

Unit Cost for Raising of Misc., Nursery for the year 2022-23 as per FSR 2022-23

Raising and Conversion Total::	26.85
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f. i. b. o. *[Signature]*
Superintendent

Unit cost for Maint. Of Bag Plant nursery up to planting season (April to July)

Unit Cost Maintenance of Misc., Bag Plants (9x11) Nursery (Apr to Jul = 4 Months) as per FSR 2022-23

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Unit cost per Seedling	6.04
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Sd/- T.Ravi Kiran,
(FAC) District Forest Officer
Mahabubabad

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Superintendent

Unit Cost Maintenance of Misc., Bag Plants (9x11) Nursery (Aug to mar = 8 Months) as per FSR 2021-22

Sl. No.	FSR Code No.	Item of work	Qty		Rate in Rs.			Per		Amount
					Asper FSR	Agency allowance 25%	Total			
1	2	3	4		5	6	7	8		9
	1.05.00	MAINTENANCE OF BAG NURSERY FROM SEPTEMBER ONWARDS TILL DISPOSAL								
1	01.05.01	Watering the plants for 10 m X 1 m size secondary bed	1 x 8	Beds x month	195.29	48.82	244.11	1	Bed/ Month	1953.00
2	01.05.02	Shifting, grading and re-arranging in beds 1st shifting and grading after three months and consecutive shifting and grading after every two months till the nursery stock is lifted for 10 m X 1 m size bed - with prior written permission of Circle Head	1 x 2	Beds x shifting	271.17	67.79	338.96	1	Bed/ shifting	678.00
3	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	1 No.		10137.32					385.20
								S.TOTAL::		3016.20
								Unit Rate as per FSR 2021-22		3016.20
								Unit cost per Seedling		6.03

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Superintendent

Sd/- T.Ravi Kiran,
(FAC) District Forest Officer
Mahabubabad

Unit Cost for Advance Operations under Labour Intensive Method as per FSR 2022-23

Espacement 3 x 3 M				Name of the Species : NTSH				
Sl. No.	FSR Code No.	Item of work	Qty	Rate in Rs.			Per	Amount
				Asper FSR	Agency allowance 25%	Total		
1	2	3	4	5	6	7	8	9
1	02.01.01	Survey with hand-held GPS (staff to carry out) and demarcation - one manday is allowed for assistance. The surveyed sketch with exact effective area statement will be uploaded in MIS platform by end of December.	1 No.	412.87	0.00	412.87	1 No.	413
2	02.01.02	Clearing unsalable unwanted jungle growth (leaving all the tree species of good form particularly the hardwood tree species like Teak, Nallamaddi, Yegisa, Narepa, Somi, Jitregi, Billudu, Chenangi etc. and NTFP species like Ippa, Morri, Tani, Karaka, Vepa, Maredu, Tapasi, Tuniki, Chinta, Usuri, Nallajeedi etc.); Spreading the cut material all over the site; and Burning the same twice till completely burnt. All the above operations should be completed before December.						
	b	Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.5 Ha	3449.20	362.30	4311.50	1 Ha	2156
	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.	0.5 Ha	8103.38	2025.85	10129.23	1 Ha	5065
3		ALIGNMENT & STACKING INCLUDING DEMARCATION OF BASE LINE						
	02.01.05	(b) 3X3 m espacement = 1111 planting points	1111 Nos	98.51	24.63	123.14	100 Nos	1368
	02.01.04	Cost of preparation of stakes (0.45 m length) and transportation to site	1111 Nos	62.80	0.00	62.80	100 Nos	698
4		Digging of Pits - Manual (As per RSSR): All efforts shall be made to complete pitting works before March-end. Under exceptional circumstances (if the target of plantation is given in the month of March-April), the pitting can be done during June and July. But any pitting done during June-July, plants can only be planted after the pits are verified by field inspections of FROs and DFOs of proper dimensions to avoid simultaneous pitting and planting which may result in higher percentage of casualties.						
		Between January - March						
		a) Hard Soil						
	02.01.06	ii) 45 cm3 pits	1111 Nos	28.19	7.05	35.24	1 Nos	39152
		Digging of Staggered Contour Trenches (SCTs) for impounding rain water - Manual - Size: 3m Length, 0.45 m top-width, 0.30 m bottom-width and 0.45 m depth; earthwork volume per trench: 0.506 cum - Max. of 100 no. per ha. If they are made with machine, the works can be done by calling for tender. However, if they are intended to be done through machine, it has to be informed in advance. All the SCTs shall be completed before January.						
	02.01.08	Between January - March						
	b	(b) Hard soils like gravel and morum	50.6 Cum	361.99	90.50	452.49	1 Cum	22896
				Total unit rate arrived for the year 2022-23::				71748.00
				Unit cost for the year 2022-23:				78922.80

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Superintendent

Sd/- T.Ravi Kiran,
(FAC) District Forest Officer
Mahabubabad

Unit Cost for Raising of NTSH Plantations under Labour Intensive Method as per FSR 2022-23

Superintendent

Espacement 3 x 3 M**Name of the Species : NTSH**

Sl. No.	FSR Code No.	Item of work	Qty	Rate in Rs.			Per	Amount
				Asper FSR	Agency allowance 25%	Total		
1	2	3	4	5	6	7	8	9
	02.02.00	PLANTING OPERATIONS DURING RAISING YEAR						
	02.02.01	Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km						
		(d) 23 X 28 cm (9"X11") bag plants	1111 Nos	294.83	0	294.83	100 Nos	3276
6	02.02.02	Transportation of Planting Stock (including loading and unloading) Total :: 30 KMs						
	b	(d) 23 X 28 cm (9"X11") bag plants	1111 Nos	10.36	0	10.36	100 Nos	2875
7	02.02.04	Internal transportation to planting points on head loads						
	b	(d) 23 X 28 cm (9"X11") bag plants	1111 Nos	181.73	45.43	227.16	100 Nos	2524
8	02.02.05	Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. ii) Similarly, the bag plants to be planted will be dipped inside Chloropyriphos solution (5ml Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting	1111 Nos	43.29	10.82	54.11	100 Nos	601
9	02.02.06	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos	56 Kgs	15.00	0.00	15.00	1 Kg	840
10		Planting						
	02.02.07	45 cm ³	1111 Nos	482.33	120.58	602.91	100 Nos	6698
	02.02.09	a) One critical watering after planting if planting takes place on non-rainy days with the prior written permission of DFO / FDO.	1111 Nos	292.02	73.01	365.03	100 Nos	4055
		b) 2nd watering if dry spell is more than 5-6 days after first watering on the day of planting with the prior written permission of Circle Head.	1111 Nos	292.02	73.01	365.03	100 Nos	4055
11	02.02.10	Replacement of Casualties: 20% during Raising Year. (In case of Eucalyptus: 10% during raising and no casualty replacement for further maintenance). The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.						
a)		Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil						
	02.01.06	45 cm ³ pits	222 Nos	28.19	7.05	35.24	1 No	7823
	02.02.01	Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km						
		(d) 23 X 28 cm (9"X11") bag plants	222 Nos	294.83	0	294.83	100 Nos	655
6	02.02.02	Transportation of Planting Stock (including loading and unloading) Total :: 30 KMs						
	b	(d) 23 X 28 cm (9"X11") bag plants	222 Nos	10.36	0	10.36	100 Nos	575
c)	02.02.04	Internal transportation to planting points on head loads						
	b	(d) 23 X 28 cm (9"X11") bag plants	222 Nos	181.73	45.43	227.16	100 Nos	504
d)		Planting						
	02.02.07	45 cm ³	222 Nos	482.33	120.58	602.91	100 Nos	1338
12		Fertilizer Application for boosting growth						
	02.02.11	Cost of DAP @ 25 gm / planting point	28 Kgs	25.00	0.00	25.00	1 Kg	700
13	02.02.12	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 and closing. Ensure that the soil is really wet at the time of DAP application.	1111 Nos	43.29	10.82	54.11	100 Nos	601
14		WEEDING & SOIL WORKING						
	02.02.13	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111 Nos	137.76	34.44	172.20	100 Nos	1913
	02.02.14	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	1111 Nos	137.76	34.44	172.20	100 Nos	1913
	02.02.15	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec) Ordinary Soils	1111 Nos	723.51	180.88	904.39	100 Nos	10048
15	02.02.16	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)						
	b	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle.)	1 Ha	1613.26	403.32	2016.58	1 Ha.	2017
16	02.02.17	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	1111 Nos	137.00	34.25	171.25	100 Nos	1903

17	02.02.18	Brush-wood Fencing around the Plantation area: Thorny fencing with sturdy thorn material of 10 cm. girth (at the butt end) and fixing in crow bar holes and strengthening with stone packing. The average height of fence should be 1.5 m and fencing material should be fixed in 2 rows (staggered) at 60 cm. apart. The fence should be tightened horizontally by tying with thorny reepers on both sides.	150 rmt	32.07	8.02	40.09	1 rmt	6014
18	02.02.20	Contingencies provision for Raising of plantaitons:						
		i) Fixing of Plantation Boards and Corner Stones	Aa			500.00		500
		ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)	Aa					3046
19	03.01.04	Formation of New Fire lines of 5.00 m width and cleaning of old fire lines if not maintained for last 5 years including burning.	400 Rmt	906.59	226.65	1133.24	100 Rmt	4533
20	02.02.21	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation of 10.00 ha and above area but less than 20.00 ha.in extent and one more Casual labour are allowed for multiples of 20.00 ha..	1 Nos	10137.32	0	10137.32	1 Month	4562
			Total unit rate arrived for the year 2022-23::					73569.40
								61263.00

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Superintendent

Sd/- T.Ravi Kiran,
(FAC) District Forest Officer
Mahabubabad

Unit Cost for 1st year maintenance of NTSH Plantations Raised under Labour Intensive Method as per FSR 2022-23

Sl. No.	FSR Code No.	Item of work	Qty	Rate in Rs.			Per	Amount
				As per FSR	Agency allowance 25%	Total		
1	2	3	4	5	6	7	8	9
1	02.03.01	Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: no casualty replacement). The list of all casualty points shall be prepared by concerned FRO by and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by end of June. The casualty replacement shall be completed by end of July.						
2		Digging of Pits - Manual (As per RSSR): All efforts shall be made to complete pitting works before March-end. Under exceptional circumstances (if the target of plantation is given in the month of March-April), the pitting can be done during June and July. But any pitting done during June-July, plants can only be planted after the pits are verified by field inspections of FROs and DFOs of proper dimensions to avoid simultaneous pitting and planting which may result in higher percentage						
		Between June - July						
		a) Hard Soil						
	02.01.06	ii) 45 cm ³ pits	278 Nos	28.19	7.05	35.24	1 Nos	9797
3	02.02.01	Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km						
		(d) 23 X 28 cm (9"X11") bag plants	278 Nos	294.83	0	294.83	100 Nos	820
4	02.02.02	Transportation of Planting Stock (including loading and unloading) Total :: 30 KMs						
	b	(d) 23 X 28 cm (9"X11") bag plants	278 Nos	10.36	0	10.36	100 Nos	725
4	02.02.04	Internal transportation to planting points on head loads						
	b	(d) 23 X 28 cm (9"X11") bag plants	278 Nos	181.73	45.43	227.16	100 Nos	632
6		Planting						
	02.02.08	45 cm ³	278 Nos	482.33	120.58	602.91	100 Nos	1676
7	02.02.05	Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. ii) Similarly, the bag plants to be planted will be dipped inside Chloropyriphos solution (5ml Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting	278 Nos	43.29	10.82	54.11	100 Nos	150
8	02.02.06	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos	14 Kgs	15.00	0.00	15.00	1 Kg	210
9	02.03.03	Weeding and saucer formation to a radius of 0.50 mts around the plant during June.	1111 Nos	137.76	34.44	172.20	100 Nos	1913
10	02.03.04	Circular Weeding to a radius of 0.50 mts around the plant (i.e., Aug - Sept)	1111 Nos	137.76	34.44	172.20	100 Nos	1913
11	02.03.05	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec) Hard Soils	1111 Nos	723.51	180.88	904.39	100 Nos	10048
12	02.03.06	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows High rainfall Zone	1 Ha	1613.26	0.00	1613.26	1 Ha.	1613
14	02.03.09	Contingencies provision for Raising of plantations:						
		i) Maintenance of Plantation Boards and Corner Stones	Aa			500.00		500
		ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	Aa					1475
15	03.03.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	400 Rmt	670.61	157.65	838.26	100 Rmt	3353
16	02.03.10	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation of 10.00 ha and above area but less than 20.00 ha.in extent and one more Casual labour are allowed for multiples of 20.00 ha..	1 Nos	10137.32	0	10137.32	1 Month	4562
				Total unit rate arrived for the year 2022-23::				39386.85
								31677.00

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 Superintendent

(FAC) District Forest Officer
 Mahabubabad

Unit Cost for 2nd year maintenance of NTSH Plantations Raised under Labour Intensive Method as per FSR 2022-23

Sl. No.	FSR Code No.	Item of work	Qty	Rate in Rs.			Per	Amount
				As per FSR	Agency allowance 25%	Total		
1	2	3	4	5	6	7	8	9
1	02.04.02	Weeding and saucer formation to a radius of 0.50 mts around the plant during June.	1111 Nos	137.76	34.44	172.20	100 Nos	1913
2	02.04.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	1111 Nos	137.76	34.44	172.20	100 Nos	1913
3	02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.	1111 Nos	723.51	180.88	904.39	100 Nos	10048
4	02.04.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August) High rainfall Zone	1 Ha	1613.26	403.32	2016.58	1 Ha	2017
5	02.04.07	Contingencies provision for maintenance of plantations:						
		i) Maintenance of Plantation Boards and Corner Stones	Aa			500.00		500
		ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	Aa					795
6	03.03.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	400 Rmt	670.61	167.65	838.26	100 Rmt	3353
7	02.04.08	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation of 10.00 ha and above area but less than 20.00 ha.in extent and one more Casual labour are allowed for multiples of 20.00 ha..	1 Nos	10137.32	0	10137.32	1 Month	4562
Total unit rate arrived for the year 2022-23::								25100.55

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Superintendent

Sd/- T.Ravi Kiran,
(FAC) District Forest Officer
Mahabubabad

Unit Cost for 3rd year maintenance of NTSH Plantations Raised under Labour Intensive Method as per FSR 2022-23

Sl. No.	FSR Code No.	Item of work	Qty	Rate in Rs.			Per	Amount
				Asper FSR	Agency allowance 25%	Total		
1	2	3	4	5	6	7	8	9
1	02.04.02	Weeding and saucer formation to a radius of 0.50 mts around the plant during June.	1111 Nos	137.76	34.44	172.20	100 Nos	1913
2	02.04.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	1111 Nos	137.76	34.44	172.20	100 Nos	1913
3	02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.	1111 Nos	723.51	180.88	904.39	100 Nos	10048
4	02.04.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August) High rainfall Zone	1 Ha	1613.26	403.32	2016.58	1 Ha	2017
5	02.04.07	Contingencies provision for maintainence of plantaitons:						
		i) Maintenance of Plantation Boards and Corner Stones	Aa			500.00		500
		ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	Aa					795
6	03.03.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	400 Rmt	670.61	167.65	838.26	100 Rmt	3353
7	02.04.08	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation of 10.00 ha and above area but less than 20.00 ha.in extent and one more Casual labour are allowed for multiples of 20.00 ha..	1 Nos	10137.32	0	10137.32	1 Month	4562
Total unit rate arrived for the year 2022-23::								25100.55

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Sd/- T.Ravi Kiran,
(FAC) District Forest Officer
Mahabubabad

Unit Cost for 4th year maintenance of NTSB Plantations Raised under Labour Intensive Method as per FSR 2022-23

Sl. N	FSR Code No.	Item of work	Qty	Rate in Rs.			Per	Amount
				Asper FSR	Agency allowance 25%	Total		
1	2	3	4	5	6	7	8	9
1	02.04.02	Weeding and saucer formation to a radius of 0.50 mts around the plant during June.	1111 Nos	137.76	34.44	172.20	100 Nos	
2	02.04.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	1111 Nos	137.76	34.44	172.20	100 Nos	
3	02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.	1111 Nos	723.51	180.88	904.39	100 Nos	10048
4	02.04.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August) High rainfall Zone	1 Ha	1613.26	403.32	2016.58	1 Ha	2017
5	02.04.07	Contingencies provision for maintenance of plantations:						
		i) Maintenance of Plantation Boards and Corner Stones	Aa			500.00		500
		ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	Aa					603
6	03.03.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	400 Rmt	670.61	167.65	838.26	100 Rmt	3353
7	02.04.08	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation of 10.00 ha and above area but less than 20.00 ha.in extent and one more Casual labour are allowed for multiples of 20.00 ha..	1 Nos	10137.32	0	10137.32	1 Month	4562
Total unit rate arrived for the year 2022-23::								21083.25

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Superintendent

Sd/- T.Ravi Kiran,
(FAC) District Forest Officer
Mahabubabad

**Unit Cost for 5th year to 10th Year maintenance of NTSH Plantations Raised under Labour Intensive Method
as per FSR 2022-23**

Sl No	FSR Code No.	Item of work	Qty	Rate in Rs.			Per	Amount
				As per FSR	Agency allowance 25%	Total		
1	2	3	4	5	6	7	8	9
1	03.03.01	1Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	400 Rmt	670.61	167.65	838.26	100 Rmt	3353
2	02.04.08	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation of 10.00 ha and above area but less than 20.00 ha.in extent and one more Casual labour are allowed for multiples of 20.00 ha..	1 Nos	10137.32	0	10137.32	1 Month	4562
			Total unit rate arrived for the year 2022-23::					7915.00

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Superintendent:

Sd/- T.Ravi Kiran,
(FAC) District Forest Officer
Mahabubabad

Unit Cost for Creation of Fire Lines as per FSR 2021-22

Sl. No.	FSR Code No.	Item of work	Qty	Rate in Rs.			Per	Amount
				Asper FSR	Agency allowance 25%	Total		
1	2	3	4	5	6	7	8	9
1	03.01.04	Formation of New Fire lines of 5.00 m width and cleaning of old fire lines if not maintained for last 5 years including burning.	1000 Rmt	906.59	226.65	1133.24	100 Rmt	11332
Unit Rate as per FSR 2021-22								11332.00
Per KMs								113320

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Superintendent

Sd/- T.Ravi Kiran,
(FAC) District Forest Officer
Mahabubabad