

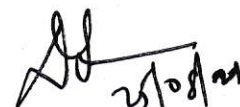
**SCHEDULE OF ADV. WORKS OF PLTN: Detailed Estimate of Production of Quality  
Planting Material/Seedlings in Modern Nurseries**

**FY 2021-22**

SI.	Particular of Work	Unit	Type	Rate (In Rs.)
<b>Advance Component</b>				
1	Cost of making dry and sieved leaf Compost inclusive of all costs	m3	Material	3000.00
2	Cost of coarse Sand (Purchase/Collection, Carriage, Loading, Unloading, drying & sieving all inclusive)	m3	Material	990.00
3	Cost of Burnt Rice Husk/CDM/Vermicompost etc. (Purchase/Collection, Carriage, Loading, Unloading, drying & sieving all inclusive)	m3	Material	1200.00
4	Preparation of potting mixture (Mixing through hand driven Mixture Machine)	m3	Labour	536.00
5	Disinfection of Root Trainer, Filling and keeping filled Root Trainers on stands	for 2000 Seedlings	Labour	536.00
6	Collection of quality Seeds including collection and carriage	for 2000 Seedlings	Material	380.00
7	Drying, Sorting and Pretreatment of Seeds and sowing in Hygropits	for 2000 Seedlings	Labour	268.00
8	Pricking out and transplanting of seedlings in Root Trainers	for 2000 Seedlings	Labour	804.00
9	Supply of insecticides, fungicides, micronutrients, disinfectants, etc.	for 2000 Seedlings	Material	120.00
10	Supply of Sieving nets, water pipes/Can etc.	for 2000 Seedlings	Material	80.00
11	Watering for 90 days (January to March) including watering in Hygropits and Spraying of Insecticides.	for 2000 Seedlings	Labour	1072.00
12	Sorting-shifting, weeding-cleaning as and when required	for 2000 Seedlings	Labour	536.00
13	Contingency	for 2000 Seedlings	Material	249.00
Cost of 2000 seedlings /QPM (Department Rate in Rs)				9771.00
A. Cost of 2000 seedlings/QPM (Tender Rate with 10% Contractor's profit)				10748.10
B. GST (12% of A;				1289.77
C. Total Cost of Work (A+B)				12037.87
D. Labour Cess (1% of C)				120.38
Grand Total (C+D) per 2000 QPM/Seedling (Tender Rate in Rs.) per Ha				12158.25
<b>Grand Total for 11.47 Ha</b>				<b>139455.00</b>

  
26/08/21

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25/08/21

**Divisional Forest Officer,  
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**SCHEDULE OF QGS CREATION OF PLANTATIONS (COMPENSATORY AFFORESTATION)**

	Type of Plantation	OGS SB
	No of seedlings per ha	1600
	No of Seedlings per km for single row for Strip Plantation	
	Spacing per ha	2.5m x 2.5m
	Spacing per km for single row for Strip Plantation	
	Pit Size	60cm. x 45cm. x 45cm
<b>Sl.</b>	<b>Particulars of Work</b>	
<b>A.</b>	<b>Labour Component</b>	
1	Survey and demarcation of the plantation area including GPS Survey by technical Person.	2
2	Burning, removing debris & cleaning of the Pitn site and making inspection path and Alignment of planting lines and staking the pit positions.	14
3	Digging pits (Pit Size = .060 m x .45 m x .45 m)	40
4	Alignment and cutting of contour trench of size 0.45m x 0.45m x 5 mt. total 500 m long per ha= 101. 25 in3 in staggered nnumcr.0.5 mt away from another line for easy movement, Trench kiln: to next trench line distance 10 mt.	20
5	Cutting of Box trench of size 0.60m x 0.60m x 0.45 mt. total 1200 nos per ha	40
6	Digging Cattle proof trench (50 rmt x 1.35 mt x 1.20 mt)	40
7	Filling up of planting pits with dug up pulverized soil, Organic manure, Fungicides, Micro-Nutrients etc and planting	18
8	Carriage of seedlings from nursery to planting site	14
9	Transplanting of potted seedlings including carriage from field nursery to planting site and staking	18
10	1st time weeding cleaning & mulching with application of fertilizer & vacancy filling	18
11	2nd time weeding cleaning & mulching with application of fertilizer & vacancy filing	14
12	3rd time weeding cleaning & mulching without application of fertilizer & vacancy filling	8
13	Making- fire lines 1.501 . wide all ong the periphery and 1.20 mt. with inside pltn.	12
14	Watch Ward from Sep to March	60
15	Sorting, Shifting , Weeding, cleaning and watering of seedlings in nursery (April-June)	15
17	Application of insecticide / Organic manure to the planted seedlings	4
18	Vacancy filling with potted seedlings	6
19	Application organic manure as per dosses prescriber per pit	5
20	Watering to seedlings during dry spell	6

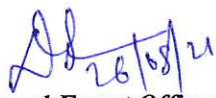


<b>Total Mandays (Nos.)=</b>		<b>354</b>
<b>X.</b>	<b>Cost of Labour Component @ Rs.268/MD for Departmental Work Rs.) =</b>	<b>94872</b>
<b>Add GST.18% (SAC Code: 998519) for Tender Work (Rs.) =</b>		<b>17077</b>
<b>Cost of Labour Component for tender work with GST (Rs.) =</b>		<b>111949</b>
<b>B.</b>	<b>Material Cost (Rs.)</b>	
1	Signages (GST :18%)	590
2	Chemical Fertilizer @ 50 gm DAP/Plant (GST : 5%)	2625
3	Insecticides / Hormones (GST : 18%)	590
4	Organic manure(GST : NA)	1500
5	Barbed wire fencing along boundary trenches (18% GST)	18810
6	Carriage of Seedlings and fertilizer by Truck / vehicle etc.(GST : 18%)	2950
<b>Y.</b>	<b>Total Material Cost without Labour Cess (Rs.) =</b>	<b>27065</b>
<b>X.</b>	<b>Cost of Labour Component for tender work with GST (Rs.) =</b>	<b>111949</b>
<b>Z.</b>	<b>Total Cost (X + Y) =</b>	<b>139014</b>
Contingencies 3 %		3358
Labour Cess 1%		1119
<b>Total =</b>		<b>143491</b>
<b>Add 10% Contactors profit for tender work (Rs.) =</b>		<b>14349</b>
<b>GRAND TOTAL for TENDER WORK with GST (Rs.).</b>		<b>157840</b>
<b>Total for 11.47 Ha. Plantation</b>		<b>1810430</b>

  
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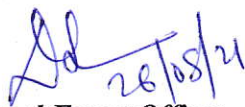
SCHEDULE FOR 1ST YEAR MAINTENANCE OF PLANTATIONS (COMPENSATORY AFFORESTATION)		
Type of plantation		QGS SB
No of seedlings per ha		1600
Spacing per ha		2.5m x 2.5m
Sl. No.	Particulars of Work	
A.	Labour Component	
1	Vacancy infilling and transport of seedlings	6
2	1st weeding, cleaning, mulching, with application of fertilizer	16
3	2nd weeding, cleaning, mulching	14
4	3rd weeding, cleaning, mulching	6
5	Cutting of Firelines (3m wide)	12
6	Watch & Ward	60
7	Application of insecticide and Organic Manure	8
8	Repairing of CPT, Contour Trench and Box Trench	30
9	Raising of seedlings for infilling	12
10	Watering to seedlings during dry spell	5
Total Mandays (Nos.).		169
X.	Cost of Labour Component @ Rs.284/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	47996.00
Add GST.18% (sec Code.: 991579) for Tender Work over X (Rs).		8639.28
Cost of labour Component for tender work with GST Ms.).		56635.28
B. Material Cost (Rs.)		
1	Transport of seedling/fertilizer/water tanker (GST: 18%)	3540.00
2	Cost of fertilizer, cowdung manure etc (GST: 5%)	2100.00
3	Cost of Insecticide (GST: 18%)	590.00
Y.	Total Material Cost without Labour Cess (Rs.) =	6230.00
X.	Cost of Labour Component for tender work with GST (Rs.) =	56635.28
Z.	Total Cost (X + Y) =	62865.28
4	Contingency 3%	1885.96
5	Labour Cess 1%	628.65
Total =		65,380
Add 10% Contactors profit for tender work (Rs.) =		6,538
GRAND TOTAL for TENDER WORK with GST (Rs.) =		71,918
Total for 11.47 Ha. Plantation		824,898

  
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SCHEDULE FOR 2ND YEAR MAINTENANCE OF PLANTATIONS (COMPENSATORY AFFORESTATION)		
Type of plantation		
		QGS SB
No of seedlings per ha		1600
	Spacing per ha	2.5m x 2.5m
Sl. No.	Particulars of Work	
A.	Labour Component	
1	Vacancy infilling and transport of seedlings	6
2	1st weeding, cleaning, mulching, with application of fertilizer	16
3	2nd weeding, cleaning, mulching	12
5	Cutting of Firelines (3m wide)	12
6	Watch & Ward	60
7	Application of insecticide and Organic Manure	6
8	Repairing of CPT, Contour Trench and Box Trench	25
9	Raising of seedlings for infilling	10
10	Watering to seedlings during dry spell	5
Total Mandays (Nos.).		152
X.	Cost of Labour Component @ Rs.301/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	45752.00
Add GST.18% (sec Code.: 991579) for Tender Work over X (Rs.).		8235.36
Cost of labour Component for tender work with GST Ms.).		53987.36
B. Material Cost (Rs.)		
1	Transport of seedling/fertilizer/water tanker (GST: 18%)	2950.00
2	Cost of fertilizer, cowdung manure etc (GST: 5%)	2100.00
3	Cost of Insecticide (GST: 18%)	590.00
Y.	Total Material Cost without Labour Cess (Rs.) =	5640.00
X.	Cost of Labour Component for tender work with GST (Rs.) =	53987.36
Z.	Total Cost (X + Y) =	59627.36
4	Contingency 3%	1788.82
5	Labour Cess 1%	596.27
Total =		62,012
Add 10% Contactors profit for tender work (Rs.) =		6,201
GRAND TOTAL for TENDER WORK with GST (Rs.) =		68,214
Total for 11.47 Ha. Plantation		782,411


  
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SCHEDULE FOR 3RD YEAR MAINTENANCE OF PLANTATIONS (COMPENSATORY AFFORESTATION)		
Type of plantation		
		QGS SB
No of seedlings per ha		1600
	Spacing per ha	2.5m x 2.5m
Sl. No.	Particulars of Work	
A.	Labour Component	
1	Vacancy infilling and transport of seedlings	4
2	1st weeding, cleaning, mulching, with application of fertilizer	14
3	2nd weeding, cleaning, mulching	12
4	Cutting of Firelines (3m wide)	12
5	Watch & Ward	60
6	Application of insecticide	3
7	Repairing of CPT, Contour Trench and Box Trench	20
8	Raising of seedlings for infilling	8
9	Watering to seedlings during dry spell	4
Total Mandays (Nos.).		137
X.	Cost of Labour Component @ Rs.319/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	43703.00
Add GST.18% (sec Code.: 991579) for Tender Work over X (Rs.).		7866.54
Cost of labour Component for tender work with GST Ms.).		51569.54
B. Material Cost (Rs.)		
1	Transport of seedling/fertilizer/water tanker (GST: 18%)	2360.00
2	Cost of fertilizer (GST: 5%)	1050.00
3	Cost of Insecticide (GST: 18%)	590.00
Y.	Total Material Cost without Labour Cess (Rs.) =	4000.00
X.	Cost of Labour Component for tender work with GST (Rs.) =	51569.54
Z.	Total Cost (X + Y) =	55569.54
4	Contingency 3%	1667.09
5	Labour Cess 1%	555.70
Total =		57,792
Add 10% Contactors profit for tender work (Rs.) =		5,779
GRAND TOTAL for TENDER WORK with GST (Rs.) =		63,572
Total for 11.47 Ha. Plantation		729,166



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SCHEDULE FOR 4TH YEAR MAINTENANCE OF PLANTATIONS (COMPENSATORY AFFORESTATION)		
Type of plantation		
		QGS SB
No of seedlings per ha		1600
	Spacing per ha	2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning, mulching, without application of fertilizer	12
2	2nd weeding, cleaning	8
3	Watch & Ward	30
4	Repairing of CPT, Contour Trench and Box Trench	20
5	Cutting of Firelines (3m wide)	10
Total Mandays (Nos.).		80
X.	Cost of Labour Component @ Rs.338/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	27040
Add GST.18% (sec Code.: 991579) for Tender Work over X		4867
Cost of labour Component for tender work with GST Ms.). -		31907
1	Contingency 3%	957
2	Labour Cess 1%	319
GRAND TOTAL for TENDER WORK with GST (Rs.)=		33183
Total for 11.47 Ha. Plantation		380615

  
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**SCHEDULE FOR 5TH YEAR MAINTENANCE OF PLANTATIONS (COMPENSATORY AFFORESTATION)**


Type of plantation		QGS SB
		1600
No of seedlings per ha		2.5m x 2.5m
	Spacing per ha	
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	8
2	2nd weeding, cleaning	6
3	Watch & Ward	25
4	Repairing of CPT, Contour Trench and Box Trench	20
5	Cutting of Firelines (3m wide)	10
Total Mandays (Nos.).		69
X.	Cost of Labour Component @ Rs.358/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	24702.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		4446
Cost of labour Component for tender work with GST Ms.).		29148
1	Contingency 3%	874
2	Labour Cess 1%	291
GRAND TOTAL for TENDER WORK with GST (Rs.)=		30314
Total for 11.47 Ha. Plantation		347705

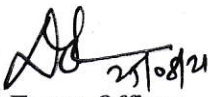
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<b>SCHEDULE FOR 6TH YEAR MAINTENANCE OF PLANTATIONS (COMPENSATORY AFFORESTATION)</b>		
<b>Type of plantation</b>		
		<b>QGS SB</b>
<b>No of seedlings per ha</b>		1600
	<b>Spacing per ha</b>	2.5m x 2.5m
<b>SL.</b>	<b>Particulars of Work</b>	
<b>A.</b>	<b>Labour Component</b>	
1	1st weeding, cleaning	8
2	2nd weeding, cleaning	6
3	Watch & Ward	25
4	Repairing of CPT, Contour Trench and Box Trench	18
<b>Total Mandays (Nos.).</b>		<b>57</b>
<b>X.</b>	<b>Cost of Labour Component @ Rs.379/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)</b>	<b>21603.00</b>
<b>Add GST.18% (sec Code.: 991579) for Tender Work over X</b>		<b>3889</b>
<b>Cost of labour Component for tender work with GST Ms.).</b>		<b>25492</b>
1	Contingency 3%	765
2	Labour Cess 1%	255
<b>GRAND TOTAL for TENDER WORK with GST (Rs.)=</b>		<b>26511</b>
<b>Total for 11.47 Ha. Plantation</b>		<b>304083</b>

  
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<b>SCHEDULE FOR 7TH YEAR MAINTENANCE OF PLANTATIONS (COMPENSATORY AFFORESTATION)</b>		
<b>Type of plantation</b>		
		<b>QGS SB</b>
<b>No of seedlings per ha</b>		1600
	<b>Spacing per ha</b>	2.5m x 2.5m
<b>SL.</b>	<b>Particulars of Work</b>	
<b>A.</b>	<b>Labour Component</b>	
1	1st weeding, cleaning	6
2	2nd weeding, cleaning	5
3	Watch & Ward	25
<b>Total Mandays (Nos.).</b>		<b>36</b>
<b>X.</b>	<b>Cost of Labour Component @ Rs.401/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)</b>	<b>14436.00</b>
<b>Add GST.18% (sec Code.: 991579) for Tender Work over X</b>		<b>2598</b>
<b>Cost of labour Component for tender work with GST Ms.).</b>		<b>17034</b>
1	Contingency 3%	511
2	Labour Cess 1%	170
<b>GRAND TOTAL for TENDER WORK with GST (Rs.)=</b>		<b>17716</b>
<b>Total for 11.47 Ha. Plantation</b>		<b>203201</b>

  
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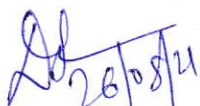


SCHEDULE FOR 8TH YEAR MAINTENANCE OF PLANTATIONS (COMPENSATORY AFFORESTATION)		
Type of plantation		
		QGS SB
No of seedlings per ha		1600
	Spacing per ha	2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	6
2	2nd weeding, cleaning	4
3	Watch & Ward	20
Total Mandays (Nos.).		30
X.	Cost of Labour Component @ Rs.425/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	12750.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		2295
Cost of labour Component for tender work with GST Ms.).		15045
1	Contingency 3%	451
2	Labour Cess 1%	150
GRAND TOTAL for TENDER WORK with GST (Rs.)=		15647
Total for 11.47 Ha. Plantation		179469

  
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SCHEDULE FOR 9TH YEAR MAINTENANCE OF PLANTATIONS (COMPENSATORY AFFORESTATION)		
Type of plantation		
		QGS SB
No of seedlings per ha		1600
	Spacing per ha	2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	5
2	2nd weeding, cleaning	4
3	Watch & Ward	18
Total Mandays (Nos.).		27
X.	Cost of Labour Component @ Rs.450/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	12150.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		2187
Cost of labour Component for tender work with GST Ms.).		14337
1	Contingency 3%	430
2	Labour Cess 1%	143
GRAND TOTAL for TENDER WORK with GST (Rs.)=		14910
Total for 11.47 Ha. Plantation		171023

  
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SCHEDULE FOR 10TH YEAR MAINTENANCE OF PLANTATIONS (COMPENSATORY AFFORESTATION)		
Type of plantation		
		QGS SB
No of seedlings per ha		1600
	Spacing per ha	2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	5
2	2nd weeding, cleaning	4
3	Watch & Ward	16
Total Mandays (Nos.).		25
X.	Cost of Labour Component @ Rs.477/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	11925.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		2147
Cost of labour Component for tender work with GST Ms.).		14072
1	Contingency 3%	422
2	Labour Cess 1%	141
GRAND TOTAL for TENDER WORK with GST (Rs.)=		14634
Total for 11.47 Ha. Plantation		167856


  
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## Abstract of Compensatory Afforestation Cost & SMC Works

SI No.		Work Details	Cost
1	Compensatory Afforestation (CA cost)	Raising seedlings or Nursery	139455
		QGS Plantation creation	1810430
		1st Year maintenance	824898
		2nd Year maintenance	782411
		3rd Year maintenance	729166
		4th Year maintenance	380615
		5th Year maintenance	347705
		6th Year maintenance	304083
		7th Year maintenance	203201
		8th Year maintenance	179469
		9th Year maintenance	171023
		10th Year maintenance	167856
Total =			6040312
2	Associated SMC Works: 25% of CA amount	SMC work in CA Plantation site	1510078
Grand Total: CA cost			7550390

  
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