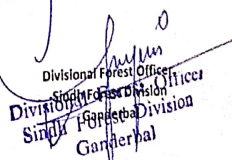
Range: -Sindh Block-Kullian - Sindh Year: 2020-21

Consentment No: 432/Sindh

Area to be treated - 33 Hac

Name of the Scheme "CAMPA"		Objectives of the Scheme To carryout Compensatory Afforestation under forest conservation Act				
S.No.	Description	Area	Unit	Unit Cost	Qty.	Amount
		Hac		Rs.		Rs.
1	Fencing					
	(i) Chain Link Fencing		Rfts	1,127	0	0.00
	(ii) Angle Iron Fencing (six strands)		Rfts	252	9,900	2,494,800.00
	(iii) Wooden Fencing (Ext.Posts)		Rfts	0	0	0.00
	Sub-Total:-					2,494,800.00
2	Assisted Natural Regeneration					
	(i) Planting of Conifer Plants.	0	No's	29.34	0	0.00
	(ii) Dibbles		No's	7.18	0	0.00
	(iii) Patches		No's	6.99	0	0.00
	Sub-Total:-					0.00
3	Pit Planting with Broad Leaved Plants	0	No's	23.17	0	0.00
4	Pit Planting with Conifer Plants	20	No's	29.34	54,450	1,597,563.00
5	Sowing & Dibbling					
	(i) Dibbles	0	No's	7.18	0	0.00
	(ii) Patches		No's	6.99	0	0.00
	Sub-Total:-					0.00
6	Silvipasture					
	(i) Planting of Fodder Plants	0	No's	23.17	0	0.00
	(ii) Fodder Patches		No's	6.99	0	0.00
	Sub-Total:-					0.00
7	Pit Planting With Medicinal Plants	0	No's	15.95	0	0.00
8	Pit Planting With Fruit/ ornamental Plants	0	No's	23.17	0	0.00
9	Willow Jumper Plantig	0	No's	19.81	0	0.00
10	Plant Production					
	(i) Naked Root (Broad Leaved)		No's	7.44	0	0.00
	(ii) Conifer (Poly pots)		No's	17.18	54,450	935,451.00
	(iii) Fruit bearing/ Ornamental Plants		No's	7.44	0	0.00
	(iv) Medicinal Plants		No's	10.69	0	0.00
	Sub-Total:-					935,451.00
11	Soil & Moisture Conservation Works					
	(i) Crates		No's	7,000	15	105,000.00
	(ii) DRSM works		Cum	1,099	100	109,900.00
	Sub-Total:-	0				214,900.00
Total		20				5,242,714.00


Sindh Range Officer


Divisional Forest Officer
Sindh Forest Division
Sindh Forest Division
Gardheral

Sindh Forest Division

WORKS PROPOSAL FOR COMPENSATORY AFFORESTRATION OF THE PROPOSED SITE IN COMPLY.
EXPANSION & 65(b) AGAINST THE Approach road with Avalanches Protection Works from Z-moth Tunnel
East Portal to Zoila Tunnel West Portal LAND DIVISION CASE

Lab. Rate: Rs. 110

Range -Sindh Block-Kullani -Sindh Year: 2020-21

Consentment No. -650/Sindh

Area to be treated - 67 Hec

Name of the Scheme "CAMPA"		Objectives of the Scheme To carryout Compensatory Afforestation under forest conservation Act				
S.No.	Description	Area	Unit	Unit Cost	Qty.	Amount
		Hec		Rs.		Rs.
1	Fencing					
	(i) Chain Link Fencing		Rts	1,127	0	0.00
	(ii) Angle Iron Fencing (six strands)		Rts	252	20,100	5,065,200.00
	(iii) Wooden Fencing (Ext Posts)		Rts	0	0	0.00
	Sub-Total:-					5,065,200.00
2	Assisted Natural Regeneration					
	(i) Planting of Conifer Plants	0	No's	29.34	0	0.00
	(ii) Dibbles		No's	7.18	0	0.00
	(iii) Patches		No's	6.99	0	0.00
	Sub-Total:-					0.00
3	Pit Planting with Broad Leaved Plants	0	No's	23.17	0	0.00
4	Pit Planting with Conifer Plants	20	No's	29.34	110,550	3,243,537.00
5	Sowing & Dibbling					
	(i) Dibbles	0	No's	7.18	0	0.00
	(ii) Patches		No's	6.99	0	0.00
	Sub-Total:-					0.00
6	Silvipasture					
	(i) Planting of Fodder Plants	0	No's	23.17	0	0.00
	(ii) Fodder Patches		No's	6.99	0	0.00
	Sub-Total:-					0.00
7	Pit Planting With Medicinal Plants	0	No's	15.95	0	0.00
8	Pit Planting With Fruit/ ornamental Plants	0	No's	23.17	0	0.00
9	Willow Jumper Planting	0	No's	19.81	0	0.00
10	Plant Production					
	(i) Naked Root (Broad Leaved)		No's	7.44	0	0.00
	(ii) Conifer (Poly pots)		No's	17.18	110,550	1,899,249.00
	(iii) Fruit bearing/ Ornamental Plants		No's	7.44	0	0.00
	(iv) Medicinal Plants		No's	10.69	0	0.00
	Sub-Total:-					1,899,249.00
11	Soil & Moisture Conservation Works					
	(i) Crates		No's	7,000	10	70,000.00
	(ii) DRSM works		Cum	1,099	100	109,900.00
	Sub-Total:-	0				179,900.00
Total		20				10,387,886.00

Range Officer
Sindh Range Kullani

Divisional Forest Officer,
Sindh Forest Division
Ganderal

**WORKS PROPOSAL FOR COMPENSATORY AFFORESTATION OF THE PROPOSED SITE IN COMPTT,
SINHA SINDH & 65(b) AGAINST THE Approach road with Avalanches Protection Works from Z-moth Tunnel East
Portal to Zolla Tunnel West Portal LAND DIVERSION CASE**

Nursery Estimates of Expenditure (2020-21)

A. Funds Available For Nurseries for the year

Sector	Plants to be planted including BUC					Amount Available/Likely to become Available
	Conifers	B.Leaved	Medicinal	Fruit	Total	
	No.s	No.s	No.s	No.s	No.s	
District	0	0	0	0	0	0.00
State (RDF)	0	0	0	0	0	0.00
State (CM.s Participatory Program)	0	0	0	0	0	0.00
CM.s Sp Projects	0	0	0	0	0	0.00
CAMPA (including BUC)	165000	0	0	0	165000	28.35
SFDA						
14th FC Award						
Dev. of Conifers						
Others						
Total	165000	0	0	0	165000	28.35

B. Plantable Plants Available in Nurseries VI-za- vizTargets

Type	Reqd. for Planting	Available in Divisional Nurseries	Excess/Deficit
Nos.	Nos.	Nos.	Nos.
Conifer plants 3 Season old	165000	165000.00	0
Br.Lvd.Plants 1 Season old	0	0	0
Medicinal plants 1 Season old	0	0	0
Fruit plants of Reqd size	0	0	0
Total	165000	165000	0

C. Works to be Executed in Nurseries

Item of Work	Unit	Qty	Rate Rs.	Amount Rs. in Lakhs
Maintenance Of Existing Nurseries				
Maintenance of Conifers in their 1st Year	No.s	165000	2.66	4.39
Maintenance of Conifers in their 2nd Year	No.s	165000	2.66	4.39
Maintenance of Conifers in their 3rd Year	No.s	165000	3.83	6.32
S.Total	No.s	495000		15.10
Maintenance of Br.Lvd.plants in their 1st Year	No.s	0	2.77	0.00
Maintenance of Med.plants in their 1st Year	No.s	0	2.66	0.00
Maintenance of fruit plants in their 1st Year	No.s	0	2.77	0.00
Raising of new Conifers in lieu of plants taken out	No.s	165000	8.03	13.25
Raising of new Br.Lvd.plants in lieu of plants taken out	No.s	0	4.67	0.00
Raising of new Med.plants in lieu of plants taken out	No.s	0	8.03	0.00
Raising of new Fruit/ Ornamental plants in lieu of plants taken out	No.s	0	4.67	0.00
Providing of Shade net structure to nurseries	LS			0.00
Other Misc charges viz casual engagment, Maint, diesel water pump and const. of water reservoir in concrete	LS			2.00
Angle iron fencing	LS			0.00
Purchase of water springle canes and sign boards etc	LS			0.00
Purchase of big Containers / Net shade structures	LS			30.35
Total on Maintenance				
Extension and Formation				
Estb/Ext'n of Nurseries	Hacs	0	302544.00	0.00
Providing of Shade net structure gate etc	No.s	0	8.03	0.00
Raising of new conifer plants	No.s	0	4.67	0.00
Raising of new Br.Lvd plants	No.s	0	8.03	0.00
Raising of new Med plants	No.s	0	4.67	0.00
Raising of new Fruit/ Ornamental plants	No.s	0	0.00	0.00
Fencing of new extended area	Rfts	0	0.00	0.00
Procurement of Fruit/ Ornamental Plants				30.35
Total on Extension				-2.00
G.Total				
Excess/Deficit Funds (A-C)				

Sindh Range Adg. Genl

Divisional Forest Officer
Sindh Forest Division
Ganderal

Format-10

WORKS PROPOSAL FOR COMPENSATORY AFFORESTATION OF THE PROPOSED SITE IN COMPTT. 63(A)/SINDH & 65(b) AGAINST THE Approach road with Avalanches Protection Works from Z-morph Tunnel East Portal to Zojila Tunnel West Portal LAND DIVERSION CASE

Overhead Charges

S.No.	Item	Range	Compt. No.	Location	Year of start	Project cost		Proposed outlay in APO	Present Physical Status	Expected Date of completion
						Estimated	Rs/lacs	Rs/lacs		
1	Overhead charges / appreciation including carriage of material through ponies upto site					10.00		10.00		
Total								10.00		

Range officer
Sindh Range Kangran

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10/11/20
Range Officer
Sindh Forest Division

Proposal for Maintenance of CA for 10 Years

Maintenance proposal for Compensatory Afforestation of the proposed sites in Comptt. 63(a)/Sindh & 65(b)/Sindh against FCA case of Approach road with Avalanches Protection Works from Z-morh Tunnel East Portal to Zojila Tunnel West Portal.

(I) Provision for Beating up of Casualties (BUC) (Plant Maintenance for 03 Years)

Year	Species	Plants to be Planted	BUC Provision		Amount
		No,s	%	No,s	
1st Year (2021-22)	Conifer	165000	0	0	0.00
2nd Year (2022-23)			25%	41250	1210275.00
3rd Year (2023-24)			15%	24750	726165.00
4th Year (2024-25)			5%	8250	242055.00
Total BUC		165000		74250	2178495.00

(II) Provision for Maintenance of Fencing

(II) Provision for Maintenance of Fencing					
Year	Type of Fencing	Fencing to be erected	Provision for Maintenance of fencing		Amount
		Rfts	%	Rfts	
	Angle Iron	30000	0	0	0.00
5th Year (2025-26)			10%	3000	756000.00
6th Year (2026-27)			8%	2400	604800.00
7th Year (2027-28)			6%	1800	453600.00
8th Year (2028-29)			4%	1200	302400.00
9th Year (2029-30)			3%	900	226800.00
10th Year (2030-31)				9300	2343600.00
Total		30000			
Operation (Tending and pruning) of trees after 07 years					

(III) Silviculture Operation (Tending and pruning) of trees after 07 years

Total No. of Trees	Rate/Tree	Total
165000	Rs.6.35/Tree	1047750.00
Grand Total		5569845.00

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Sindh Range Kangan

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Divisional Forest Officer
Sindh Forest Division
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Gandheral

Annexure-B

Extraction/Transportation charges for felling of trees coming under the construction of Approach Road with Avalanches Protection Works from Z-morh Tunnel East Portal to Zojila Tunnel West Portal.

S.No.	Particulars of work	Unit	Rate (In Rs)	Quantity	Amount
1	Extraction of saplings/seedlings coming under the alignment and their transplantation to a suitable site	No's	Rs.40.34/No	0-10=273 trees	11012.82
2	Enumeration of trees/saplings coming under the alignment	No's	Rs. 5.40/No	747 trees	4033.8
3	Marking of trees coming under the alignment	No's	Rs. 9.75/No	747 trees	7283.25
4	Extraction, Conversion, delimbing, debarking and dragging up to KLP and PLP, Passing, Loading at PLP and unloading of timber at destination.-	Cfts	Rs. 60/Cfts	7909 Cfts	474540.00
5	Transportation of timber logs from PLP upto Central Depot Ganderbal average lead 70 Kms @ Rs.0.36/Km/Cfts	Cfts	Rs.25.20/Cft	7909 Cfts	199306.8
Total					696176.67

[Signature]
Sd/- Range Engineer

[Signature]
Divisional Forest Officer
Divisional Forest Officer
Sindh Forest Division
Ganderbal

SINDH FOREST DIVISION GANDERBAL

(Annexure-C)

Cost/Assessment of Assets coming under Approach road with Avalanches Protection Works from Z-morh Tunnel East Portal to Zojila Tunnel West Portal

S.No.	Particulars	Qty. (In Rfts)	Unit Cost	Amount (In Rs.)	Remarks
1	Chain Link Fencing	2275	1127	2563925	The two closures were established during the year 2018-19 & 2019-20
2	Angle Iron Fencing	2100	252	529200	
3	Conifer Plants planted	3000	29.34	88020	
4	Broad Leaved Plants planted	1200	23.17	27804	
5	Conifer Plants Stocked	20000	17.18	343600	Stocked during the year 2019-20
6	Cost/assessment of existing Guard Hut including its new construction.			2500000	As per PWD Schedule of rates
Total				6052549	
Cost escalation @ 10%				605255	
Grand Total				6657804	

Divisional Forest Officer
Sindh Forest Division
Ganderbal

Range Officer
Sindh Range Kangan

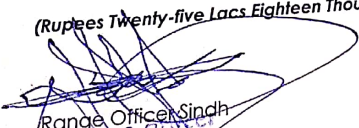
Cost Evaluation of Trees

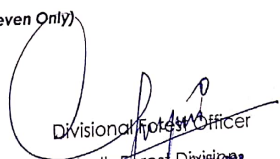
Annexure-E

Species Wise/Dia Class Wise compensation of trees coming under the Construction of Approach road with Avalanches Protection Works from Z-morh Tunnel East Portal to Zojila Tunnel West Portal

S.No.	Comptt. No.	Species	Dia Class	No of Trees	Rate Per Tree (In Rs)	Amount (In Rs.)
1	63(a)/Sindh	Kail	0-10	68	Not applicable	
			10-20	196	2304	451584.00
			20-30	143	4608	658944.00
			30-40	32	8887	284384.00
			40-50	10	15799	157990.00
			50-60	5	26332	131660.00
			60-70	5	38839	194195.00
			70-80	3	51346	154038.00
			80-90	3	62208	186624.00
			90-100	1	71424	71424.00
			100-110	1	78336	78336.00
Sub-Total			467		2369179.00	
2		Fir	0-10	194	Not applicable	
			10-20	54	904	48816.00
			20-30	8	1549	12392.00
			30-40	1	3873	3873.00
			40-50	2	7101	14202.00
			50-60	1	13556	13556.00
			60-70	1	22335	22335.00
		Sub-Total			261	
3		Cuperaus	0-10	9	Not applicable	
4		Willow	10-20	3	2280	6840.00
5	Maple	0-10	2	Not applicable		
		10-20	4	4559	18236.00	
		20-30	1	9118	9118.00	
	Sub-Total			7		27354.00
Total				747		2518547.00

(Rupees Twenty-five Lacs Eighteen Thousand Five Hundred and Forty-seven Only)


Range Officer Sindh
Range Kaghan
Sindh Range Kaghan


Divisional Forest Officer
Sindh Forest Division
Sindh Forest Division
Gandheral

Sindh Forest Division

ADDITIONAL COMPENSATORY AFFORESTRATION

ADDITIONAL COMPENSATORY AFFORESTRATION OF THE PROPOSED SITE IN COMPTT. 63(A)/SINDH FOR 273x2 = 546 TALL SAPLINGS (less than 30 cm girth) COMING UNDER THE ALIGNMENT OF THE PROJECT

Labour Rate:- Rs. 330/ day

S.No.	Item of works	Unit	Unit cost In Rs.	Target	
				Phy.	Fin.
1.0	Area				
2.0	Works	Hac		0.5	
	<u>Advance Work</u>				
2.1	Chain Link Fencing	Rft	1127	0	0.00
2.2	Angle Iron Fencing	Rft	252	894	2.25
2.3	Wooden Fencing (including extraction cost of fence posts)	Rft	68.77	0	0.00
	<u>Sub-Total (Fencing)</u>			894	2.25
	<u>Plant Production</u>				
2.4	Nur.cost of Broad Leaved plants (One Year Old)	Nos.	7.44	0	0.00
2.5	Nur.cost of conifer bag plants (Three Year Old)	Nos.	17.18	546	0.09
2.6	Nur Cost Of Medicinal bag Plants (One Year Old)	Nos.	10.69	0	0.00
2.7	Nur Cost Of Fruit Plants (One Year Old)	Nos.	7.44	0	0.00
	<u>Sub Total</u>				0.00
2.8	Establishment of Nurseries	Hac			0.09
	<u>Sub-Total (Plant Production)</u>				2.00
	<u>CREATION</u>				2.09
2.9	<u>Aided Natural Regeneration</u>				
i	Planting (Conifers)	Nos.	29.34	0	0.00
ii	Dibbles	Nos.	7.18	0	0.00
iii	Patches	Nos.	6.99	0	0.00
	<u>Sub Total</u>				0.00
2.10	Pit Planting Broad Leaved	Nos.	23.17	0	0.00
2.11	Trench Planting Broad Leaved	Nos.	42.70	0	0.00
	<u>Sub Total</u>				0.00
2.12	Pit Planting Conifers	Nos.	29.34	0	0.00
2.13	Trench Planting Conifers	Nos.	46.42	546	0.25
	<u>Sub Total</u>				0.25
2.14	Jumper Planting (Willows) incl.Ext.Charges	Nos.	19.81	0	0.00
2.15	<u>Sowing/Dibbling of already existing old closure</u>				
i	Sowing Patches	Nos.	6.99	0	0.00
ii	Dibbles	Nos.	7.18	0	0.00
	<u>Sub Total</u>				0.00
2.16	<u>Silvi pasture</u>				
i	Fodder plants	Nos.	23.17	0	0.00
ii	Fodder patches	Nos.	6.99	0	0.00
iii	Tending Operation				
iv	Bush/ Lantana clearance				0.00
	<u>Sub Total</u>				0.00


 Range officer
 Sindh Range Kangan

S.No.	Item of works	Unit	Unit cost in Rs.	Target	
				Phy.	Fin.
2.17	Planting of Medicinal plants /Herbs				
i	Medicinal Plants	Nos.	15.95	0	0.00
2.18	Planting of Fruit/ Ornamental plants				
ii	Fruit/ Ornamental Plants	Nos.	23.17	0	0.00
3.0	Soil & Moisture conservation works				
3.1	Crates	Nos.	7000.00	0	0.00
3.2	DRSM Works	Cums	1099.00	0	0.00
3.3	Construction of Water harvesting structure	Nos.	3.00	0	0.00
	Sub Total				0.00
4.0	Beating up of Casualties				
i	Conifers	Nos.	29.34	0	0.00
ii	Broad Leaved Plants	Nos.	23.17	0	0.00
iii	Medicinal plants	Nos.	15.95	0	0.00
iv	Fruit/ Ornamental Plants	Nos.	23.17	0	0.00
v	Willow (Incl.Ext.Charges)	Nos.	19.81	0	0.00
vi	Watch & Ward	Nos.	5400.00	0	0.00
	Sub Total			0	0.00
5.0	Protection of Plantation & Forests				0.00
5.1	Management of Forest Boundaries				
5.2	Maintenance of Old Closures	Hac	0.00	0	0.00
5.3	Restoration of Forest Boundaries by eviction of				0.00
5.4	Enforcement of Forest Protection				0.00
5.5	Contingency				0.00
	Sub Total				0.00
6.0	Forest Fire Prevention & Control Operations				
Sub-Total (2 to 6)- i.e Planting Cost					4.69
7.0	Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting material (Form-10)				0.00
8.0	Overhead charges /appreciation including carriage of material through ponies upto site	Hac	0.00	0	0.10
10.0	Construction of View Points	Nos.	0.00	0	0.00
11.0	Provision for installation of Display Boards, Gate photography etc. (Form-7(a)				0.50
12.0	Publicity-cum awareness programme & exhibitions (Form-12)				0.50
Sub-Total (7 to 12)- i.e. Non-Planting Cost					1.10
Total					5.79
Proposal for Maintenance of ADDITIONAL COMPENSATORY AFFORESTRATION for 07 Year (Enclosed as per Annexure-i)					0.74
Grand Total Additional C.A					6.53

Range officer
Jindh Range Kangari

Divisional Forest Officer
Sindh Forest Division
Gandherbal

Sindh Forest Division

ADDITIONAL COMPENSATORY AFFORESTATION OF THE PROPOSED SITE IN COMPT. 63(A)/SINDH FOR 273x2 = 546 TALL SAPLINGS (less than 30 cm girth) COMING UNDER THE ALIGNMENT OF THE PROJECT

Range	Compartment	Total Area of Compartment		Area to be treated	Chain link fencing required	Angle Iron fencing required	Wooden fencing required	Assisted natural regeneration	Plantation		Sowing Dibbling	Patches	Medicinal Plants	Fruit/ Ornamental	Willow Plantation	DRSM	Crate	Longitude	Latitude
		(Hac)	(Hac)						Naked root	Trench planting Conifer									
Sindh	63(a)/sindh	253	0.5	0	0	894	0	0	0	0.5	0	0	0	0	0	0	0	34°16'12.92"N	75°22'56.32"E
Total		253	0.5	0	0	894	0	0	0	0.5	0	0	0	0	0	0	0		

(Signature)
Range Officer
Sindh Forest Division
Ganderal

(Signature)
Divisional Forest Officer,
Sindh Forest Division
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Sindh Forest Division
ADDITIONAL COMPENSATORY AFFORESTRATION OF THE PROPOSED SITE IN COMPTT. 63(A)/SINDH
FOR 273x2 = 546 TALL SAPLINGS (less than 30 cm girth) COMING UNDER THE ALIGNMENT OF THE
PROJECT

Lab. Rate:-Rs.330

Range:-Sindh Block:-Kullan :-Sindh Year: 2020-21

Compartment No:-63(a)/Sindh

Area to be treated:- 0.5 Hac

Name of the Scheme "CAMPA"		Objectives of the Scheme To carryout Compensatory Afforestation under forest conservation Act				
S.No.	Description	Area Hac	Unit	Unit Cost Rs.	Qty.	Amount Rs.
1	Fencing					
	(i) Chain Link Fencing.		Rfts	1,127	0	0.00
	(ii) Angle Iron Fencing (six strands)		Rfts	252	894	225,288.00
	(iii) Wooden Fencing (Ext. Posts)		Rfts	0	0	0.00
	Sub-Total:-					225,288.00
2	Assisted Natural Regeneration					
	(i) Planting of Conifer Plants.	0	No's	29.34	0	0.00
	(ii) Dibbles		No's	7.18	0	0.00
	(iii) Patches		No's	6.99	0	0.00
	Sub-Total:-					0.00
3	Pit Planting with Broad Leaved Plants	0	No's	23.17	0	0.00
4	Pit Planting with Conifer Plants	20	No's	29.34	546	16,019.64
5	Sowing & Dribbling					
	(i) Dibbles	0	No's	7.18	0	0.00
	(ii) Patches		No's	6.99	0	0.00
	Sub-Total:-					0.00
6	Silviculture					
	Trench Planting Conifers	0.5	Nos.	46.42	546	0.25
	(ii) Fodder Patches	0	No's	6.99	0	0.00
	Sub-Total:-					0.25
7	Pit Planting With Medicinal Plants	0	No's	15.95	0	0.00
8	Pit Planting With Fruit/ ornamental Plants	0	No's	23.17	0	0.00
9	Willow Jumper Planting	0	No's	19.81	0	0.00
10	Plant Production					
	(i) Naked Root (Broad Leaved)		No's	7.44	0	0.00
	(ii) Conifer (Poly pots)		No's	17.18	0	0.00
	(iii) Fruit bearing/ Ornamental Plants		No's	7.44	0	0.00
	(iv) Medicinal Plants		No's	10.69	0	0.00
11	Soil & Moisture Conservation Works					
	(i) Crates		No's	7,000	0	0.00
	(ii) DRSM works		Cum	1,099	0	0.00
	Sub-Total:-	0				0.00
Total		0.5				241,307.89

my us
 Divisional Forest Officer
 Sindh Forest Division
 Ganderal

Annexure-i

Proposal for Maintenance of ADDITIONAL COMPENSATORY AFFORESTRATION for 07 Years

ADDITIONAL COMPENSATORY AFFORESTRATION OF THE PROPOSED SITE IN COMPTT. 63(A)/SINDH FOR 273x2 = 546 TALL SAPLINGS (less than 30 cm girth) COMING UNDER THE ALIGNMENT OF THE PROJECT

(I) Provision for Beating up of Casualties (BUC) (Plant Maintenance for 03 Years)


Year	Species	Plants to be Planted	BUC Provision		Amount
		No,s	%	No,s	
1st Year (2021-22)	Conifer	546	0	0	0.00
2nd Year (2022-23)			25%	137	4004.91
3rd Year (2023-24)			15%	82	2402.95
4th Year (2024-25)			5%	27	800.98
Total BUC		546		246	7208.84

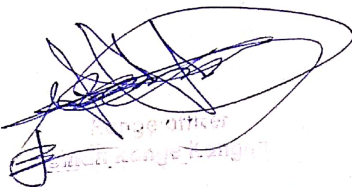
(II) Provision for Maintenance of Fencing

(h) Provision for Maintenance of Fencing					
Year	Type of Fencing	Fencing to be erected	Provision for Maintainnace of fencing		Amount
		Rfts	%	Rfts	
5th Year (2025-26)	Angle Iron	894	0	0	0.00
6th Year (2026-27)			10%	89	22528.80
7th Year (2027-28)			8%	72	18023.04
8th Year (2028-29)			6%	54	13517.28
9th Year (2029-30)			4%	36	9011.52
Total		894		250	63080.64

(III) Silviculture Operation (Tending and pruning) of trees after 10 years

Total No. of Trees	Rate/Tree	Total
546	Rs.6.35/Tree	3467.10
Grand Total		73756.58


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