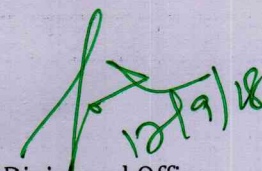
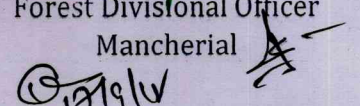


# Unit Cost for Advance Operations for Raising of N.T.S.H. Plantations 3m X 2m. (SMM)

FSR Code	Item of work	Qty	Unit Rate per Ha		
			Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.08.01	Survey with GPS (Only staff to carry out) (Staff to carryout GPS Survey. One manday is allowed for assistance)	1	339.66	Plantatio n	340
02.08.02	Clearing unsalable unwanted jungle growth				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	1887.86	Ha	755
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	2837.66	Ha	1135
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.2	5686.75	Ha	1137
02.08.03	Uprootal of stumps				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	5033.32	Ha	2013
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	9741.86	Ha	3897
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.2	12664.86	Ha	2533
02.08.04	Collection and Removal of uprooted stumps of all sizes				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	5359.33	Ha	2144
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	8504.65	Ha	3402
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.2	9916.46	Ha	1983
	Unit Rate for 2018 -19				19339.00
	Unit Rate for 2019 -20				21272.90
	Unit Rate for 2020 -21				23400.19
	Unit Rate for 2021 -22				25740.21
	Unit Rate for 2022 -23				28314.23
	Unit Rate for 2023 -24				31145.65
	Unit Rate for 2024 -25				34260.22
	Unit Rate for 2025 -26				37686.24
	Unit Rate for 2026 -27				41454.86
	Unit Rate for 2027 -28				45600.35

  
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# Unit Cost for Raising of N.T.S.H. Plantations 3m X 2m. (SMM)

Unit Rate per Ha

Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
02.09.02	<b>Deep Ploughing</b> the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. <b>For untilled areas - Hard Soils</b>	1	4961.06	Ha	4961
02.09.01	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	1	985.70	1	986
02.09.04	© Alignment and staking including laying base line for Misc species with espacement 3mX2m (1666 Nos)	1666	72.88	100	1214
02.09.05	Cost of 0.45 M Stake preparation and transportation to site.	1666	51.65	100	860
02.09.06	© Digging of 60 cm cube size pits - Half of the rate of Rs.9.65 *1.333*1.333*1.333 (Rate for 45 cm cube pit - Rs.9.65 per pit)	1666	11.43	1	19040
01.03.05	Cost and transportation of soil mixtue for filling half of the pit and spreading around the pit - 0.6 cm x 0.6 cm x 0.6 cm = 0.216 cum - 66% of cost	237.505	341.95	cum	81214
	<b>Transportation</b> of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading				
02.09.07	upto 5 Km lead(20X30 cm (8"X12")bag plants)	1666	190.84	100	3179
02.09.08	5 Km to 25 Km lead(20X30 cm (8"X12")bag plants)	1666	148.60	100	2476
	Internal transport of bag plants/root trainers to planting points on head loads.				
02.09.10	20X30 cm (8"X12")bag plants	1666	128.79	100	2146
02.09.11	Cost of SSP, Chloridine dust or Chloropyriphos	1666	2.50	1	4165
	Application of 50gm of SSP per pit	1666	35.62	100	593
	<b>Planting Bag Plants</b>				
02.09.13	Planting in 60 cm <sup>3</sup> Pit (for 45 cm <sup>3</sup> pit - Rs.396.80)	1666	939.86	100	15658
02.15.10	Cost of supporting stake of 2.5 m long sturdy and straight and minimum 10 cm girth at base	1666	15.00	1.00	24990
02.09.14	Watering to the plants - 4 waterings	1666	960.96	100	16010
02.09.15	Replacement of Casualties 20% during Raising & 20% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance)	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above.			
	Pitting	333	5.71	1	1903
	Transportation	333	339.44	100	1130
	Internal Transportation	333	128.79	100	429
	Planting	333	939.86	100	3130
02.09.16	Cost of DAP @25gm / planting point	1666	2.20	1	3665
02.09.11	<b>Application</b> of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers & closing.	1666	35.62	100	593
02.09.18	a) Circular weeding to a radius of 0.50 m around the plant (during July - Aug)	1666	113.34	100	1888
02.09.19	b) Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec.)	1666	595.23	100	9917
02.09.20	(b) Inter ploughing with heavy duty tractor of 55 HP to a depth of 30 cm in Hard Gravelly Soils during Novermber	1	3091.77	1	3092
02.09.21	Prunning of lower branch initials of Timber and NTFP species by scicature upto 1/3rd height (to be during October)	1666	112.68	100	1877
02.09.22	Uprootal of Mahaveera Weed	1	3311.47	1	3311
05.23.05	Formation and maintenance of Inspection Path 4mtr wide	200	238.94	20 Rmt	2389
02.09.24	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> 8340 x 9 = 75060 / 15 = 5004/-	1	5004.00	Ha	5004
	Unit Rate for 2018 -19				215826
	Unit Rate for 2019 -20				237409
	Unit Rate for 2020 -21				261149
	Unit Rate for 2021 -22				287264
	Unit Rate for 2022 -23				315991
	Unit Rate for 2023 -24				347590
	Unit Rate for 2024 -25				382349
	Unit Rate for 2025 -26				420584
	Unit Rate for 2026 -27				462642
	Unit Rate for 2027 -28				508906

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**Unit Cost for 1st Year Maintenance of NTSH Plantation (3m X 2m) SMM per Ha**

FSR Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.10.01	Replacement of Casualties 25% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no casualty replacement for further maintenance) - 25 % proposed	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above.			
02.09.06	© Digging of 60 cm cube size pits - Half of the rate of Rs.9.65*1.333*1.333*1.333 (Rate for 45 cm cube pit - Rs.9.65 per pit)	417	11.43	1	4766
02.09.07	Transportation up 5km	417	190.84	100	796
02.09.08	Transportation beyond 5 Km (25 - 5 ) = 20 KM	417	148.60	100	620
02.09.10	Internal Transportation	417	128.79	100	537
02.09.13	Planting in 60 cm <sup>3</sup> Pit (for 45 cm <sup>3</sup> pit - Rs.396.80)	417	939.86	100	3919
02.15.13	Watering to the plants- 4 times	1666	924.00	100	15394
02.09.16	Cost of DAP @25gm / planting point	1666	1.00	1	1666
02.09.11	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers & closing. -	1666	35.62	100	593
02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	1666	113.34	100	1888
02.10.03	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant during Nov - Dec	1666	595.23	100	9917
02.10.04	Uprootal of Mahaveera (70% of the area)	0.7	3311.47	Ha	2318
02.10.05	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough.	1	2253.79	Ha	2254
02.10.06	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1666	112.68	100	1877
02.10.09	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher 8340 x 12 = 100080 / 15 = 6672/-	1	6672.00	Ha	6672
	Unit Rate for 2018 -19				53217
	Unit Rate for 2019 -20				58539
	Unit Rate for 2020 -21				64392
	Unit Rate for 2021 -22				70832
	Unit Rate for 2022 -23				77915
	Unit Rate for 2023 -24				85706
	Unit Rate for 2024 -25				94277
	Unit Rate for 2025 -26				103705
	Unit Rate for 2026 -27				114075
	Unit Rate for 2027 -28				125483

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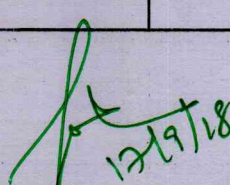
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**Unit Cost for 2nd Year Maintenance of NTSH Plantation (3m X 2m )SMM per Ha**


Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.10.01	Replacement of Casualties 25% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no casualty replacement for further maintenance) <b>5% proposed</b>	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above.			
02.09.06	© Digging of 60 cm cube size pits - Half of the rate of Rs.9.65 *1.333*1.333*1.333 (Rate for 45 cm cube pit - Rs.23.18 per pit)	83	11.428	1	949
02.09.07	Transportation up 5km	83	190.84	100	158
02.09.08	Transportation beyond 5 Km (25 - 5 ) = 20 KM	83	148.60	100	123
02.09.10	Internal Transportation	83	128.79	100	107
02.09.13	Planting in 60 cm <sup>3</sup> Pit (for 45 cm <sup>3</sup> pit - Rs.396.80)	83	939.86	100	780
02.10.05	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough.	1	2253.79	Ha	2254
02.11.01	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1666	595.23	100	9917.00
02.11.02	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1666	112.68	100	1877.00
02.10.04	Uprootal of Mahaveera (60% of the area)	0.6	3311.47	Ha	1987
02.01.03	Formation of Sector Lines / Fire Lines to a width of 3 m by giving surface treatment (sector to be in conformity with slope direction ). All stumps to be cut to ground level.	100	5.55	Rmt	555
02.11.05	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> 8340 x 12 = 100080 / 15 = 6672/-	1	6672.00	Ha	6672.00
	Unit Rate for 2018 -19				25379
	Unit Rate for 2019 -20				27917
	Unit Rate for 2020 -21				30709
	Unit Rate for 2021 -22				33779
	Unit Rate for 2022 -23				37157
	Unit Rate for 2023 -24				40873
	Unit Rate for 2024 -25				44960
	Unit Rate for 2025 -26				49456
	Unit Rate for 2026 -27				54402
	Unit Rate for 2027 -28				59842

  
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**Unit Cost for 3rd Year Maintenance of NTSH Plantation (3m X 2m ) SMM per Ha**

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.01	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1666	595.23	100	9917
02.11.02	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1666	112.68	100	1877
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	551.70	100 Rmt	552
02.11.05	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> 8340 x 12 = 100080 / 15 = 6672/-	1	6672.00	Ha	6672
	Unit Rate for 2018 -19				19018
	Unit Rate for 2019 -20				20919
	Unit Rate for 2020 -21				23011
	Unit Rate for 2021 -22				25313
	Unit Rate for 2022 -23				27844
	Unit Rate for 2023 -24				30628
	Unit Rate for 2024 -25				33691
	Unit Rate for 2025 -26				37060
	Unit Rate for 2026 -27				40766
	Unit Rate for 2027 -28				44843

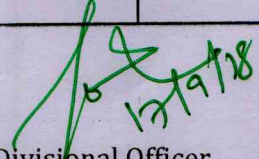
  
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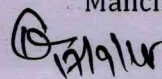
  
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**Unit Cost for 4th Year Maintenance of NTSH Plantation (3m X 2m ) SMM per Ha**

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.01	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1666	595.23	100	9917
02.11.02	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1666	112.68	100	1877
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	551.70	100 Rmt	552
02.11.05	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> 8340 x 12 = 100080 / 15 = 6672/-	1	6672.00	Ha	6672
	Unit Rate for 2018 -19				<b>19018</b>
	Unit Rate for 2019 -20				20919
	Unit Rate for 2020 -21				23011
	Unit Rate for 2021 -22				25313
	Unit Rate for 2022 -23				27844
	Unit Rate for 2023 -24				30628
	Unit Rate for 2024 -25				33691
	Unit Rate for 2025 -26				37060
	Unit Rate for 2026 -27				40766
	Unit Rate for 2027 -28				44843

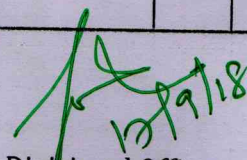
  
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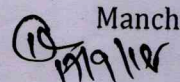
  
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**Unit Cost for 5th Year Maintenance of NTSH Plantation (3m X 2m )SMM per Ha**

FSR Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.01	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick axe only) without damaging the plant. (July-Aug)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	1666	148.81	100	2479
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	331.02	100 Rmt	331
	Unit Rate for 2018 -19				<b>2810</b>
	Unit Rate for 2019 -20				3091
	Unit Rate for 2020 -21				3400
	Unit Rate for 2021 -22				3740
	Unit Rate for 2022 -23				4114
	Unit Rate for 2023 -24				4526
	Unit Rate for 2024 -25				4978
	Unit Rate for 2025 -26				5476
	Unit Rate for 2026 -27				6024
	Unit Rate for 2027 -28				6626

  
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**Unit Cost for 6th Year Maintenance of NTSH Plantation (3m X 2m ) SMM per Ha**

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1666	112.68	100	1877
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	331.02	100 Rmt	331
	Unit Rate for 2018 -19				2208
	Unit Rate for 2019 -20				2429
	Unit Rate for 2020 -21				2672
	Unit Rate for 2021 -22				2939
	Unit Rate for 2022 -23				3233
	Unit Rate for 2023 -24				3556
	Unit Rate for 2024 -25				3912
	Unit Rate for 2025 -26				4303
	Unit Rate for 2026 -27				4733
	Unit Rate for 2027 -28				5206

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**Unit Cost for 7th Year Maintenance of NTSH Plantation (3m X 2m ) SMM per Ha**

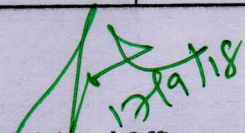
Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.01	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick axe only) without damaging the plant. (July-Aug)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	1666	148.83	100	2480
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	331.02	100 Rmt	331
	Unit Rate for 2018 -19				2811
	Unit Rate for 2019 -20				3092
	Unit Rate for 2020 -21				3401
	Unit Rate for 2021 -22				3741
	Unit Rate for 2022 -23				4116
	Unit Rate for 2023 -24				4527
	Unit Rate for 2024 -25				4980
	Unit Rate for 2025 -26				5478
	Unit Rate for 2026 -27				6026
	Unit Rate for 2027 -28				6628
	Unit Rate for 2027 -28				7291

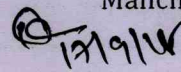
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**Unit Cost for 7th Year Maintenance of NTSH Plantation (3m X 2m ) SMM per Ha**

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.01	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick axe only) without damaging the plant. (July-Aug)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	1666	148.83	100	2480
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	331.02	100 Rmt	331
	Unit Rate for 2018 -19				2811
	Unit Rate for 2019 -20				3092
	Unit Rate for 2020 -21				3401
	Unit Rate for 2021 -22				3741
	Unit Rate for 2022 -23				4116
	Unit Rate for 2023 -24				4527
	Unit Rate for 2024 -25				4980
	Unit Rate for 2025 -26				5478
	Unit Rate for 2026 -27				6026
	Unit Rate for 2027 -28				6628
	Unit Rate for 2027 -28				7291

  
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**Unit Cost for 8th Year Maintenance of NTSH Plantation (3m X 2m ) SMM per Ha**

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1666	112.68	100	1877
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	331.02	100 Rmt	331
	Unit Rate for 2018 -19				2208
	Unit Rate for 2019 -20				2429
	Unit Rate for 2020 -21				2672
	Unit Rate for 2021 -22				2939
	Unit Rate for 2022 -23				3233
	Unit Rate for 2023 -24				3556
	Unit Rate for 2024 -25				3912
	Unit Rate for 2025 -26				4303
	Unit Rate for 2026 -27				4733
	Unit Rate for 2027 -28				5206
	Unit Rate for 2028 -29				5727

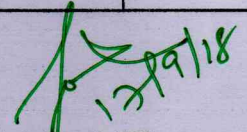
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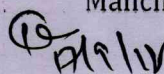
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**Unit Cost for 9th Year Maintenance of NTSB Plantation (3m X 2m )SMM per Ha**

FSR Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.01	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick axe only) without damaging the plant. (July-Aug)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	1666	148.83	100	2480
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and	100	331.02	100 Rmt	331
	Unit Rate for 2018 -19				2811
	Unit Rate for 2019 -20				3092
	Unit Rate for 2020 -21				3401
	Unit Rate for 2021 -22				3741
	Unit Rate for 2022 -23				4116
	Unit Rate for 2023 -24				4527
	Unit Rate for 2024 -25				4980
	Unit Rate for 2025 -26				5478
	Unit Rate for 2026 -27				6026
	Unit Rate for 2027 -28				6628
	Unit Rate for 2028 -29				7291

  
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