Full Title of the Project:

Diversion of 0.0774 hect. of Forest land for access to Retail Outlet (Petrol Pump) by BPC Ltd. on Uchana Kalan Nachar Khera road at village Kakrod in Khasra No. 102//24/2 Tehsil Uchana under Forest Division & District Jind.

Online Proposal No. FP/HR/Approach/152870/2022

Date of Proposal:

# **CHECK LIST SERIAL NUMBER:-18**

"SCHEME FOR C.A."

Name of the Forest/Reach to be diverted:

Diversion of 0.0774 hect. of

Forest land for access to Retail Outlet (Petrol Pump) by BPC Ltd. on Uchana

Kalan Nachar Khera road at village Kakrod in Khasra No. 102//24/2 Tehsil

Uchana under Forest Division & District Jind. (Haryana).

Forest Area = 0.0774 hect

Details of degraded forest land/non-forest land where C.A. is to be carried out.

Division Jind District Jind Tehsil Safidon Range Safidon
C.A. Site name: J.P. Railway Line KM 29-30 L&R

Area to be Afforested :-

- a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No):
- b) If the CA site is other than the land bank, reasons be given:- N/A
  In case of non-forest area identified for CA, then what is the distance of CA
  site from the adjoining forest boundary:- N/A
  - i) Soil type:

sandy to sandy loam

- ii) Topography
- a. Hilly/Undulating/Plain:

Plain

b. Slope:-Steep/Medium/Gentle: Gentle

iii) Whether the area is bearing any root stock of vegetation:-

#### Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under;

Schedule of Plantation Programme:-

Detail of year wise break-up of requirements of funds is as under:-

The plantation cost is calculated for Tall Plants norms at 4m x 2½m spacing at the wage rate of Rs. 363.77/- per day as under:-

Year	Rate per Plant
1st Year cost of afforestation	Rs. 527.56/- Per Plant
2 <sup>nd</sup> Year maintenance	Rs. 135.26/- Per Plant
3 <sup>rd</sup> Year maintenance	Rs. 84.75/- Per Plant
4 <sup>th</sup> Year maintenance	Rs. 21.49/- Per Plant
5 <sup>th</sup> Year maintenance	Rs. 21.49/- Per Plant
6 <sup>th</sup> Year maintenance	Rs. 19.52/- Per Plant
7th Year maintenance	Rs. 19.52/- Per Plant
8 <sup>th</sup> Year maintenance	Rs. 19.52/- Per Plant
9 <sup>th</sup> Year maintenance	Rs. 19.52/- Per Plant
10 <sup>th</sup> Year maintenance	Rs. 19.52/- Per Plant
Total	Rs. 888.15 /-

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Area to be Diverted : 0.0774 ha.

No. of Tree to be felled: 2

No. of Plants to be damaged: 21 Nos.

Plants to be Planted under normal CA : 155 Nos. (@ 1000 plants per ha. 0.0774 x 2000 )

Area to be Planted under normal CA: 0.155 ha.

Additional CA is lieu of Plants to be damaged (Double the plants to be

Damaged) = 21 Plants (21 x 2 = 42 No.plants @1000 Plant per hact.)

Area to Planted under Addl. CA: 0.042 hect (@ 1000 plants per ha.)

Total No. of Plants to be Planted (CA+ Addl. CA): 155+42 = 197 Plants

Total Area to be Planted (CA+ Addl. CA) 0.155 + 0.042 = 0.197 ha. (@ 1000 plants per ha.)

	DESCRIPTION		RATE	TOTAL AMOUNT
A	Compensatory Afforestation Charges	No. of	Ť - i	(Rs.)
	(1) 1 <sup>st</sup> Year cost of afforestation	Plants		
	(2) 2 <sup>nd</sup> Year maintenance	155	Rs. 527.56/- Per Plant	8177
	(3) 3 <sup>rd</sup> Year maintenance		Rs. 135.26/- Per Plant	2096
	(4) 4 <sup>th</sup> Year maintenance		Rs. 84.75/- Per Plant	1313
	(5) 5 <sup>th</sup> Year maintenance		Rs. 21.49/- Per Plant	333
	(6) 6 <sup>th</sup> Year maintenance		Rs. 21.49/- Per Plant	333
İ	(7) 7 <sup>th</sup> Year maintenance		Rs. 19.52/- Per Plant	302
	(8) 8 <sup>th</sup> Year maintenance		Rs. 19.52/- Per Plant	302
-	(9) 9 <sup>th</sup> Year maintenance		Rs. 19.52/- Per Plant	302
	(10) 10 <sup>th</sup> Year maintenance		Rs. 19.52/- Per Plant	302
	(15) 15 real maintenance		Rs. 19.52/- Per Plant	302
	Supervisory / Overhead / Miscellaneous Cha	rana	Total	13766
	, say, o terrieda, iviiscenarieous cria	irges	10% on the CA charges	1376
(	11) Barbed wire fencing charge= 0.788 RK	M	Total CA Scheme	15143
	Total (A) C.A. Charges	IVI	Rs.200000/- Per RKM	1576
_	1) 1st Year cost of afforestation	42	Rs. 527.56/- Per Plant	22158
(2	) 2 <sup>nd</sup> Year maintenance		Rs. 135.26/- Per Plant	568
(3)	) 3 <sup>rd</sup> Year maintenance	1	Rs. 84.75/- Per Plant	3560
(4)		1	Rs. 21.49/- Per Plant	903
(5)	5 <sup>th</sup> Year maintenance		Rs. 21.49/- Per Plant	903
(6)	6 <sup>th</sup> Year maintenance		Rs. 19.52/- Per Plant	820
(7)	7 <sup>th</sup> Year maintenance		Rs. 19.52/- Per Plant	820
(8)	8 <sup>th</sup> Year maintenance		Rs. 19.52/- Per Plant	820
(9)	9 <sup>th</sup> Year maintenance		Rs. 19.52/- Per Plant	820
(10)	10 <sup>th</sup> Year maintenance		Rs. 19.52/- Per Plant	820
			Total	37305
Super	visory / Overhead / Miscellaneous Charge	es	10% on the CA charges	3731
			Total ACA Scheme	41036
(11) Ba	arbed wire fencing charge= ORKM		Rs.200000/- Per RKM	
Total	(B) A.C.A. Charges			4103
				4103

er,

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С	Penal CA Charges				.701	-
	(1) 1 <sup>st</sup> Year cost of afforestation	0	Rc	527.56/- Per Plant	0	-  '
	(2) 2 <sup>nd</sup> Year maintenance	Ü	Rs	135.26/- Per Plant	0	4
	(3) 3 <sup>rd</sup> Year maintenance			84.75/- Per Plant	0	4
	(4) 4 <sup>th</sup> Year maintenance			21.49/- Per Plant	0	
	(5) 5 <sup>th</sup> Year maintenance			21.49/- Per Plant	0	
	(6) 6 <sup>th</sup> Year maintenance			19.52/- Per Plant	0	
	(7) 7 <sup>th</sup> Year maintenance			19.52/- Per Plant	0	
	(8) 8 <sup>th</sup> Year maintenance			19.52/- Per Plant	0	
	(9) 9 <sup>th</sup> Year maintenance			19.52/- Per Plant	0	
	(10) 10 <sup>th</sup> Year maintenance			19.52/- Per Plant	0	
	(11) Barbed wire fencing charge= 0 RKM	<u>л</u>		200000/- Per RKM	0	
	Total (C) Penal C.A. Charges	v1	113. 4	200000/ 1 01 1111111	0	
	, and and get					
D (	Catchment Area Treatment					
<b>—</b>	Soil and Moisture Conservation charges		П	30% of the Total CA &	52491	
	a server varion charges			ACA amount		
T	Total (D)				52491	
E S	Safety Zone (if required)				0	
F A	Additional Charges (If required) Qty			Rate		
	survey and Demarcation				20000	
P	Purchase of Tractor Grass Cutter 3 No.				0	
	ractor 1 No.				0	
Ti	rolly & Tanker				0	
	Total	(F)			20000	
G Po	enalty for violation as provision B(i) of M		etter	Actual NPV+ Interest @	o و	
N	lo. 11-42/2014-FC dtwith inter	est. Peri	od of	12% per annum (	)	
vi	iolation from to to					
	No. of days=)					4
i Le	ess 20 % of NPV				0	
	otal NPV+ Interest @12% per annum				0	
Fe	elling charges = 2 No. trees Class III Vol	. 1.14 m	13	Rs.1200 /- per m <sup>3</sup>	1368	
				I		- 1

#### Technical details:-2.

Technical details of Compensatory Afforestation Scheme are as follows:-

a) General Details:-

Plantation will be done with 3 strand barbed wire.

b) Spacement:-

4 × 2½ meter

c) Species:-

Shisham (Dalbergia sisoo), Kikar (Acacia nilotica), Neem (Azadirachta india), Jamun/ Jamoa (Syzygium cumini, Bel Pathar (Aegle marmelos), Lasora (Cordia myxa), Arjun (Terminalia arjuna), Siris (Albizia lebbeck).

d) Plantation Method:-

**ANR** Plantation

- e) Soil and Moisture Conservation Works
- f) Protection (Fencing, Watch man, People's Participation etc.):- Fencing
- g) Proposed Monitoring Mechanism:- (M&E),
- h) Any Other information:- Nil.

Place: Jind

Note: CF (T) should countersign this C.A. scheme if area to be afforested is more than 5 hectare.

Divisional Forest Officer

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Full Title of the Project:

Diversion of 0.0774 hect. of Forest land for access to Retail Outlet (Petrol Pump) by BPC Ltd. on Uchana Kalan Nachar Khera road at village Kakrod in Khasra No. 102//24/2 Tehsil Uchana under Forest

Division & District Jind.

Online Proposal No. FP/HR/Approach/152870/2022

Date of Proposal:

## CHECK LIST SERIAL NUMBER: 18 (A)

### " AMOUNT OF NET PRESENT VALUE "

Description	Rate per Hect.	Total Amount
Net Present Value of Forest Land to be diverted <b>0.0774 ha</b>	957780/- per hect	74132-00

Vegetation Density	0.3		
ECO Class	Ш		
Trees Effectd	2 Nos	Class III	Neem & Kikar species tree

Place: Jind

Divisional Times Division

Jind.

Jind.

Dated ...... Office Seal......

## Cost Statement of Plantation (Tall Plants) under CA scheme during the year 2020-21 at a wage rate of Rs. 363.77/- per day No. of Plants per RKM = 1000, spacing =4m plant to plant

	Sr. No.	Item of Work	Unit	Qty.	Rate / Unit (Rs.)	Amount (Rs.)
13	$\frac{\text{st ye}}{1}$	Jungle clearance			onit (KS.)	
_			На	1.6	5456.55	8730.48
_	2	Upreooting of Stumps	Hect.	1	L/s	100000.00
	-	Ploughing with Harrow/ rotavator by Hired tracto 3 times.= $(1x3=3 \text{ hect}) = 3x10000 = 30000 \text{ mtr}$ @111.30/ mtr.	r Hect.	3	11130/ hect.	33390.00
	4	Dag bailing and alignment	RKM	3	254.63	040.20
	5 I	Digging of pits 1000x0.6mx0.6mx0.6m	m <sup>3</sup>	216	154.60	8 <b>40.2</b> 8 33393.60
6	5 F	Raising of plants in nursery (30cmx45cm) .000+20% extra	Nos	1200	92.49	110988.00
7	L	oading and unloading of plants in tractor/cart	Nos	1100	2.74	3014.00
8		arriage of plants	Nos	1100	22.85	25135.00
9		arriage of plants from pit to pit	LS			2500.00
10	Pla	anting of seedling & including 10% replacement	Nos	1100	14.56	16016.00
11	Ap; ure	plication of fertilizer (one time DAP+One time	Nos	2000	0.72	1440.00
2	Irri,	gation 5 times	Nos	5000	5.47	27350.00
3	Pur	chase of Water	L/s			10000.00
4   F	First	t weeding and hoeing	Nos	1000	7.26	7260.00
S	Subs	requent weeding and hoeing 5 times	Nos	5000	5.47	27350.00
N	lew	long fencing	mtr	100	16.12	1612.00
Cl	hhap	pa binding around plants	No.	1000	16.14	16140.00
Mi	isce	llaneous expenditure	LS			20000.00
pro	otec	of wages of protection watcher (one tion watcher for six months for plantation 5 RKM)	LS			13094.00
Tot	-	25 0 4004				458253.30
		PF @ 13%				
		SI @ 3.25%				
	-	component 50% of total				3723
ddea	d Cor	ntractor profit @ 7% of total				3207
		Net Total				527564.1

	Jungle clearance			And the property of the state o	the contract of the second of
NATE OF		Ha	0.5	\$456.55	Andrew Control of the
	Ploughing with Harrow/ rotavator by Hired tractor  1 times.= (1x1=1 hect) = 1x10000	Miles and the state of the stat	Transportation of the same	3436.55	2720.2
	1 times.≈ (1x1=1 hect ) =1x10000 = 10000 mfr.	Hect.	1	11130/	11130.0
elainus	Pagenting			hect.	
	reopening of pits 200x0.6mx0.6mx0.6m	-			
	Raising of plante to	m³	43	72.75	3142,6
Marca	(30cmx45cm)	Nos	240	02.40	Mileday or Mileday or Construction of the Cons
,	Loading and unloading of plants in tractor/cart		240	92.49	22197.6
)	Complex ( )	Nos	220	2.73	(00
)	Carriage of plants	To be a second s	The second second		600.6
7	Planting of seedling & including 10% replacement	Nos	220	22.85	5027.0
o tresio	merdding 10% replacement	Nos	220	14.56	3203.2
3	Irrigation 4 times				3203.2
)	weeding and hoeing 4 times	Nos	4000	5.47	21880.0
0	Purchase of Water	Nos	4000	5.47	21880.0
1	Chhapa binding around plants	L/s			10000.0
2	Miscellaneous expenditure	No.	500	16.14	8070.0
3	Cost of wages of protection	LS			1086.0
	protection watcher for six months for plantation	LS			6547.0
	area or To KKM				
-	Total				115100
	Added EPF @ 13%				117492.4
	Added ESI @ 3.25%				
	of wages component 50% of total		-		95
	Added Contractor profit @ 7% of total				82
	Net Total				135263.2
·d	year maintenance				133203.2
1	Jungle clearance	На	0.5	5456.55	2728.2
2	Ploughing with Harrow/ rotavator by Hired tractor	Hect.	1	11130/	11130.0
_	1 times.= $(1x1=1 \text{ hect}) = 1x10000 = 10000 \text{ mtr.}$	.,,,,,	•	hect.	11130.0
	@111.30/ mtr.			noct.	
3	reopening of pits 100x0.6mx0.6mx0.6m	m <sup>3</sup>	22	72.75	1571.4
	and the second s	Nos	120	CONTRACTOR	The second second second second second
4	Raising of plants in nursery (30cmx45cm)	1402	120	92.49	11098.8
	:100+20% extra  Loading and unloading of plants in tractor/cart	Nos	110	2.73	300.3
5	Carriage of plants	Nos	110	22.85	2513.5
5 7	Carriage of plants Carriage of plants from pit to pit	LS	manuscript The American		500.0
7	Planting of seedling & including 10% replacement	Nos	100	14.56	1456.0
	realiting of securing & motors,				
)	Irrigation 3 times	Nos	3000	4.56	13680.0
1	weeding and hoeing 3 times	Nos	3000	5.47	16410.0
1	Chhapa binding around plants	No.	300	16.14	4842.0
3	Miscellaneous expenditure	LS			840.0
1	Cost of wages of protection watcher (one	LS			6547.0
	protection watcher for six months for plantation				
	area of 10 RKM)		grin con en de la colección de la respecta	American state (1864 a. in comment 4 sector (1867 a. in co	724172
	Total	us house part of the provincial			73617.2
	IULAI			1	Market Street Control of the Control
-	Added EPF @ 13%	A STATE OF THE PARTY OF THE PAR	Committee of the Commit	ELECTRIC SEASON SERVICE CONTRACTOR SERVICE SER	
	Added EPF @ 13% Added ESI @ 3.25%				505
	Added EPF @ 13%				598 515

H	r maintenance arrowing in Plantation 3 times	and the second desiration of the second desira	Manage Control of the		
E	xpenditure on classic			Angin ng init bada ganada na 455,5 na ga ag kapitan na biyan na n	THE PROPERTY OF THE PROPERTY O
3 N	xpenditure on cleaning, pruning and thinning	Ha.	3	1713.42	5140.20
-	bruning and the state of the st	LS		0.00	3526.00
	V 141			and the second s	10000.00
	dded EPF @ 13%				18666.26
- A	dded ESI @ 3.25%				
0	of wages component 50% of total				111 1 <sub>1</sub> 11 111 111 111 111 111 111 111 1
-	Added Contractor profit @ 7% of total				151
	Net Total				130
th ye	ar maintenance				21489.53
1	Harrowing in Plantation 3 times	Ha.			
4	Expenditure on cleaning prunise Living		3	1713.42	5140.20
3	Misc. Expenditure on cleaning, pruning and thinning	LS		0.00	3526.00
	10tal				10000.00
	Added EPF @ 13%				18666.26
	Added ESI @ 3.25%				
	of wages component 50% of total				
	Added Contractor profit @ 7% of total				151
	Net Total				130
6th y	ear maintenance				21489.53
1	Harrowing in Plantation 2 times	Ha.		1712 (2	
2	Expenditure on cleaning, pruning and thinning	LS	2	0.00	3426.8
3	Misc. Expenditure on cleaning, pruning and thinning			0.00	3526.0 10000.0
	Total				16052.0
	Added EPF @ 13%				16952.84
	Added ESI @ 3.25%				
	of wages component 50% of total				137
	Added Contractor profit @ 7% of total				118
_	Net Total				19516.9
	year maintenance	,			
1	Harrowing in Plantation 2 times	Ha.	2	1713.42	3426.8
3	Expenditure on cleaning, pruning and thinning	LS		0.00	3526.0
	Misc. Expenditure on cleaning, pruning and thinning				10000.0
	Total				16952.8
	Added EPF @ 13%				
	Added ESI @ 3.25%				
	of wages component 50% of total				13'
	Added Contractor profit @ 7% of total				11
	Net Total				19516.9
8th	year maintenance		1		
1	Harrowing in Plantation 2 times	Ha.	2	1713.42	3426.
2	Expenditure on cleaning, pruning and thinning	LS		0.00	3526.
3	Misc. Expenditure on cleaning, pruning and thinning				10000.
	Total				16952
	Added EPF @ 13%				
	Added ESI @ 3.25%				
-	of wages component 50% of total				
-	Added Contractor profit @ 7% of total				
	Net Total		_		1951

9th ye	ear maintenance				
1	Harrowing in Plantation 2 times	The state of the s		КРЭН (УКИМЕЦИО) <del>ТРЭ ФТРОЧИЙНИЕ СООЙ В</del> ИТЕЛЬНОГО ПОТОТИТЕЛЬНО	
2	Expenditure on cleaning, pruning and thinning	Ha.	2	1713.42	3426.84
3	Misc. Expenditure on cleaning, pruning and thinning	LS	and a compact of the second section of the second s	0.00	3526.00
	or praining and thinning	The state of the s	***************************************	***************************************	10000.00
	Total				20000.00
divinidante di Samen	Added EPF @ 13%			The second of the second secon	16952.84
	Added ESI @ 3.25%		Mr. V.Com have a grand of the Control of the Contro	No. of Control of Cont	10,02.0
	of wages component 50% of total			***************************************	
	Added Contractor profit @ 7% of total			***************************************	1377
	Net Total			***************************************	1187
10th	year maintenance		-		19516.96
1	Harrowing in Plantation 2 times	,			
2	Expenditure on cleaning, pruning and thinning	Ha.	2	1713.42	3426.84
3	Misc. Expenditure on cleaning, pruning and thinning	LS		0.00	3526.00
	, bruning, pruning and thinning				10000.00
	Total				
	Added EPF @ 13%				16952.84
	Added ESI @ 3.25%				
	of wages component 50% of total				
	Added Contractor profit @ 7% of total				1377
	Net Total				1187
	Act Total				19516.96
	ABSTRACT OF COST NORMS				
	The state of the s				
	YEAR OF PLANTATION	Cos	t (Rs.)	Cost per	plant (Rs.)
1	FIRST YEAR PLANTATION	-	27564.18		
2	SECOND YEAR MAINTENANCE		135263.21	135.26	
3	THIRD YEAR MAINTENANCE		84751.89		
4	FOURTH YEAR MAINTENANCE	21489.53			
5	FIFTH YEAR MAINTENANCE	21489.53			
6	SIXTH YEAR MAINTENANCE	19516.96 19516.96			
7	SEVENTH YEAR MAINTENANCE	19516.96			
8	EIGHT YEAR MAINTENANCE	-	19516.96		Marine and Control of the Control of
9	NINE YEAR MAINTENANCE		19516.96		
10	TENTH YEAR MAINTENANCE	8	88143.13		
	TOTAL				