

**Norms for 160 hect. Compensatory Afforestation plantation in Tinkopani Reserve Forest under Jagun Range against the diversion proposal of 79.5284 ha. Dergaon-Dimapur Natural Gas Pipeline Project by Indradhanush Gas Grid Limited**

Area (ha.)	. =	160
Spacing (m x m)	. =	2 x 2
Number of Saplings/ha	. =	2500
Length of Fence (RM)	. =	9620
Wage rate (Rs.)	. =	273
Increase in wage rate for subsequent years by a factor	. =	1.1
Appreciation of material costs by a factor	. =	1.1


Sl. No.	Particulars of Works	Unit	Qty./ Ha.	Total Qty.	Rate/Unit	Amount (Rs.)
<b>A</b>	<b>ERECTION OF FENCING</b>					
	(a) Cost of full chain link Goat proof fencing (4' ht with 10 guage 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be fitted on pre-cast RCC pillars of specific specification and size as per details specification attached at 2.5 m apart, including transportation, fitting and fixing for 9620 RM @ Rs. 1016/RM as per estimate	RMs		9620	1016	9773920
	<b>Sub Total</b>					<b>9773920</b>
<b>B</b>	<b>INFRASTRUCTURE IN PLANTATION AREA</b>					
	Construction of camp hut with installation of ring/tube well	Nos.		2	150000	300000
	Cost of tools & implements	Nos.		2	5000	10000
	Cost of RCC signboard & gate including fitting & fixing of the same	Nos.		1	30000	30000
	Camp accessories @ Rs.5000/- per camp	Nos.		2	5000	10000
	<b>Sub Total</b>					<b>350000</b>
<b>C</b>	<b>ADVANCE WORK</b>					
	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha.	DLs	20	3200	273	873600
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ha. @ Rs. 8/- per polypot	Nos.	2500	400000	8	3200000
	<b>Preparation of polypot saplings in the field nursery for vacancy filling</b>					
	a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) i.e. 625 seedlings/ha. @ Rs. 8/- per polypot/stump	Nos.	625	100000	8	800000
	b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year) i.e. 500 seedlings/ha @ Rs. 8/- per polypot/stump	Nos.	500	80000	8	640000
	<b>Sub Total</b>					<b>5513600</b>
<b>D</b>	<b>CREATION &amp; 1ST YEAR MAINTENANCE</b>					
	Soil working, carriage of stamps, polypot seedling and planting at the plantation site including, dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 40 DLs/ha	DLs	40	6400	273	1747200
	5 weeding, mulching and fire protection works @ 18 DLs/ha/weeding	DLs	90	14400	273	3931200
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	4	1460	273	398580
	Contingency	LS				7000
	<b>Sub Total</b>					<b>6083980</b>
<b>E</b>	<b>2ND YEAR MAINTENANCE</b>					
	5 weeding, fire protection works @ 10 DLs/ha/weeding	DLs	50	8000	300	2400000
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	1600	300	480000
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	4	1460	300	438000
	Contingency	LS				7000
	<b>Sub Total</b>					<b>3325000</b>
<b>F</b>	<b>3RD YEAR MAINTENANCE</b>					
	4 weedings, fire protection works @ 8 DLs/ha/weeding	DLs	32	5120	330	1689600
	20% Vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha	DLs	8	1280	330	422400
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	4	1460	330	481800
	Contingency	LS				7000
	<b>Sub Total</b>					<b>2600800</b>
<b>G</b>	<b>4TH YEAR MAINTENANCE</b>					
	4 weeding, fire protection works @ 8 DLs/ha/weeding	DLs	32	5120	363	1858560
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	4	1460	363	529980
	Contingency	LS				7000
	<b>Sub Total</b>					<b>2395540</b>
<b>H</b>	<b>5TH YEAR MAINTENANCE</b>					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	800	399	319200

	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	4	1460	399	582540
	Contingency	LS				7000
I	<b>6TH YEAR MAINTENANCE</b>	<b>Sub Total</b>				<b>908740</b>
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	800	439	351200
	Contingency	LS				7000
J	<b>7TH YEAR MAINTENANCE</b>	<b>Sub Total</b>				<b>358200</b>
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	800	483	386400
	Contingency	LS				7000
K	<b>8TH YEAR MAINTENANCE</b>	<b>Sub Total</b>				<b>393400</b>
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	800	531	424800
	Contingency	LS				7000
L	<b>9TH YEAR MAINTENANCE</b>	<b>Sub Total</b>				<b>431800</b>
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	800	584	467200
	Contingency	LS				7000
M	<b>10TH YEAR MAINTENANCE</b>	<b>Sub Total</b>				<b>474200</b>
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	800	642	513600
	Contingency	LS				7000
	<b>Sub Total</b>					<b>520600</b>
	<b>Total</b>					<b>33129780</b>
	<b>50% Overhead Cost</b>					<b>16564890</b>
	<b>Grand Total</b>					<b>49694670</b>

(Rupees Four crores ninety six lakhs ninety four thousand six hundred seventy) only

Particulars of works	Amount (Rs.)
Erection of fencing	9773920
Infrastructure in plantation area	350000
Advance work	5513600
Creation & 1st year maintenance	6083980
2nd year maintenance	3325000
3rd year maintenance	2600800
4th year maintenance	2395540
5th year maintenance	908740
6th year maintenance	358200
7th year maintenance	393400
8th year maintenance	431800
9th year maintenance	474200
10th year maintenance	520600
<b>TOTAL</b>	<b>33129780</b>
<b>Rate per hect. plantation</b>	<b>207061</b>

Technically Approved by

  
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Countersigned by

  
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Submitted by

  
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