Full Title of the Project

:- Construction of LILO from 400 kV D/C Transmission line Lahal to Rajera at Tower 8 to Pothead yard for evacuation of power of JSW ENERGY (KUTEHR) LTD KUTEHR HEP 3 X 80 MW Vill. Machhettar Post Chanhouta, Teh. Bharmour, Distt.

Chamba. (HP)

File No

:-FP/HP/TRANS/130156/2021

Date

:-13/3/2021

Check List Serial No-18

"DETAILED SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 3.7904 Ha of forest area to be diverted in favor of JSW Energy (Kutehr) Ltd for the Construction of 400 Kv D/C Transmission Line from Tower 8 of Lahal Rajera Line to Pothead Yard of Kutehr HEP within the jurisdiction of Bharmour Forest Division in Chamba District, Himachal Pradesh.

1. Details of degraded forest land/non forest land: -

District

Chamba

Village

Grima

Tehsil

Bharmour

Name of Forest Division

Bharmour

Range

Bharmour

Block/Compartment/Survey Sheet no:

52D/11/NW

Area to be afforested

Afforestation will be carried out in

7.60 Ha of DPF Grima

2. Description of area

1)	Whether the site selected for Compensatory Yes Afforestation is a land bank or not						
II)	If the CA site is other than land bank, reasons be NA given						
III)	In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary						
IV)	Soil Type	Clayey Loam					
V)	a) Topography Hilly/undulating/plain	Hilly					
	b) Slope steep/medium/gentle	Medium					
VI)	Whether the area is being any root stock of vegetation	No					

3. Plantation Model: - Departmental

Copy of the approved Compensatory Afforestation scheme/ Model showing component wise physical and financial break up is enclosed

4. Schedule of Plantation Programme:

COST OF COMPENSATORY AFFORESTATION IN LIEU OF DIVERSION OF 3.7904 HAC. OF FOREST LAND FOR THE C/O 409KV D/C TRANSMISSION LINEFROM TOWER NO.8 OF LAHAL RAJERA LINE TO POTHEAD YARD OF KUTEHR HEP IN THE JURISDICTION OF

Norms of plantation and maintenance of old plantation for Non-Tribal and Tribal Areas for the year 2021-22 applicable vide Pr.CCE (HoFF) H.P. Shimla

Total area diverted in hectare			memo.No.	Ft.State (CAMPA/2	010/Norm	s/Vol II a	he year 2021-2 ated 21.06.2021	2 applicabl	e vide Pr.CC	T (HoFF) H P	Shimle		
Area proposed for compensator	n c CC				3.79041	lecture	3/ 1 UI.11 (I	ated 21.06.2021			,,,,,,,	Summa		
Name of proposed plantation area					7.5808 Hac, or say 7.60 Hectare.									
Plants to be planted per Hectare						DPF Grima-7.60 Hac.								
Total number of plants to be planted.					1100									
Year of Execution (Tentative)						8360								
Species to be planted					2022-23									
Particulars of works					Dood. 1	/all - 100	N							
WORKS OF WORKS	Area in	Plantation		Plants to	Total no.	eodar, Kail and OBL Species.								
	Ha.	Norm per			of plants			. otal	Year of	Cost	Add 10%			
		Ha. for the year 2020- 21		planted per Ha.	to be planted	cost per plant	Nursery Cost	Plantation cos + Total nursery cost (Execution of Works	Escalation taking	Escalation for undertaking	Total Amoun (Col. 9+1		
1	2	3	4					Col 4+8)		10% for each subsequent	works in subsequent year			
Initial cost for raising	7.60	98785	750766	<u>5</u> 1100	6	7	8	9	10	11				
compensatory afforestation over			7.50700	1100	8360	28.46	237926	988692	2022-23	10%	98869	13		
an area of 19.00 ha.										.0.0	90809	108756		
Soil & Moisture Conseravtion Wor	ks @ 25% c	of Planting C	ost											
Total - A												271890		
Ist year maintenance	7.60	11380	86488	330	2508	28.46	71378					1359451		
year mannenance	7.60	7675	58330	220	1672	28.46		157866		20%	31573	189439		
Brd year maintenance	7.60	3975	30210	110	836	28.46	47585	105915		30%	31775	137690		
th year maintenance	7.60	3975	30210	110	836	28.46	23793		2025-26	4()%	21601	75604		
th year maintenance	7.60	3975	30210	110	836	28.46	23793		2026-27	50° o	27001	81004		
th year maintenance	7.60	3975	30210	110	836	28.46	23793	54003		60° o	32402	86404		
th year maintenance	7.60	3975	30210	110	836	28.46	23793	54003		70° o	37802	91804		
th year maintenance	7.60	3975	30210	110	836	28.46	23793	54003		80%	43202	97205		
th year maintenance	7.60	3975	30210	110	836	28.46	23793	54003 2		90%	48602	102605		
0th year maintenance	7.60	3975	30210	110	836	28.46	23793	54003 2 54003 2		100%	54003	108005		
otal-B							23173	34003 2	032-33	110%	59403	113405		
otal - A+B												1083164		
Add Contigencies Charges @ 5 %												2442615		
ub Total												122131		
dd Departmental Charges of upervision @17.5 %												2564746 448831		
rand Total					_							1700.1		

5. Technical details:-

Т	echnical details of Compensatory Afforestation	Scheme are as follows:-				
7	General Details.	The land bank identified in Grima DPF 7.60 is blank patch where coniferous & B/leave species will be planted at the pit size 30cmx30cmx30cm and broad leaf at pit size 45cmx45cmx45cm with inward slop. The area will be protected by barbed wire fencing with R.C.C. fence posts.				
b)	Spacing.	3.00m x 3.00m from plant to plant.				
c)	Species.	Conifer:- Deo & Kail, Near 3.00m from Row to Row. Broad Leave:- Ban, HCN, Robinia, Walnut & Chulli.				
d)	Plantation Method.	Contour Planting.				
e)	Soil and Moisture Conservation Works.	Contour Trenches with in the plantation area, check walls / protection walls, check dams as per site requirement.				
f)	Protection (Fencing, Watchman, People's Participation etc.).	Fencing.				
g)	Proposed Monitoring Mechanism.	Department.				
h)	Any other information.	NIL.				

Range Forest Officer, Bharmour Forest Range,

Bharmour mour

Divisional Forest Officer, Bharmour Forest Division Bharmour.