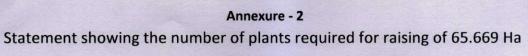
Statement showing the year wise funds flow in (CA Raised in 65.669 Ha Venkatapur village of Kasipet Mandal) lieu of Diversion of 34.4167 Ha Package-IV of forest land in Mancherial Forest Divisions - For construction of Barrage at Tumidihetti village and main canal for Dr.B.R. Abmedkar Pranahitha Project- in favour of Chief Engineer (Projects), Adilabad in Neelwai Range of Mancherial Division

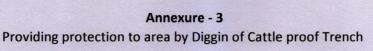
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of the work	Units	Qty		Amount	Qty		Amount	Otv		Amount	Otv	_	Amount	Qty		Amount	Qty		Amount	Qty		Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty				Rate Am		Qty 0.000	Amount 41
2	3	4	5	6	7	8	9	10		12		_	15	16			19		21		23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	PAGE STORY	1792.0	6.272
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re fencing with outr 5 rows (4300 outra = 2258 OR one wall		2258	850	19.193																																			19.193
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ent of nursery	LS			10.000			5.000																															0.000	15.000
ure of Technical	Nos /	12	0.300	3.600	12	0.300	3.600	12	0.300	3.600																											3	36.000	10.800
of Data Entry	Month Nos /	12	0.150	1.800	12	0.150	1.800	12	0.150	1.800						10 E																					3	36.000	5.400
Bag plant ar @ 400 Plants 0 Plants Baniyan 200 Plants	Month Lakh Nos	1.379	15.948	21.992																																		1.379	21.992
aintenance	Lakh Nos				0.288	17.543	5.052																															0.288	
nce of nursery	Lakh Nos				1.379	5.640	7.777	0.288	6.204	1.787																												1.667	9.564
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naintenance	На																						65.6	0.26	63 17.24													65.669	18.968
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naintenance	На																															05.00	5.550	22.002	STATE OF THE PARTY	0.384		CONTRACTOR OF	25.24
maintenance	На																		47.7-0			15.63	16		17.2	44		18,96	8		20.865			22.952			25.247		384.64
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stative Cost 5%			19314		ROLL CO																	7.000000									21.908			24.100			26.509		403.88
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Year	Area	No. of planting points @ 3m x 2m 5x 5	Replacement of casualities	Total	5% Extra	Grand Total	Rounded to
1	2	3	4	5	6	7	8
Raising year (20% replaements)	65.669	109470	21894	131364	6568	137932	137950
1st year (25% replacement)		109470	27368	27368	1368	28736	28750
	Total	218940	49262	158732	7936	166668	166700



SI No	Description of work		Qty	Rate	Per	Amount in
1	2		3	4	5	6
1	Digging of cattle proof trench with size 2.00 Mt Top, 1.50 Mt bootom with a depth of 2.00 Mt (As per GO Ms. 261, EFS&T Dt 30.07.2005					
	Peripheral lengh	4300	15050	7525	15050	W.
	Width	(2+1.5)/2				
	Depth	2.00	15050 Cum			
	Leaving a septa of 0.60 m @ 20 m intervals 4300 / 20 = 215 Nos septas x 0.60 x 2 = 258 Cum	258	-258			
		Total	14792	42.400	1	627181

# **Carrying out SMC works**

1 Check dam		10.000
2 Formation of Mini Percolation Tanks 2 Nos @ Rs. 1.00 Lakhs/ each		2.000
	Total	12.000

Unit cost for raising of 1,00,000 Nos. Bag Plants Nursery as per the FSR 2016-17

SI.No.	item No.	Schedule of operations with Specifications	Units	Qty	Rate (in Rs)	Per	Amound
31	2	3	4	5	6	7	8
	A)	PARIMARY BED NURSERY (MAY-JUNE) NURSERIES					
		PRIMARY BEDS of 1x1x0.3 m size for Miscellaneous species including bamboo - 50 primary beds for 1 lakh nursery is permitted. Primary beds should start from Jan - May depending on availability of fresh seeds. Once primary beds are formed, they can be used upto 5 years without changing the medium - what is required each time is solarization, burning a layer of grass on it and adding the below recommended fungicides and insecticides to the medium. It is expected to 500 Plants per bed 100000/500=200 Beds					
	01.01.01	Preparation of New Site by clearing jungle growth, uprootal of	Bed	200	4.32	1.00	864.00
	01.01.03	stumps and removal of surface stones, pebbles etc.  Digging soil of the demarcated beds of 1x1x0.30 m size	Bed	200	33.26	1.00	6653.00
	01.01.04	Cost of sandy soil and transportation with 5 kms lead including loading and unloading charges (sandy soil and FYM in 5:1 ratio, i.e.,	Bed	200	25.45	1.00	5090.00
	01.01.06	0.125 cum sandy soil and 0.025 cum FYM per primary bed  Cost and transport of 0.025 cum FYM	Bed	200	21.87	1.00	4374.00
	01.01.07	Mixing of sandy soil and FYM in 5:1 proportion (50 % of volume of bed) with exacavated soil and refilling the bed and lavelling.	Bed	200	9.45	1.00	1890.00
	01.01.08	Covering the beds with dried grass and leaf litter and burning them	Bed	200	10.80	1.00	2160.00
	01.01.09	to ash which can form the upper layer  Soil drenching with 0.1% Carbendazim (10 gm or 10 ml of Carbendazim in 1 lit of water)			By Nursery Watcher		
	01.01.10	Cost of seed - seed weight, germination percentage and target of planting stock of individual species are to be taken into consideration while estimating the requirement of seeds 5Kg x 200 Beds = 10000	Kg	10000	25	1	250000.00
	01.01.11	Seed dressing with Captan or Thiram at 3-5 gm/kg of seeds (the insecticide should be mixed with 250 gm of ash and then this should be thoroughly mixed with seeds to be sown after pretreatment and before sowing)			By Nursery Watcher		0.00
	01.01.12	Sowing of seed (finer seeds like Adina, Mitragyna, Anthocephalus etc. to be mixed with sand and bradcasted - Bigger seeds to be dibbled in lines 1-2 cm apart) and covering the bed to a thickness of 2.5 cm with paddy hay including cost and conveyance	Bed	200	10.75	1.00	214 <mark>9</mark> .00
	01.01.13	Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months.  200 x 2months=400 Beds	Bed/ month	400	12.10	1.00	4838.00
	01.01.15	Cost of chemicals, fungicide and insecticide	As per actuals	limited to Rs.	1000/- per 1		1000
	01.01.16	Application of Fungicide and insecticide with power-driven back- pack mechanized sprayer as used in agricultural fields to spray insecticide.	Ву	Nursery Watc			
		Wages to Nursery watcher May-June	Months	2	7500	1	15000.00
		Primary Bed Nursery Total:					294018.00
	01.03.	RAISING OF 4 X 7 BAGS  BAG PLANT NURSERY: Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9" (250 gauge) bags which are to be converted into 6"x12" (400 gauge) or 8"x12" (400 gauge) polybags. The seedlings are to be transplanted from primary beds in June - July. Hence the bags are to be filled during April-May when the soil is dry. 100000/2600 (4x7)=38.46					
		Raising of Nursery in Polythene bags in sizes of 4"x7" (200 gauge) or 5"x9" (250 gauge) bags and arranging in secondary					
		beds (Bed size: 10 X 1 M).				V*	
	01.03.01	beds (Bed size: 10 X 1 M).  Site preparation for New Sites - Clearing of growth, uprootal of	Bed	38.46	44.12	1.00	1697.0
	01.03.01	beds (Bed size: 10 X 1 M).	Bed Bed	38.46	44.12 11.56	1.00	
		beds (Bed size: 10 X 1 M).  Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.	Bed				
		beds (Bed size: 10 X 1 M).  Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.  Site preparation for Old Site - Clearing of growth, weeds, grass etc.,  Cost of Polybags (including the cost of certification by ): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of	Bed		As per approved Tender Rate finalized by the procurement		1697.00 444.00 29693.0
	01.03.02	beds (Bed size: 10 X 1 M).  Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.  Site preparation for Old Site - Clearing of growth, weeds, grass etc.,  Cost of Polybags (including the cost of certification by ): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.  i) 10 cm x 17.5 cm (4" x 7") size bags of 200 g: 589 bags / kg	Bed Kg	38.46	As per approved Tender Rate finalized by the procurement committee.	1.00	444.0
	01.03.02	beds (Bed size: 10 X 1 M).  Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.  Site preparation for Old Site - Clearing of growth, weeds, grass etc.,  Cost of Polybags (including the cost of certification by ): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.  i) 10 cm x 17.5 cm (4" x 7") size bags of 200 g: 589 bags / kg 100000/589=169.78+10% = 186.75  Cost and Transport of ingredients for Potting Mixture: (As per CSSR) Red Soil, tank-silt, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be	Bed Kg	38.46	As per approved Tender Rate finalized by the procurement committee.	1.00	444.0

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Sl.No.	Item No.	Schedule of operations with Specifications	Units	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
2	~01.03.07	10 cm x 17.5 cm (4" x 7") = 0.56 cum vol. for 1000 bags (100000x20=20000000)  Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds.	1000 / km	2000000	4.54	1000.00	908€ 0
	01.03.09	i) 10 cm x 17.5 cm (4" x 7") size bags: 2600 bags / bed	1000	100000	509.22	1000.00	50922.0
	01.03.11	Allignment of beds including allignment of inspection paths etc  Pricking out seedlings from primary beds and transplanting into	Bed	38.46	6.59	1.00	253.0
	01.03.12	polybags  Watering the plants twice a day from July - October  a) Manually with rose spray or finely perforated nozzle attached to a	1000	100000	122.74	1000.00	12274.00
	01.03.14	hose pipe (4Months x 38.46=153.84)  Weeding the plants from July to October (3 times)	Bed / month	153.84	238.19	1.00	36644.00
	01.03.16	1 <sup>st</sup> weeding - July	Bed / weeding	38.46	43.74	1.00	1682.00
	01.03.17	2 <sup>nd</sup> weeding - Aug	Bed / weeding	38.46	43.74	1.00	1682.00
	01.03.18	3 <sup>rd</sup> weeding - Sept	Bed / weeding	38.46	43.74	1.00	1682.00
		Shifting, Grading and rearranging in beds of 10x1 m size beds (2600 no. of 4"x7"bags; 1700 no. of 5"x9" bags)					
	01.03.19	One Grading in Sept.	Bed / shifting	38.46	204.28	1.00	7857.00
	01.03.20	Replacement of casualties after sorting out the empty bags and keeping at one end of the bed (maximum 10% of total stock is permissible)	Bed	3.846	58.00	1.00	223.00
	01.03.21	Cost of foliar nutritient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.	the state of the s	s with a maxin			2000
	01.03.22	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month) alternatively. Similarly application of multiplex or NPK 19:19:19 (a teaspoon in 1 lit water) - once in a month - to start 1 month after conversion by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)	Ву∃	Nursery Watch	er		
	01.03.23	Weeding in the space between the beds, inspection path and sorroundings of Nursery	Bed	3.846	29.81	1.00	115.00
20003454835		Wages to Nursery watcher July-Oct	Months	4	7500	1	30000.00
	C)	Raising 4x7 Bag Total: CONVERSION AND MAINTENANCE OF SEEDLINGS (4x7 to 8x12) Nov To Mar					203654.00
		CONVERSION of RT plants or 4"x7" or 5"x9" bag-plants into higher size bags - to be done during November - December. At the time of conversion, the height of the plants should be at least above 0.45m in height (excluding the height of polybag).					
		Cost of Polybags (100000/86=1163 Kg+10%=1279.30)	Kg	1279.3	159.00	1.00	203409.00
		Cost and Transport of ingredients for Potting Mixture: Red Soil, tank-silt, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.					
		Transportation of soil mixture ingredients					
	01.03.27	a) Distance up to 5 km iv) 4" x 7" to 8" x 12" polybags (3.82 - 0.56 = 3.26 cum) b) For every extra km beyond 5 km upto 25 km	1000	100000	1013.45	1000.00	101345.00
	01.03.32	iv) 4" x 7" to 8" x 12" polybags (3.82 - 0.56 = 3.26 cum) 20x100000=20000000	1000 No. / km	2000000	26.41	1000.00	52820.00
		Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture partially, tearing the polybag plants and repotting them inside bigger bags and filling the rest of bags; gently pressing the same with finger tips and arranging in beds of 10x1 m size (6"x12" size: 1100 bag plants / bed and 8"x12" size": 800 bag plants per bed)					
	01.03.37	iv) 4" x 7" to 8" x 12" polybags (3.82 - 0.56 = 3.26 cum)  Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; and 400 no. of 10"x16" bags) from November - March: 2 weedings (100000/400 (8x12)=250)	1000	100000	1785.38	1000.00	178538.00
	01.03.44	1 <sup>st</sup> weeding - December	Bed / weeding	250	43.74	1.00	10935.00
	01.03.45	2 <sup>nd</sup> weeding - February	Bed / weeding	250	43.74	1.00	10935.00
	01.03.46	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed / weeding	250	204.28	1.00	51071.00
		Watering the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.					
	01.03.47	a) Manually with rose spray or finely perforated nozzle attached to a hose pipe (250 $\times$ 5 = 1250)	Per bed / month	1250	238.19	1.00	297743.00

Sl.No.	Item No.	Schedule of operations with Specifications	Units	Qty	Rate (in Rs)	Rer	Amount
1 ;	1 2	3	4	5	6	7	8
*	01.03.49	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month from Dec - March) alternatively. Similarly application of multiplex or NPK 19:19:19 (a teaspoon in 1 lit water) - once in a month - to start 1 month after conversion by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)		Nursery Wate	her		*
	01.03.50	Cost of foliar nutritient formulations like multiplex or NPK- 19:19:19; fungicides and insecticides (from Dec - March)		ls with a maxir r 1 lakh polyba			
							906796.00
	01.03.51	Contingencies for Raising Year towards the expenditure like cost of hose pipe, nursery boards, electricty charges, running and maintainance charges of oil engines (Bills to be certified by ACF / DFO; and separate logbook for repair of motor or oil engine and store register for materials purchased 906796x5%.		s, subject to m nate in raising			45340.00
		Conversion and Maintenance 4x7 to 8x12 of seedlings Total:					952136.00
		Grand Total:					1449808.00
		Cost per 1 seedling Rs.1449808 /100000 =14.498					14.498

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14.498 Amount per FSR 2016-17 Amount as per FSR 2017-18 (Add 10% escalation on 2016-17) 15.948 Amount as per FSR 2018-19 (Add 10% escalation on 2017-18) 17.543 19.297 Amount as per FSR 2019-20 (Add 10% escalation on 2018-19) Amount as per FSR 2020-21 (Add 10% escalation on 2019-20) 21.227 Amount as per FSR 2021-22 (Add 10% escalation on 2020-21) 23.349 Amount as per FSR 2022-23 (Add 10% escalation on 2021-22) 25.684 Amount as per FSR 2023-24 (Add 10% escalation on 2022-23) 28.253

Unit cost for Maintenance of 1,00,000 Nursery April to August as per the FSR 2016-17

Sl.No.	Item No.	Schedule of operations with Specifications	Units	Qty	Rate (in Rs)	Per	Amous
1	2	3	4	5	6	7	8
	01.04.	MAINTAINANCE YEAR OF NURSERY					,
		MAINTAINANCE OF BAG PLANTS NURSERY UPTO					
		PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m					
		size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X9"					
		bags; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)					
		Watering polybag secondary beds twice a day for 4 months					
		a) Manually with rose spray or finely perforated nozzle attached to a					
	01.04.01	hose pipe (100000/400=250x5=1250)	Bed / month	1250	238.19	1	29774
	01.04.03	Weeding once during maintenance year	Bed / weeding	250	43.74	1	1093
	01.04.04	Shifting, grading and re-arranging in beds for 10 m X 1 m size	Bed / shifting	500	215.68	1	10783
		bed max. two shifts (one in April and another in June) (250x2=500)					
		Application prophylactic foliar spray of 0.2% of Carbendazim /					
		Dithane M-45 and any organo-phosphate (Monocrotophos /					
		Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in	By Nursery				
	01.04.05	a month from April to August) alternatively. Similarly, application of	Watcher				
		multiplex or NPK 19:19:19 (1 teaspoon in 1 lit water) - once in a	waterier				
		month - to be applied by back-packed power-sprayer (preferably in					
		morning or evening and no watering for at least 12 hours after spray)					
			As per actuals				
			with a				
	01.01.06	Cost of foliar nutritient formulations like multiplex or NPK-	maximum				200
	01.04.06	19:19:19; fungicides and insecticides (from April - August)	limit of Rs. 2000/ per 1				200
			lakh polybag				
			seedlings				
		Cowdung Slurry application (One can apply chemical foliar					
		spray or apply cowdung slurry - not both)					
				As non natural			
				As per actual subject to			
	01.04.07	Preparation of cowdung slurry -	per 100 beds	maximum of			150
				Rs. 1500/-			
		Application of cowdung slurry - only once between April to June -					
	01.04.08	Watering should not be done 12 hours before and after application	1000	100000	178.79	1000	1787
		of cowdung slurry treatment.					
	01.04.09	Weeding in the space between the beds, inspection path and sorroundings of Nursery	per bed	250	24.03	1	600
23.00		Softwariangs of transery					44390
					The cost of		
		Continue to San Maint Variation I did not be a little of the san and the san a	As per		protection		
		Contingencies for Maint. Year towards the expenditure like cost of	actuals,		provision provided at		
	01.04.10	hose pipe, nursery boards, electricty charges, running and maintainance charges of oil engines (Bills to be certified by ACF /	subject to		code No.		2219
	01.04.10	DFO; and separate logbook for repair of motor or oil engine and	max. of 5 %		01.05.04 may		LLI
		store register for materials purchased. 443903x5%	of estimate in		be provided maintenance of		

Cost per 1 seedling Rs.466098 /100000 =4.661

**Grand Total:** 

4.661 Amount per FSR 2016-17 4.661

466098

Amount as per FSR 2017-18 (Add 10% escalation on 2016-17) 5.127

Amount as per FSR 2018-19 (Add 10% escalation on 2017-18) 5.640

Amount as per FSR 2019-20 (Add 10% escalation on 2018-19) 6.204

Amount as per FSR 2020-21 (Add 10% escalation on 2019-20) 6.824

Amount as per FSR 2021-22 (Add 10% escalation on 2020-21) 7.507

Amount as per FSR 2022-23 (Add 10% escalation on 2021-22) 8.257

Amount as per FSR 2023-24 (Add 10% escalation on 2022-23) 9.083

Maint. Year.

Divisional Forest Officer Mancherial

bags plants

# Unit Rate for carrying out Advance operations in 10 Ha (5m x 5m) NTSHW LIM Plantation as per FSR 2016-17

0	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.01.	LABOUR INTENSIVE METHOD (LI METHOD)					
		ADVANCE OPERATION (PRE-PLANTING OPERATION) - All advance-operation works of plantations to be raised shall be completed before March. Perambulation of site, preparing site inspection report including type of vegetation and density, approval of site suitabilty and the category of jungle growth clearance, taking the images of the existing vegetation, preparation of treatment plan shall be prepared and approved in writing by DFO before taking up advance operation.					
	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 latest by December end.	Plantatio n	1	311.04	1	311
		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.					
	02.01.04	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.  ALLIGNMENT & STACKING INCLUDING	На	10.000	5207.65	1	52077
		DEMARCATION OF BASE LINE					
	02.01.08	iv) 5X5 m espacement = 400 planting points	100 no.	4000	98.766	100	3951
	02.01.09	Cost of preparation of stakes (0.45 m length) and	100 no.	4000	47.3	100	1892
		transportation to site					
		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 caualties.					
		Between January - March		No. Park			
		b) Hard Soil like gravel and moram		BOOK SE			
	02.01.13	ii) 45 cm <sup>3</sup> pits	per pit	4000	21.23	-1	84920
		Digging of Staggered Contour Trenches (SCTs) for impounding rain water - Manual - Size: 6m Length, 0.45 m top-width, 0.30 m bottom-width and 0.45 m depth; earthwork volume per trench: 1.012 cum - Max. of 50 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.					
		Between January - March					1
	02.01.19		per cum	500	272.71	1	13635

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	3
2		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)					
	02.02.25	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle.)	ha	10.000	1215.43	1	12154

Total	291660
	0.292
2016-17	0.292
016-17)	0.321
017-18)	0.353
018-19)	0.388
019-20)	0.427
020-21)	0.470
021-22)	0.517
022-23)	0.568
-	2016-17 016-17) 017-18) 018-19) 019-20) 020-21) 021-22) 022-23)

Unit cost for Raising of 10 Ha NTSHW LIM (5m x 5m) Plantation as per FSR 2016-17

lo	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
		RAISING OF BLOCK PLANTATIONS					
		LABOUR INTENSIVE METHOD (LI METHOD)					
		Transportation of Planting Stock (including loading and unloading)					
		From nursery to plantation site - upto 5 Km lead					
	02.02.03	20 X 30 cm (8"X12") bag plants	100 nos	4000	173.49	100	6940
		From nursery to plantation site - Beyond 5 Km lead					
		i) For every extra km beyond 5 km upto 25 km					
	02.02.06	20 X 30 cm (8"X12") bag plants (6.75 x 40 = 270)	100 nos / km	4000	270	100	10800
		Internal transportation to planting points on head loads					
		20 X 30 cm (8"X12") bag plants	100 Nos	4000	117.94	100	4718
	The second of the second of the second	PLANTING: Seedlings of local species of secondary					
		hardwood along with their associates and NTFP species will have to be chosen for planting. The minimum height of the					
		planting stock to be planted is 0.75 m - 1m height (excluding the height of the bag)					
		Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. Similarly, the bag plants to be planted are to be dipped inside Chloropyriphos solution (5 ml of Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation	100 No.	4000	32.62	100	1305
	02.02.14	site before planting  Cost of SSP, Chloridine dust or Chloropyriphos (4000 x 50 /	Bag	4	500	1	2000
	02.02.11	1000/50 = 4  Bags					
		Planting				100	1152
	02.02.16	ii) 45 cm <sup>3</sup>	100 No.	4000	363.366	100	14535
		Replacement of Casualties					
	02.02.17	Replacement of Casualties: 20% during Raising Year & 25% in 1 <sup>st</sup> year The caualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year. 50% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and internal					
		transportation same as adopted during raising year	Feeb	900	4.42	1	3536
2		a) Pitting (50% of Original Rate 8.84 x 50% =4.42)	Each	800	173.49	100	1388
3		b) Transportation of Seedlings- up to 5Kms	No.	800			
4		- 5 to 20Kms	No.	800	270.00	100	2160
15		c) Internal transporation	No.	800	117.94	100	944
16		d) Planting	No.	800	0	100	0
		Fertilizer Application for boosting growth					
	02.21.02	b) Broadcasting of orthodox hard-coated treated seeds (with hot water treatment) of Sandra (Acacia chundra), Narlingi (Albizia amara), Moduga (Butea monosperma), Vepa (Azadirachta indica) and Rela (Cassia fistula) seeds - 2 kg seeds of each of the above species per ha (including cost of seeds) mixed uniformly and broadcasted. The broadcasting of seeds needs to be done in July when the rains is there and the soil is adequately moist. This operation has to be done in presence of Forest Range Officer and the date of broadcast has to be recorded in Plantation Journal. This operation has to be carried out every year for 2 years.	На	10	1080	1	1080
		Application of Fertilizers					
	02.02.18	= 2	Bag	2	1400	1-	280
	02.02.19	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.	100	4000	32.62	100	130.

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*SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
6		WEEDING & SOIL WORKING					No.
		a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant after 30 days of planting (i.e. July - Aug)	100	4000	103.79	100	4152
	02.02.21	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant 90 days after planting (i.e. Sept - Oct)	100	4000	103.79	100	4152
		c) 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)					
	02.02.23	ii) For hard gravelly soil	100	4000	545.08	100	21803
		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)					
	02.02.25	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle.)	ha	10	1215.43	1	12154
	02.02.26	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	100 Nos	4000	103.194	100	4128
	02.02.28	Enumeration of row-wise survival and average growth twice in the raising year - Number of plants planted and Number surviving (to be undertaken during October and March) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with minimum average height of 1.25 - 1.50 m at the end of the raising year.	(plantati	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher			0
	02.02.29	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month	per month per watcher	12	7500	1	90000
2	24	Preparation and fixing of plantation board of standard size 6'x3' with iron Angulars, guage 6 mm (Errected on 65 mm x 65 mm x 6 mm follength of 3.00 m) including construction of CC Base	n r	1	A/A	Tota	The second secon
		D 207(20 /10 =0.2076					0.208
		Cost per 1Ha Rs.207620 /10 =0.2076		Amo	unt per FSR	2016-1	7 0.208

Amount per FSR 2016-17 0.208 Amount as per FSR 2017-18 (Add 10% escalation on 2016-17) 0.228 Amount as per FSR 2018-19 (Add 10% escalation on 2017-18) 0.251 Amount as per FSR 2019-20 (Add 10% escalation on 2018-19) 0.276 Amount as per FSR 2020-21 (Add 10% escalation on 2019-20) 0.304 Amount as per FSR 2021-22 (Add 10% escalation on 2020-21) 0.334 Amount as per FSR 2022-23 (Add 10% escalation on 2021-22) 0.368 Amount as per FSR 2023-24 (Add 10% escalation on 2022-23) 0.405

Divisional Forest Officer Mancherial

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Unit cost for 1st year Mainetence of NTSHW plantation for 10.00 Ha. under LIM @5mx 5m as per FSR 2016-17

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
	02.3.	1 <sup>ST</sup> YEAR MAINTAINANCE	4	5	6	7	8
	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. Pitting, planting, transportation and internal transportation same as precribed in fresh planting					
		a) Pitting (Original Rate 8.84) b) Transportation of Seedlings- up to 5Kms	Each	1000	8.84	1	8840
		- 5 to 25Kms	No.	1000	96.79	100	968
		c) Internal transporation	No.	1000	67.60 76.25	100	676 763
	Sec. 3	d) Planting	No.	1000	363.37	100	3634
	02.23.02	b) Broadcasting of orthodox hard-coated treated seeds (with hot water treatment) of Sandra (Acacia chundra), Narlingi (Albizia amara), Moduga (Butea monosperma), Vepa (Azadirachta indica) and Rela (Cassia fistula) seeds - 2 kg seeds of each of the above species per ha (including cost of seeds) mixed uniformly and broadcasted. The broadcasting of seeds needs to be done in July when the rains is there and the soil is adequately moist. This operation has to be done in presence of Forest Range Officer and the date of broadcast has to be recorded in Plantation Journal. This operation has to be carried out every year for 2 years.	На	10	1080	1	10800
	02.03.02	WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)  a) 1 <sup>st</sup> Circular weeding to a radius of 0.50 m around the plant during July - Aug	100	4000	103.79	100	4152
	02.03.03	b) 2 <sup>nd</sup> Circular weeding to a radius of 0.50 m around the plant during Sept - Oct	100	4000	103.79	100	4152
	02 03 05	c) 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)  ii) For hard gravelly soil					
	02.05.05	11) For hard gravery soil	100	4000	545.08	100	21803
		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)					
	02.05.07	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	ha	10	1215.43	1	12154
	02.03.08	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October.	100 Nos	4000	103.194	100	4128
	02.03.09	Enumeration of row-wise survival and average growth thrice in 1 <sup>st</sup> Maintainance year - Number of plants planted and number surviving (to be undertaken during June, Oct. and Jan.) to be ascertained and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with minimum average height of 1.75 - 2 m at the end of 1st year maintainance.	(plantatio	done by th n-in-chargo Plantation	e) with the		0

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.03.10	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-incharge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival during 1st year maintainance period.	per month per watcher	12	7500	1	90000
						Total	162069
		Cost per 1Ha Rs.162069.1 /10 =0.1621					0.162

Amount per FSR 2016-17 0.162 Amount as per FSR 2017-18 (Add 10% escalation on 2016-17) 0.178 Amount as per FSR 2018-19 (Add 10% escalation on 2017-18) 0.196 Amount as per FSR 2019-20 (Add 10% escalation on 2018-19) 0.216 Amount as per FSR 2020-21 (Add 10% escalation on 2019-20) 0.237 Amount as per FSR 2021-22 (Add 10% escalation on 2020-21) 0.261 Amount as per FSR 2022-23 (Add 10% escalation on 2021-22) 0.287 Amount as per FSR 2023-24 (Add 10% escalation on 2022-23) 0.316

Divisional Forest Officer

Mancherial

\*\*Unit cost for 2nd year Mainetence of NTSHW plantation for 10.00 Ha. under LIM @ 5m x 5m as per FSR 2016-

lo	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.	2 <sup>ND</sup> YEAR MAINTAINANCE					
		WEEDING & SOIL WORKING					
	11/11/4 11 1	a) $I^{st}$ circular weeding to a radius of 0.50 m around the plant during July - Aug.	100	4000	103.79	100	4152
		b) $2^{nd}$ circular weeding to a radius of 0.50 m around the plant during Sept Oct.	100	4000	103.79	100	4152
		c) <i>Deep soil working</i> 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.					
	02.04.04	ii) For hard gravelly soil	100	4000	545.08	100	21803
		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)					
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	ha	10	1215.43	1	12154
	02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.	plants planted June, Oct. th so much status by SCTs nous forest eight of 0.75 - cking of 90%  To be done by the staff (plantation-in-charge) with the help of Plantation Watcher		e) with the		0
	02.05.05	<b>Formation of Sector Lines / Fire Lines</b> 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.	Rmt	4000	5.08	1	20320
	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-incharge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.	per month per watcher	12	7500	1	90000
						Total	
		Cost per 1Ha Rs.152581 /10 =0.1526			nt per FSR		0.153 7 0.153

Amount as per FSR 2017-18 (Add 10% escalation on 2016-17) 0.168

Amount as per FSR 2018-19 (Add 10% escalation on 2017-18) 0.185

Amount as per FSR 2019-20 (Add 10% escalation on 2018-19) 0.203

Amount as per FSR 2020-21 (Add 10% escalation on 2019-20) 0.223

Amount as per FSR 2021-22 (Add 10% escalation on 2020-21) 0.246

Amount as per FSR 2022-23 (Add 10% escalation on 2021-22) 0.270

Amount as per FSR 2023-24 (Add 10% escalation on 2022-23) 0.297

Divisional Forest Officer Mancherial

24 4167 Ha CA Scheme 25.08.2016

Unit cost for 3rd year Mainetence of NTSHW plantation for 10.00 Ha. under LIM @ 5mx5m as per FSR 2016-

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.	3rd YEAR MAINTAINANCE					
		WEEDING & SOIL WORKING					
	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	100	4000	103.79	100	4152
	02.04.02	b) $2^{nd}$ circular weeding to a radius of 0.50 m around the plant during Sept Oct.	100	4000	103.79	100	4152
		c) 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.					
	02.04.04	ii) For hard gravelly soil	100	4000	545.08	100	21803
		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)					
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	ha	10	1215.43	1	12154
	02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
	02.05.05	<b>Formation of Sector Lines / Fire Lines</b> 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.	Rmt	4000	5.08	1	20320
	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-incharge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.	per month per watcher	12	7500	1	90000
						Total	152581
			A STATE OF THE PARTY OF THE PAR	the second secon	The second secon	The second secon	

Amount per FSR 2016-17 0.153

Amount as per FSR 2017-18 (Add 10% escalation on 2016-17) 0.168 Amount as per FSR 2018-19 (Add 10% escalation on 2017-18) 0.185 Amount as per FSR 2019-20 (Add 10% escalation on 2018-19) 0.203 Amount as per FSR 2020-21 (Add 10% escalation on 2019-20) 0.223 Amount as per FSR 2021-22 (Add 10% escalation on 2020-21) 0.246 Amount as per FSR 2022-23 (Add 10% escalation on 2021-22) 0.270 Amount as per FSR 2023-24 (Add 10% escalation on 2022-23) 0.297 Amount as per FSR 2024-25 (Add 10% escalation on 2023-24) 0.327 Amount as per FSR 2025-26 (Add 10% escalation on 2024-25) 0.360 Amount as per FSR 2026-27 (Add 10% escalation on 2025-26) 0.396 Amount as per FSR 2027-28 (Add 10% escalation on 2026-27) 0.435 Amount as per FSR 2028-29 (Add 10% escalation on 2027-28) 0.479 Amount as per FSR 2029-30 (Add 10% escalation on 2028-29) 0.527

> Divisional Forest Officer Mancherial

24 4167 Ha CA Scheme 25 08 2016

Unit Cost for 4th year Mainetence of NTSHW plantation for 10.00 Ha. under LIM @ 5mx5m as per FSR 2016-

lo	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.	4th YEAR MAINTAINANCE					
		WEEDING & SOIL WORKING					
	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	100	4000	103.79	100	4152
	02.04.02	b) $2^{nd}$ circular weeding to a radius of 0.50 m around the plant during Sept Oct.	100	4000	103.79	100	4152
		c) 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.					
	02.04.04	ii) For hard gravelly soil	100	4000	545.08	100	21803
		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)					
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	ha	10	1215.43	1	12154
	02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
	02.05.05	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.	Rmt	4000	5.08	1	20320
		Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of					
	02.04.08	Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.	per month per watcher	12	7500	1	90000
						Total	15258
							0.153
		Cost per 1Ha Rs.152581 /10 =0.1526					0.15

Amount per FSR 2016-17 Amount as per FSR 2017-18 (Add 10% escalation on 2016-17) 0.168 Amount as per FSR 2018-19 (Add 10% escalation on 2017-18) 0.185 Amount as per FSR 2019-20 (Add 10% escalation on 2018-19) 0.203 Amount as per FSR 2020-21 (Add 10% escalation on 2019-20) 0.223 Amount as per FSR 2021-22 (Add 10% escalation on 2020-21) 0.246 Amount as per FSR 2022-23 (Add 10% escalation on 2021-22) 0.270 Amount as per FSR 2023-24 (Add 10% escalation on 2022-23) 0.297 Amount as per FSR 2024-25 (Add 10% escalation on 2023-24) 0.327 Amount as per FSR 2025-26 (Add 10% escalation on 2024-25) 0.360 Amount as per FSR 2026-27 (Add 10% escalation on 2025-26) 0.396 Amount as per FSR 2027-28 (Add 10% escalation on 2026-27) 0.435 Amount as per FSR 2028-29 (Add 10% escalation on 2027-28) 0.479 Amount as per FSR 2029-30 (Add 10% escalation on 2028-29) 0.527

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34 4167 Ha CA Scheme 25.08.2016

Unit Cost for 5th year Mainetence of NTSHW plantation for 10.00 Ha. under LIM @ 5mx5m as per FSR 2016-

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SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.	5th YEAR MAINTAINANCE					
		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)					
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	ha	10	1215.43	1	12154
	02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.	(plantati	e done by t on-in-charg f Plantation	ge) with the		0
	02.05.05	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.	Rmt	4000	5.08	1	20320
	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-incharge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.	per month per watcher	12	7500	1	90000
						Total	122474
		Cost per 1Ha Rs.122474 /10 =0.1225					0.123
							0.123

Amount per FSR 2016-17 0.123

Amount as per FSR 2017-18 (Add 10% escalation on 2016-17) 0.135 Amount as per FSR 2018-19 (Add 10% escalation on 2017-18) 0.148 Amount as per FSR 2019-20 (Add 10% escalation on 2018-19) 0.163 Amount as per FSR 2020-21 (Add 10% escalation on 2019-20) 0.179 Amount as per FSR 2021-22 (Add 10% escalation on 2020-21) 0.197 Amount as per FSR 2022-23 (Add 10% escalation on 2021-22) 0.217 Amount as per FSR 2023-24 (Add 10% escalation on 2022-23) 0.239 Amount as per FSR 2024-25 (Add 10% escalation on 2023-24) 0.263 Amount as per FSR 2025-26 (Add 10% escalation on 2024-25) 0.289 Amount as per FSR 2026-27 (Add 10% escalation on 2025-26) Amount as per FSR 2027-28 (Add 10% escalation on 2026-27) 0.350 Amount as per FSR 2028-29 (Add 10% escalation on 2027-28) 0.384 Amount as per FSR 2029-30 (Add 10% escalation on 2028-29) 0.423

\*Unit Cost for 6th year Mainetence of NTSHW plantation for 10.00 Ha. under LIM @ 5mx5m as per FSR 2016-

2	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
	2	3	4	5	6	7	8
	02.04.	6th YEAR MAINTAINANCE					
		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)					
	117 114 116 1	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	ha	10	1215.43	1	12154
	02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
	02.05.05	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.	Rmt	4000	5.08	1	20320
	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-incharge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.	per month per watcher	12	7500	1	90000
					· Conce	Total	12247
						A SECRET	0.123

Amount per FSR 2016-17 0.123

Amount as per FSR 2017-18 (Add 10% escalation on 2016-17) 0.135 Amount as per FSR 2018-19 (Add 10% escalation on 2017-18) 0.148 Amount as per FSR 2019-20 (Add 10% escalation on 2018-19) 0.163 Amount as per FSR 2020-21 (Add 10% escalation on 2019-20) 0.179 Amount as per FSR 2021-22 (Add 10% escalation on 2020-21) 0.197 Amount as per FSR 2022-23 (Add 10% escalation on 2021-22) 0.217 Amount as per FSR 2023-24 (Add 10% escalation on 2022-23) 0.239 Amount as per FSR 2024-25 (Add 10% escalation on 2023-24) 0.263 Amount as per FSR 2025-26 (Add 10% escalation on 2024-25) 0.289 Amount as per FSR 2026-27 (Add 10% escalation on 2025-26) 0.318 Amount as per FSR 2027-28 (Add 10% escalation on 2026-27) 0.350 Amount as per FSR 2028-29 (Add 10% escalation on 2027-28) 0.384 Amount as per FSR 2029-30 (Add 10% escalation on 2028-29) 0.423

\*Unit Cost for 7th year Mainetence of NTSHW plantation for 10.00 Ha. under LIM @ 5mx5m as per FSR 2016-

Si <sup>*</sup> No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per 7	Amount 8
1	2	3	4	5	6		0
		7th YEAR MAINTAINANCE  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)					
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	ha	10	1215.43	1	12154
	02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
	02.05.05	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.	Rmt	4000	5.08	1 .	20320
	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-incharge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.	per month per watcher	12	7500	1	90000
						Total	122474
		Cost per 1Ha Rs.122474 /10 =0.1225					0.123

Amount per FSR 2016-17 0.123

Amount as per FSR 2017-18 (Add 10% escalation on 2016-17) 0.135 Amount as per FSR 2018-19 (Add 10% escalation on 2017-18) 0.148 Amount as per FSR 2019-20 (Add 10% escalation on 2018-19) 0.163 Amount as per FSR 2020-21 (Add 10% escalation on 2019-20) 0.179 Amount as per FSR 2021-22 (Add 10% escalation on 2020-21) 0.197 Amount as per FSR 2022-23 (Add 10% escalation on 2021-22) 0.217 Amount as per FSR 2023-24 (Add 10% escalation on 2022-23) 0.239 Amount as per FSR 2024-25 (Add 10% escalation on 2023-24) 0.263 Amount as per FSR 2025-26 (Add 10% escalation on 2024-25) 0.289 Amount as per FSR 2026-27 (Add 10% escalation on 2025-26) 0.318 Amount as per FSR 2027-28 (Add 10% escalation on 2026-27) 0.350 Amount as per FSR 2028-29 (Add 10% escalation on 2027-28) 0.384 Amount as per FSR 2029-30 (Add 10% escalation on 2028-29) 0.423

"Unit Cost for 8th year Mainetence of NTSHW plantation for 10.00 Ha. under LIM @ 5mx5m as per FSR 2016-

*						4
Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
2	3	4	5	6	7	8
02.04.	8th YEAR MAINTAINANCE					
	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)					
02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	ha	10	1215.43	1	12154
02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.	(plantatio	n-in-charg	e) with the		0
02.05.05	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.	Rmt	4000	5.08	1	20320
02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-incharge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.	per month per watcher	12	7500	1	90000
					Total	122474
	Cost per 1Ha Rs.122474 /10 =0.1225					0.123
			Amou	nt per FSR 2	2016-17	0.123
	A PSD 20	17 19 ( ) 4				0.135
	Amount as per FSR 20	)17-16 (Ad	d 10% esc	alation on 20	017-18)	
	Amount as per FSR 20	)19-70 (Ad	ld 10% esc	alation on 20	018-19)	0.143
	2 02.04. 02.04.06 02.04.07	2 02.04. 8th YEAR MAINTAINANCE  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 > 800 mm (for Warangal, Khammam & Adilabad Circle)  Enumeration of row-wise survival and average growth thrice in 2nd Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.  ### 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.  Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-incharge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.  Cost per 1Ha Rs.122474 /10 =0.1225  Amount as per FSR 20 Amoun	2	2 02.04. 8th YEAR MAINTAINANCE  Cutting of coppiee 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)  02.04.06 High rainfall zone > 800 mm (for Warangal, Khammam & ha 10  Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.  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.  Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-darge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.  Cost per 1Ha Rs.122474 /10 =0.1225  Amount as per FSR 2019-20 (Add 10% esc Amount as per FSR 2020-21 (Add 10% esc Amount as per FSR 2020-22 (Add 10% esc Amount as per FSR 2021-22 (Add 10% esc Amount as per FSR 2	2 3 4 5 6  2 02.04. 8th YEAR MAINTAINANCE  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)  102.04.06   High rainfull zone > 800 mm (for Warangal, Khammam & ha 10 1215.43    Enumeration of row-wise survival and average growth thrice in 2 nd Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.  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.  Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.  Cost per 1Ha Rs.122474 /10 =0.1225  Amount as per FSR 2017-20 (Add 10% escalation on 2 Amount as per FSR 202-22 (Add 10% escalation on 2 Amount as per FSR 202-22 (Add 10% escalation on 2 Amount as per FSR 202-22 (Add 10% escalation on 2 Amount as per FSR 202-22 (Add 10% escalation on 2 Amount as per FSR 202-22 (Add 10% escalation on 2 Amount as per FSR 202-22 (Add 10% escalation	2 3 4 5 6 7  2.02.04. 8th YEAR MAINTAINANCE  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)  02.04.06 High rainfall zone > 800 mm (for Warangal, Khammam & ha 10 1215.43 1  Enumeration of row-wise survival and average growth thrice in 2nd Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.  Pormation 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.  Cost of Protection: One Watcher is allowed for 10-30 ha. plantation. One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in repore condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.  Total

Divisional Forest Officer Mancherial

Amount as per FSR 2024-25 (Add 10% escalation on 2023-24) Amount as per FSR 2025-26 (Add 10% escalation on 2024-25)

Amount as per FSR 2026-27 (Add 10% escalation on 2025-26)

Amount as per FSR 2027-28 (Add 10% escalation on 2026-27)

Amount as per FSR 2028-29 (Add 10% escalation on 2027-28)

Amount as per FSR 2029-30 (Add 10% escalation on 2028-29)

0.263

0.289

0.318

0.350

0.384

0.423

Unit Cost for 9th year Mainetence of NTSHW plantation for 10.00 Ha. under LIM @ 5mx5m as per FSR 2016-

lo	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.	9th YEAR MAINTAINANCE					
		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)					
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	ha	10	1215.43	1	12154
	02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.	(plantatio	done by to on-in-charg Plantation	e) with the		0
	02.05.05	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.	Rmt	4000	5.08	1	20320
	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-incharge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.	per month per watcher	12	7500	1	90000
						Total	122474
SECTION SECTION			ALCOHOLD STATE OF THE PARTY OF				

0.123 Amount per FSR 2016-17 0.135 Amount as per FSR 2017-18 (Add 10% escalation on 2016-17) Amount as per FSR 2018-19 (Add 10% escalation on 2017-18) 0.148 Amount as per FSR 2019-20 (Add 10% escalation on 2018-19) 0.163 Amount as per FSR 2020-21 (Add 10% escalation on 2019-20) 0.179 0.197 Amount as per FSR 2021-22 (Add 10% escalation on 2020-21) Amount as per FSR 2022-23 (Add 10% escalation on 2021-22) 0.217 Amount as per FSR 2023-24 (Add 10% escalation on 2022-23) 0.239 0.263 Amount as per FSR 2024-25 (Add 10% escalation on 2023-24) Amount as per FSR 2025-26 (Add 10% escalation on 2024-25) 0.289 0.318 Amount as per FSR 2026-27 (Add 10% escalation on 2025-26) Amount as per FSR 2027-28 (Add 10% escalation on 2026-27) 0.350 Amount as per FSR 2028-29 (Add 10% escalation on 2027-28) 0.384 0.423 Amount as per FSR 2029-30 (Add 10% escalation on 2028-29)

Divisional Forest Officer
Mancherial

24 4167 Ha CA Scheme 25 08 2016

Unit Cost for 10th year Mainetence of NTSHW plantation for 10.00 Ha. under LIM @ 5mx5m as per FSR 2016-

Si No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amoun
1	2	3	4	5	6	7	8
	02.04.	10th YEAR MAINTAINANCE					
		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)		1			
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	ha	10	1215.43	1	12154
	02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.	(plantatio	done by the done done in-charge Plantation	e) with the		0
	02.05.05	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.	Rmt	4000	5.08	1	20320
	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-incharge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.	per month per watcher	12	7500	1	90000
						Total	12247
						LOCAL DESIGNATION OF THE PARTY	THE RESERVE OF THE PERSON NAMED IN

Amount per FSR 2016-17 0.123 0.135 Amount as per FSR 2017-18 (Add 10% escalation on 2016-17) Amount as per FSR 2018-19 (Add 10% escalation on 2017-18) 0.148 Amount as per FSR 2019-20 (Add 10% escalation on 2018-19) 0.163Amount as per FSR 2020-21 (Add 10% escalation on 2019-20) 0.179 0.197 Amount as per FSR 2021-22 (Add 10% escalation on 2020-21) Amount as per FSR 2022-23 (Add 10% escalation on 2021-22) 0.217 Amount as per FSR 2023-24 (Add 10% escalation on 2022-23) 0.239 Amount as per FSR 2024-25 (Add 10% escalation on 2023-24) 0.263 Amount as per FSR 2025-26 (Add 10% escalation on 2024-25) 0.289 Amount as per FSR 2026-27 (Add 10% escalation on 2025-26) 0.318 Amount as per FSR 2027-28 (Add 10% escalation on 2026-27) 0.350 Amount as per FSR 2028-29 (Add 10% escalation on 2027-28) 0.384 Amount as per FSR 2029-30 (Add 10% escalation on 2028-29)