

**SCHEDULE OF CREATION OF PLANTATIONS (2019-20)**

Type of Plantation	Sal SB	QGS SB	CSB SB	Strip SB	Bamboo SB	Bamboo NB	Strip NB	NB & Hills Sal	NB Misc	Misc Hills	Fodder NB, Hills and SB
No of seedlings per ha	1600	1600	1600	625	625	625	625	2500	2500	1600	10000
No of Seedlings per km for single row for Strip Plantation				250			250				
Spacing per ha	2.5m x 2.5m	2.5m x 2.5m	2.5m x 2.5m	4m x 4m	4m x 4m	4m x 4m	4m x 4m	2m x 2m	2m x 2m	2.5m x 2.5m	1mX1m
Spacing per km for single row for Strip Plantation				4m			4m				
Pit Size	60cm. x 45cm. x 45cm.	60cm. x 45cm. x 45cm.	60cm. x 45cm. x 45cm.	60cm. x 60cm. x 45cm.	75cm. x 60cm. x 45cm.	75cm. x 60cm. x 45cm.	60cm. x 60cm. x 45cm.	60cm. x 45cm. x 45cm.	60cm. x 45cm. x 45cm.	60cm. x 45cm. x 45cm.	
Sl.	<b>Particulars of Work</b>										
<b>A. Labour Component</b>											
1	Survey and demarcation of the plantation area including GPS Survey by technical Person										
2	Burning, removing debris & cleaning of the Pltn site and making inspection path										
3	Alignment of planting lines and staking the pit positions										
4	Cost of digging pits										
5	Alignment and cutting of contour trench of size 0.45m x 0.45m x 5 mt, total 500 m long per ha= 101. 25 m <sup>3</sup> in staggered manner. 0.5 mt away from another line for easy movement, Trench line to next trench line distance 10 mt.										
6	Making contour terrace and preplanting cleaning of the terrace.										
7	Sorting, shifting, weeding, cleaning and watering of seedlings in nursery (April-June)										
8	Making inspection path										
9	Making brush wood fencing around the planting area/ barbed wire fencing for Sal, CSB and Strip Plantation										
10	Hoeing & hand weeding of sal line										
11	Digging of trenches for sowing seed over 2500 mt. 0.3 mt. x 0.3 mt.										
12	Filling up of planting pits with dug up pulverized soil, Organic manure, Fungicides, Micro-Nutrients etc										
13	Cost of planting bamboo rhizome/double noded cutting in plantation site over 417 numbers										
14	Hoeing the scouring line along the boundary of the plantation										
15	Cost of carriage of seedlings from nursery to planting site										
16	Dibbling & sowing of sal seeds and hand weeding										
17	Transplanting of potted seedlings including carriage from field nursery to planting site and staking										
18	Cost of making conical shape earthen mounts of dia 1.0 mt. as base over 1600 nos.										
19	Application of insecticide to the planted seedlings										
20	Vacancy filling with potted seedling										
21	Cost of application organic manure as per doses prescriber per pit										
22	1st time weeding cleaning & mulching with application of fertilizer & vacancy filling										

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23	2nd time weeding cleaning & mulching with application of fertilizer & vacancy filling	14	14	8	12	4	10	12	12	14	14	12
24	3rd time weeding cleaning & mulching without application of fertilizer & vacancy filling	10	10	6	10		8	10	10	10	12	10
25	4th time weeding cleaning & mulching without application of fertilizer	8			6		6	8	8	8	10	8
26	5th time weeding cleaning & mulching without application of fertilizer							6	6	6	8	
27	Sowing of Arahar seeds as nurse crop on the ridges of dug up soil along the continuous trenches.	2										
28	Making fire lines 1.50 mt. wide all along the periphery and 1.20 mt. with inside pltn.	4	4	2	2	4	4	2	4	4	4	4
29	Watering to planted seedlings during dry spell for establishment	10			14			12				
30	Cost of watch & Ward from Sep to March	18	18	12	18			18	18	18	18	10
<b>Total Mandays (Nos.)=</b>		<b>223</b>	<b>198</b>	<b>164</b>	<b>143</b>	<b>117</b>	<b>118</b>	<b>156</b>	<b>230</b>	<b>260</b>	<b>226</b>	<b>157</b>
X.	<b>Cost of Labour Component @ Rs.244/MD for Departmental Work (Rs.)=</b>	<b>54412</b>	<b>48312</b>	<b>40016</b>	<b>34892</b>	<b>28548</b>	<b>28792</b>	<b>38064</b>	<b>56120</b>	<b>63440</b>	<b>55144</b>	<b>38308</b>
<b>Add GST.18% (SAC Code: 998519) for Tender Work (Rs.)=</b>		<b>9794</b>	<b>8696</b>	<b>7203</b>	<b>6281</b>	<b>5139</b>	<b>5183</b>	<b>6852</b>	<b>10102</b>	<b>11419</b>	<b>9926</b>	<b>6895</b>
<b>Cost of Labour Component for tender work with GST (Rs.)=</b>		<b>64206</b>	<b>57008</b>	<b>47219</b>	<b>41173</b>	<b>33687</b>	<b>33975</b>	<b>44916</b>	<b>66222</b>	<b>74859</b>	<b>65070</b>	<b>45203</b>
B.	<b>Material Cost (Rs.)</b>											
1	Seeds / Slips (GST : NIL)								2000			2000
2	Chemical Fertilizer @ 50 gm DAP/Plant (GST : 0%)	2500	2500	2000	2000	1000	1000	1500	2500	2000	2500	
3	Insecticides / Hormones(GST : 0%)	1500	1000		1000			1000	1000	500	1000	
4	Organic manure(GST : NA)	500	500	500	500	500	500					1000
5	Signages (GST :18%)	100	100	100	100	100	100	100	100	100	100	100
6	Vegegate Fencing material / Bamboo (LS) / Gabion (GST : NIL)/Energized fencing using used materials		1500							2500	2000	5000
7	Barbed wire fencing	14500		14500	14500			14500	14500			
8	Carriage of Seedlings and fertilizer by Truck / vehicle etc.(GST : 18%)	500	500	500	4000	500	500	4000	500	500	1500	500
9	Contingencies 3 %	2220	1632	1728	1710	919	927	1775	2302	2071	1867	1407
10	Labour Cess 1%	740	544	576	570	306	309	592	767	690	622	469
Y.	<b>Total Material Cost without GST &amp; Labour Cess (Rs.)=</b>	<b>19600</b>	<b>6100</b>	<b>17600</b>	<b>22100</b>	<b>2100</b>	<b>2100</b>	<b>21100</b>	<b>20600</b>	<b>5600</b>	<b>7100</b>	<b>8600</b>
<b>Grand Total for Departmental Work (Rs.)=</b>		<b>76232</b>	<b>56044</b>	<b>59344</b>	<b>58702</b>	<b>31567</b>	<b>31819</b>	<b>60939</b>	<b>79022</b>	<b>71111</b>	<b>64111</b>	<b>48315</b>
<b>Add 10% Contactors profit for tender work (X) (Rs.)=</b>		<b>5441</b>	<b>4831</b>	<b>4002</b>	<b>3489</b>	<b>2855</b>	<b>2879</b>	<b>3806</b>	<b>5612</b>	<b>6344</b>	<b>5514</b>	<b>3831</b>
<b>Grand Total for Tender Work [without GST](Rs.)=</b>		<b>81674</b>	<b>60876</b>	<b>63346</b>	<b>62191</b>	<b>34422</b>	<b>34698</b>	<b>64745</b>	<b>84634</b>	<b>77455</b>	<b>69626</b>	<b>52146</b>
<b>18% GST on item no. B.(5),(7)&amp;(8) for Tender work (Rs.)=</b>		<b>2718</b>	<b>108</b>	<b>2718</b>	<b>3348</b>	<b>108</b>	<b>108</b>	<b>3348</b>	<b>2718</b>	<b>108</b>	<b>288</b>	<b>108</b>
<b>GRAND TOTAL for e-TENDER WORK with GST (Rs.)=</b>		<b>94926</b>	<b>70224</b>	<b>73843</b>	<b>72389</b>	<b>39975</b>	<b>40297</b>	<b>75536</b>	<b>98220</b>	<b>89673</b>	<b>80462</b>	<b>59619</b>

  
 Principal Chief Conservator of Forests &  
 Head of Forest Force, West Bengal

**SCHEDULE OF CREATION OF MANGROVE PLANTATIONS (2019-20)**

		For Sundarban	For Purba Medinipur
	<b>No of seedlings per ha</b>	<b>5000</b>	<b>5000</b>
	<b>Spacing per ha</b>	2m x 1m	2m x 1m
	<b>Pit Size</b>	30cm. x 30cm. x 30cm.	30cm. x 30cm. x 30cm.
Sl.	Particulars of Work	Rate (Rs.)	Rate (Rs.)
<b>A.</b>	<b>Labour Component</b>		
1	Survey and demarcation of plantation area	4	4
2	Alignment and staking planting pits	2	2
3	Collection of mangrove seeds from forest area	10	10
5	Digging of trenches for sowing seeds over 2500 mt 0.3 mt x 0.3 mt	21	21
6	Cost of dibbling seeds and planting wildlings	26	26
7	Cost of 1st infilling	15	15
8	Cost of 2nd infilling	10	10
9	Watch and ward	10	10
10	Making boundary with wooden stick to prevent dragging fishing nets	10	
11	Barbed wire fencing		8
<b>Total Mandays (Nos.)=</b>		<b>108</b>	<b>106</b>
<b>X.</b>	<b>Cost of Labour Component @ Rs.244/MD for Departmental Work (Rs.)=</b>	<b>26352</b>	<b>25864</b>
<b>Add GST.18% (SAC Code: 998519) for Tender Work (Rs.)=</b>		<b>4743</b>	<b>4656</b>
<b>Cost of Labour Component for tender work with GST (Rs.)=</b>		<b>31095</b>	<b>30520</b>
<b>B.</b>	<b>Material Cost (Rs.)</b>		
1	Hiring boats / van for collection and transportation of seeds and labour and during watch and ward and planting	1464	1464
2	Barbed wire fencing		14500
3	Contingency 3%	791	776
4	Labour Cess 1%	264	259
<b>Y.</b>	<b>Total Material Cost without GST &amp; Labour Cess (Rs.)=</b>	<b>1464</b>	<b>15964</b>
<b>Grand Total for Departmental Work (Rs.)=</b>		<b>28607</b>	<b>42604</b>
<b>Add 10% Contactors profit for tender work (X) (Rs.)=</b>		<b>2635</b>	<b>2586</b>
<b>Grand Total for Tender Work [without GST](Rs.)=</b>		<b>31242</b>	<b>45190</b>
<b>18% GST on item no. B.(1)&amp;(2) for Tender work (Rs.)=</b>		<b>264</b>	<b>2874</b>
<b>GRAND TOTAL for e-TENDER WORK with GST (Rs.)=</b>		<b>36512</b>	<b>52978</b>

  
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**Estimate for Creation of DPN for Hills, North Bengal & South Bengal 2019-20**

Estimate for " D.P.Nursery - Creation (For 2000 nos of seedlings).

Sl.	Particulars of Work	No.of MD	Mat.in unit	Rate in Rs.	Amount in Rs.
A	Grant for raising DPN nursery to the respective stake holder (Farmer/JFMC member/ Aranya Bandhu)	16		244.00	3904.00
<b>GRAND TOTAL (1.0 ha)</b>		<b>16</b>			<b>3904.00</b>

Rupees three thousand Nine hundred and Four only

  
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