



Government of West Bengal  
Directorate of Forests

Office of the Principal Chief Conservator of Forests, Head of Forest Force

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No: 5982 / P&S(P)/3D- 554/18-19

Date: 14.09.2018

To :

- 1) The Chief Conservator of Forests, Northern Circle, West Bengal.
- 2) The Chief Conservator of Forests, Hills Circle, West Bengal
- 3) The Chief Conservator of Forests, Western Circle, West Bengal
- 4) The Chief Conservator of Forests, Central Circle, West Bengal
- 5) The Chief Conservator of Forests, South-West Circle, West Bengal
- 6) The Conservator of Forests, North-West Circle, West Bengal
- 7) The Conservator of Forests, South-East Circle, West Bengal
- 8) The Conservator of Forests, Parks & Gardens Circle, West Bengal
- 9) The Conservator of Forests, Soil Conservation (North) Circle, West Bengal
- 10) The Conservator of Forests, Wild Life (North) Circle, West Bengal
- 11) The Conservator of Forests, Research Circle, West Bengal
- 12) CCF & Field Director, B.T.R. West Bengal
- 13) CCF & Field Director, S.T.R. West Bengal
- 14) Joint Director, S.B.R., West Bengal

Sub : Estimates for Advance Work of Plantation 2018-19 (for Creation for 2019-20)

Sir,

Please find enclosed herewith the Estimates for Advance Work of Plantation under State Development Scheme for the FY-2018-19. The Estimates contain the Departmental Rate and Tender Rate for Sal, QGS, CSB, Strip, Misc., Fodder, Bamboo, Mangrove and DPN.

Principal Chief Conservator of Forest,  
General, West Bengal

Encl: As stated above

No: 5983 / P&S(P)/3D- 554/18-19

Date 14.09.2018


Copy forwarded to the CCF/MIS for uploading on the Departmental Website.

Principal Chief Conservator of Forest,  
General, West Bengal

**SCHEDULE OF ADV. WORKS OF PLTN : Detailed Estimate for production of Quality Planting Materials/Seedlings in Modern Nurseries.**

FY: 2018-19					Type of Plantation						
					Sal SB (For 2020)	QGS SB	CSB SB	Strip SB & NB (For 2020)	NB & Hills Sal	NB Misc	Misc Hills
Size of the Root Trainer					500 cc	300 cc	300 cc	500 cc	300 cc	300 cc	300 cc
Sl.	Particulars of Work	Unit	Type	Rate (in Rs.)	Amount per hypopot/QPM/Seedling						
<b>Advance Component</b>											
1	Cost of making dry and seived leaf Compost inclusive of all costs.	m3	Material	3000	1.50	0.90	0.90	1.50	0.90	0.90	0.90
2	Cost of Coarse Sand ( Purchase/Collection, Carraige, Loading, Unloading, drying & seiving all inclusive)	m3	Material	900	0.45	0.27	0.27	0.45	0.27	0.27	0.27
3	Cost of Burnt Rice Husk/CDM/Vermicompost etc. ( Purchase /Collection, Carraige, Loading, Unloading, properly soaked in water and drying all inclusive)	m3	Material	1200	0.60	0.36	0.36	0.60	0.36	0.36	0.36
4	Preparation of potting mixture (Mixing through hand driven Mixture Machine)	m3	Labour	244	0.12	0.07	0.07	0.12	0.07	0.07	0.07
5	Disinfection of Root Trainer, Filling and keeping filled Root Trainers on Stands.	for 2000 Seedlings	Labour	488	0.24	0.24	0.24	0.24	0.24	0.24	0.24
6	Collection of quality Seeds including collection and carriage	for 2000 Seedlings	Material	380	0.19	0.19	0.19	0.19	0.19	0.19	0.19
7	Drying, Sorting and Pretreatment of Seeds and Sowing in Hygropits	for 2000 Seedlings	Labour	244	0.12	0.12	0.12	0.12	0.12	0.12	0.12
8	Pricking out and transplanting of seedlings in Root Trainers	for 2000 Seedlings	Labour	488	0.24	0.24	0.24	0.24	0.24	0.24	0.24
9	Supply of insecticides, fungicides, micronutrients , disinfectants etc.	for 2000 Seedlings	Material	120	0.06	0.06	0.06	0.06	0.06	0.06	0.06
10	Supply of Seiving nets, water pipes/Can etc.	for 2000 Seedlings	Material	80	0.04	0.04	0.04	0.04	0.04	0.04	0.04
11	Watering for 90 days (January to March) including watering in Hygropits and Spraying of insecticides.	for 2000 Seedlings	Labour	976	0.49	0.49	0.49	0.49	0.49	0.49	0.49
12	Sorting-shifting , weeding-cleaning as and when required.	for 2000 Seedlings	Labour	488	0.24	0.24	0.24	0.24	0.24	0.24	0.24
13	Contingency	for 2000 Seedlings	Material	249	0.12	0.12	0.12	0.12	0.12	0.12	0.12
<b>Cost of one seedlings/ QPM(Departmental Rate in Rs.)</b>					<b>4.43</b>	<b>3.36</b>	<b>3.36</b>	<b>4.43</b>	<b>3.36</b>	<b>3.36</b>	<b>3.36</b>
<b>Cost of one seedlings/ QPM (Tender Rate with 10% Contractor's profit)</b>					<b>4.87</b>	<b>3.72</b>	<b>3.72</b>	<b>4.87</b>	<b>3.72</b>	<b>3.72</b>	<b>3.72</b>
<b>GST (12%)</b>					<b>0.58</b>	<b>0.45</b>	<b>0.45</b>	<b>0.58</b>	<b>0.45</b>	<b>0.45</b>	<b>0.45</b>
<b>Labour Cess (1%)</b>					<b>0.05</b>	<b>0.04</b>	<b>0.04</b>	<b>0.05</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>
<b>Grand Total per QPM/Seedling (Tender Rate in Rs.) :</b>					<b>5.50</b>	<b>4.20</b>	<b>4.20</b>	<b>5.50</b>	<b>4.20</b>	<b>4.20</b>	<b>4.20</b>

Note:- i) Sal SB and Strip NB & SB Seedlings to be maintained in nursery for 2 growing seasons.  
ii) Labour rate @ Rs. 244 per MD w.e.f. 01-07-2018

  
 Principal Chief Conservator of Forests  
 General, West Bengal.

**SCHEDULE OF ADV. WORKS OF PLTN : Detailed Estimate for production of Seedlings in Poly-pot**

FY: 2018-19					Type of Plantation						
					Sal SB (For 2020)	QGS SB	CSB SB	Strip SB & NB (For 2020)	NB & Hills Sal	NB Misc	Misc Hills
Size of the Poly-pot					6"X10"	4"X8"	4"X8"	6"X10"	4"X8"	4"X8"	4"X8"
Sl.	Particulars of Work	Unit	Type	Rate (in Rs.)	Amount per Poly-pot/Seedling						
<b>Number of seedlings per Ha.</b>					1600	1600	1600	625	1600	1600	1600
<b>Advance Component</b>											
1	Cleaning of Nursery site, preparation of soil / preparation of bed / mother bed site with bamboo & others	Ha.	Labour	244	0.12	0.14	0.14	0.12	0.14	0.14	0.14
2	Cost of Cow-Dung Manure ( Purchase, Carraige, Loading, Unloading, drying & seiving all inclusive)	m3	Material	1500	1.74	0.33	0.33	1.74	0.33	0.33	0.33
3	Cost of Coarse Sand ( Purchase, Carraige, Loading, Unloading, drying & seiving all inclusive)	m3	Material	800	0.93	0.18	0.18	0.93	0.18	0.18	0.18
4	Cost of good earth ( Collection, Carraige, Loading, Unloading, drying & seiving all inclusive)	m3	Material	300	0.70	0.13	0.13	0.70	0.13	0.13	0.13
5	Preparation of potting mixture (Mixing through hand driven Mixture Machine)	Ha.	Labour	244	0.12	0.14	0.14	0.12	0.14	0.14	0.14
6	Filling of Polypots.	Ha.	Labour	976	0.49	0.54	0.54	0.49	0.54	0.54	0.54
7	Collection of quality Seeds including collection and carriage	Ha.	Material	300	0.15	0.17	0.17	0.15	0.17	0.17	0.17
8	Cost of Making Hygropit/Mother Bed etc.	Ha.	Labour	244	0.12	0.14	0.14	0.12	0.14	0.14	0.14
9	Drying, Sorting and Pretreatment of Seeds and Sowing in Hygropits/Mother Bed.	Ha.	Labour	244	0.12	0.14	0.14	0.12	0.14	0.14	0.14
10	Pricking out and transplanting of seedlings in Root Trainers	Ha.	Labour	488	0.24	0.27	0.27	0.24	0.27	0.27	0.27
11	Supply of insecticides, fungicides, micronutrients , disinfectants etc.	LS	Material	100	0.05	0.06	0.06	0.05	0.06	0.06	0.06
12	Supply of Seiving nets, water pipes/Can etc.	LS	Material	100	0.05	0.06	0.06	0.05	0.06	0.06	0.06
13	Watering for 90 days (January to March) including watering in Hygropits and Spraying of insecticides, Watch & Ward etc.	Ha.	Labour	1464	0.73	0.81	0.81	0.73	0.81	0.81	0.81
14	Sorting-shifting , weeding-cleaning as and when required.	Ha.	Labour	732	0.37	0.41	0.41	0.37	0.41	0.41	0.41
15	Cost of Poly Pot	Kg.	Material	200	0.42	0.17	0.17	0.42	0.17	0.17	0.17
16	Contingency	LS	LS	250	0.13	0.14	0.14	0.13	0.14	0.14	0.14
<b>Cost of one seedling in poly-pot (Departmental Rate in Rs.)</b>					<b>6.48</b>	<b>3.80</b>	<b>3.80</b>	<b>6.48</b>	<b>3.80</b>	<b>3.80</b>	<b>3.80</b>
<b>Cost of one seedlings in poly-pot (Tender Rate with 10% Contractor's profit)</b>					<b>7.13</b>	<b>4.18</b>	<b>4.18</b>	<b>7.13</b>	<b>4.18</b>	<b>4.18</b>	<b>4.18</b>
<b>GST (12%)</b>					<b>0.86</b>	<b>0.50</b>	<b>0.50</b>	<b>0.86</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>
<b>Labour Cess (1%)</b>					<b>0.71</b>	<b>0.42</b>	<b>0.42</b>	<b>0.71</b>	<b>0.42</b>	<b>0.42</b>	<b>0.42</b>
<b>Grand Total per Seedling in Poly-pot (Tender Rate in Rs.) :</b>					<b>8.70</b>	<b>5.10</b>	<b>5.10</b>	<b>8.70</b>	<b>5.10</b>	<b>5.10</b>	<b>5.10</b>

- Note:- i) Sal SB and Strip NB & SB Seedlings to be maintained in nursery for 2 growing seasons  
ii) Labour rate @ Rs. 244 per MD w.e.f. 01-07-2018

*D. Saini*

Principal Chief Conservator of Forests,  
General, West Bengal.

**SCHEDULE OF ADVANCE WORKS OF PLANTATIONS FOR 2018-19**

Labour Rate Rs. 244

		Type of plantation					
		Fooder Plantation		Bamboo Plantation		Mangrove Plantation	
No of seedlings per ha (including 10% casualities)		10000		625		5000	
Spacing per ha		1 m x 1m		4 m x 4 m		NA	
All Estimate targets below per hectare							
Sl.	Particulars of Work ( Advance Component)	Laboue @ M. Days	Amount	M. Days	Amount	M. Days	Amount
A.	Labour						
1	Cleaning Nursery site, preparation of Soil, preparation of bed / mother bed with Bamboo and others	1	244.00	1	244.00	2	488.00
2	Preparation of mother beds/ beds including cleaning etc.	4	976.00	2	488.00	2	488.00
3	Cost of cutting double nodes and laying into beds			2	488.00		
4	Collection of Grass seeds / Slips and processing	8	1952.00				
5	Collection of seeds from high forest					2	488.00
6	Shifting of slips to storage / Other beds	4	976.00				
7	Soeing / dibbling seeds					2	488.00
8	Making of sheds for beds ( cost of covering with thach)	2	488.00				
9	Weeding /cleaning of beds	8	1952.00	2	488.00		
10	Watering of beds	10	2440.00				
11	Manuring / application of organic pesticides / fungicides / hormones at Bamboo nursery etc	2	488.00	0.5	122.00		
12	Labour for brushwood / livehedge fence, covering of double nodes with thach etc including collection of all materials			1.5	366.00		
13	Labour for erection of Power-Fence at Nursery ( withe existing energizer machine and other equipments etc)	4	976.00				
<b>A. Sub-Total ( Labour)</b>		<b>43.00</b>	<b>10492.00</b>	<b>9.00</b>	<b>2196.00</b>	<b>8.00</b>	<b>1952.00</b>
<b>B.</b>	<b>Material Component</b>	Per ha					
14	Material for making temporary sheds	LS	500.00				
15	Cost of Manure/ Organic pesticide / fungicides / hormone etc.	LS	100.00	LS	100.00	LS	100.00
16	Cost of purchase of implements like ropes, axe, sickle, spade, lime powder etc/	LS	82.00				
17	Material for Making Power-Rencing Nursery	LS	1500.00				
18	Cost of sand, cowdung manure, good earth etc	LS	200.00	LS	150.00		
19	Cost of Purchase, carraige, loading & unloading of Bamboo ( 3rd year) old for making double node cutting of purchase of Bamboo- Rhizomes.			LS	2000.00		
<b>B. Sub-Totl ( Material)</b>			<b>2382.00</b>		<b>2250.00</b>		<b>100.00</b>
<b>20</b>	<b>Contingency</b>		<b>78.00</b>		<b>59.00</b>		<b>40.00</b>
<b>Grand Total ( A+B) for Departmental Word (in Rs. Per hectare)</b>			<b>12952.00</b>		<b>4505.00</b>		<b>2092.00</b>
Tender Work ( includes 10% contractors margin) Rs.=			14247.20		4955.50		2301.20
GST (12%) Rs.			1709.66		594.66		276.14
Labour Cess (1%) Rs.			142.47		49.56		23.01
<b>Grand Total for Tender Work ( includes 10% contractors margin) (in Rs.)</b>			<b>16099.34</b>		<b>5599.72</b>		<b>2600.36</b>
<b>or say</b>			<b>16100.00</b>		<b>5600.00</b>		<b>2600.00</b>

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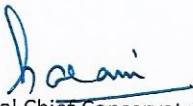
MODEL ESTIMATE FOR **ADVANCE WORK ON DPN DURING** 2018-19

UNIT-2000 seedlings/per Ha

No of seedlings to be raised in Nursery :: 2000 Nos.  
 Wages of Labour :: Rs. 244 per DL  
 Choice of species :: Teak, Mahogini, Sissii, Rosewood, Behera, Karanj, Neem, Peasal, Haritaki, Mahul, Akashmani etc.

<b>A. NURSERY WORK</b>						
01	Cleaning and leveling of Nursery site	::	0.50	DL	Minimum of Rs.3294/- to be paid through online transfer in the beneficiary's account directly	122.00
02	Preparation of mother beds and tube beds of of size 1.20 mt x 5 mt.	::	1.00	DL		244.00
03	Sowing seeds in mother bed	::	0.50	DL		122.00
04	Filling of plythene tube with mixture of Cowdung and good earth in 1:3 ratio	::	4.00	DL		976.00
05	Pricking out of seedlings and dibbing of seeds in tube	::	1.00	DL		244.00
06	Sorting , shifting of seedling	::	1.50	DL		366.00
07	Weeding cleaning forking,application of bio fertilizer, insecticide etc	::	1.00	DL		244.00
08	Water seedling	::	4.00	DL		976.00
<b>Total</b>			<b>13.50</b>	<b>DL</b>		<b>3294.00</b>
<b>B NURSERY WORK MATERIAL COMPONENT :-</b>						
01	Price of water can, water pipe, Bucket etc.	::		Rs.	56	
02	Price of seeds of different species	::		Rs.	200	
03	Price of cowdung over 1 m3.	::		Rs.	350	
04	Price of Insecticide etc.	::			100	
05	Cost of collection of good earth for filling polythene tube with cowdung	::		Rs.	100	
06	Cost of Polypot over 1.25 Kgs	::		Rs.	250	
<b>Total ::</b>				<b>Rs.</b>	<b>1056</b>	
<b>Total Advance Work</b>					<b>Rs.</b>	<b>4350.00</b>

or say Rs. **4,350**(Rs. Four thousand three hundred and fifty) only

  
 Principal Chief Conservator of Forests,  
 General, West bengal