

ANNEXURE-II

**Compensatory Afforestation Scheme in respect of installation of Mobile Tower at Dundungia-2
Compartment, Ghoomsimana Range of Reliance Jio Info comm Limited.**

1	Introduction: Row Lead, Jio Digital Fibre Private Limited, Tower-II, 18 TH Floor, Godrej Water Side Building, Sec-V proposes for diversion of forest land for installation of mobile tower at Dundungia-2 Compartment, under Ghoomsimana Range. The total forest land involved within the jurisdiction of Dundungia-2 Compartment under Ghoomsimana Range comes to 0.01ha . The compensatory afforestation is proposed over double of the degraded forest land i.e on 0.02ha to make good loss of forest area involved at the same to maintain the ecological balance in the area.				
2	Site for compensatory afforestation: The location selected for compensatory afforestation is degraded in Darjeeling Forest division is as follows:-				
	Sl.No.	Block/Comptt.	Area in ha.	Range	Division
	1	Balasan-5	0.02ha.	Ghoomsimana	Darjeeling Forest Division
		Total	0.02ha.		
3	Methodology of work execution: Compensatory Afforestation scheme would be implemented on the line of Integrated Afforestation Programme(IAP) or Joint Forest Management(JFM).with activities like soil & moisture conservation works, monitoring & evaluation along with the maintenance of plantation for a period of five years including barbed wire fencing for the protection of plantation. For support activity of poor JFMC people. Infrastructure development like drinking water facilities, patrolling path, Causeway, culverts etc. has been included.				
4	Block Plantation: An integrated approach with soil & moisture conservation work in area at location specified above is proposed as per working plan prescription. The spacing will be 2.5mx2.5m that is 1600 seedlings/ha. with pit size of 45 cmx45cm.				
3	Fencing & Protection: The area proposed for CA will be fenced with barbed wire to minimize the biotic interference for the better survival and establishment of plantation. Also watch and ward may be done in addition to deployment of forest staff for protection.				
4	Seedling requirement: The seedling requirement will be met from the existing nurseries of this Division on payment basis as per the approved rate.				
5	Choice of Species: The species will be native broad leaved, site specific & as per Working Plan prescription. The list of species to be planted are given below:				
	Scientific name	Vernacular name	Uses		
	<i>Alnus nepalensis</i>	<i>Utish</i>	<i>Multipurpose</i>		
	<i>Acer campbellie</i>	<i>Kapase</i>	<i>Multipurpose</i>		
	<i>Prunus nepalensis</i>	<i>Arupate</i>	<i>Timber & fuelwood, fruit</i>		
	<i>Cryptomeria japonica</i>	<i>Dhupi</i>	<i>Timber</i>		
	<i>Syningtonia populnea</i>	<i>Pipli</i>	<i>Multipurpose</i>		
	<i>Michelia excelsa</i>	<i>Rani Champ</i>	<i>Timber</i>		
	<i>Magnolia campbellie</i>	<i>Ghoge champ</i>	<i>Timber, flowering sp.</i>		
	<i>Quercus pachyphylla</i>	<i>Bante</i>	<i>Timber, fuelwood</i>		
	<i>Q.lammellosa</i>	<i>Buk</i>	<i>Timber</i>		
	<i>Q. lineate</i>	<i>Phalant</i>	<i>Timber</i>		
	<i>Machilus spp</i>	<i>Kawlo</i>	<i>Timber</i>		
	<i>Rhododendron arborium</i>	<i>Lali Gurans</i>	<i>Flowering</i>		
6	Soil & moisture conservation: The soil & moisture conservation work will be approximately 50% of the total area of compensatory afforestation. Light engineering works followed by vegetative measures will be taken up.				
7	JFM Support activity: Support activity like Infrastructure development may be taken up in the forest fringe FPC villages.				
8	Executing agency: The work will be executed with the involvement of respective FPC members of this Division and will be done as per W. Plan prescription under the direct supervision as per Forest(Conservation)Act 1980 cell.				
9	Time Schedule: The work will be executed as per sanction of the proposal & availability of fund from the user agency.				
10	Monitoring & evaluation: The monitoring & evaluation of the work shall be done by the Monitoring Division of the Forest Directorate, Govt. of West Bengal & Ministry of Forest & Environment, Regional Office, GOI.				


 Divisional Forest Officer
 Darjeeling Forest Division

Compensatory Afforestation Cost (CA) for 0.02 ha in connection with diversion of Forest land 0.02 ha for installation of Mobile Tower at Dungdungia-2 Compartment, Ghoomsimana Range of Reliance Jio Infocomm Limited.

ABSTRACT		AREA(ha)	0.02ha.
Year	Activity	Rate in (Rs)/Ha	
Base Year (Y0)	Nursery Advance	65736	1314.72
Year One (Y1)	Nursery maintenance	3806	76.12
Year One (Y2)	Nursery Maintenance	2926	58.52
	Protection and Fencing	L.S 10,000	10,000.00
Year Two (Y2)	Creation	116854	2337.08
	Watch and ward for 5 Years <i>a</i> (for 6 months per year)	50,000(LS)	50,000
Y2	SMC in the site <i>a</i> 15% of creation cost		350.562
Y3	Y1 Maintenance	36297	725.94
Y4	Y2 Maintenance	29174	583.48
Y5	Y3 Maintenance	13128	262.56
Y6	Y4 Maintenance	7562	151.24
Y7	Y5 Maintenance	7720	154.40
Y8	Y6 Maintenance	8338	166.76
Y9	Y7 Maintenance	9004	180.08
Y10	Y8 Maintenance	9725	194.50
Y11	Y9 Maintenance	10504	210.08
Y12	Y10 Maintenance	11343	226.86
	Total cost for raising 0.0756ha CA		66992.90
i)	JFMC support activity <i>a</i> 15% of creation cost		35.562
ii)	Monitoring & Evaluation <i>a</i> 5% of creation cost		116.854
	Total		67460.31
iv)	Contingency <i>a</i> 3% of total		2023.80
			69484.11
	Grand Total	Or say	69490.00

Rupees Sixty Nine Thousand Four Hundred and Ninety only

** 8 % increase in Wage Rate is kept from year 3 to Year 12

Countersigned

[Signature]

Chief Conservator of Forests
Hill Circle, West Bengal

[Signature]
Divisional Forest Officer
Durgelung Forest Division