

PROCEEDINGS OF THE CHIEF CONSERVATOR OF FORESTS, KURNOOL CIRCLE, KURNOOL

Present : Sri J.S.N.Murthy, IFS.,
Chief Conservator of Forests
* * *

Rc.No.468/2017-TO

Dated:-29-04-2017

Sub: Forest Schedule of Rates for 2017-18 – Kurnool Forest Circle – Orders issued - Reg.

Ref: Minutes of Zone-IV FSR Committee Meeting held on 25-03-2017 communicated in Addl.CCF, WLM Circle, Tirupathi & Chairman, Zone-IV FSR Committee Rc.No.74/2017-M1, Dt.27.03.2017.

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In conformity with the provisions under section 98 of Forest Code as amended in Government Memo No.5801/For.I(1)/95, Dt.26.09.1995, the annual meeting of the Zone – IV FSR Committee meeting for revision of Forest Schedule of Rates for Zone-IV consisting of Addl. Prl.Chief Conservator of Forests, WLM Circle, Tirupathi and Chairman, Zone-IV FSR Committee, Chief Conservator of Forests, Anantapur Circle, Chief Conservator of Forests, Guntur Circle, Guntur, Chief Conservator of Forests, Kurnool Circle, Chief Conservator of Forests, Planning & Extension Circle, Kadapa and Conservator of Forests & Field Director, Project Tiger Circle, Srisaillam was held on 25.03.2017 at Bairlutu of Atmakur (WL) Division. Various issues were discussed and finalized.

In the light of decisions taken in the meeting and as per the minutes of the meeting of Zone-IV FSR committee, a comprehensive FSR for works in Kurnool Circle (Kurnool & Kadapa District) for the year 2017-18 has been finalized and approved for adoption during 2017-18. These FSR rates shall come into force with immediate effect and it will be in force till next revision.

The FSR for DET items will be in-force upto 30.09.2017, it will be revised with effect from 01.10.2017. DET items are also part and parcel of this FSR.

It is for the Divisional Forest Officers to exercise full financial control and discipline. The Divisional Forest Officers are requested to follow the FSR strictly without any deviation. Their attention is also invited to the circular instructions regarding the sanction of estimates, execution of works, check measurements etc. issued from time to time both the Prl. Chief Conservator of Forests, Andhra Pradesh, Hyderabad and Chief Conservator of Forests and ensure that the instructions are followed scrupulously without any violation. The FSR has been prepared with great care however if errors of typing or computing if any observed should be brought to the notice of the undersigned immediately to eliminate such errors. The Divisional Forest Officers should thoroughly scrutinize the operations as well as the rates given in all the chapters of this FSR and report any discrepancies/inconsistencies to this office immediately. They are cautioned that if they once accept and adopt these rates for sanctioning the works, this office cannot be held responsible for an lacuna or lapses noticed in future in this regard.

Receipt of the FSR should be acknowledged.


Chief Conservator of Forests,
Kurnool Circle, Kurnool.
29.4.17

To

All the Divisional Forest Officers & Sub-Divisional Forest Officers in the Circle through mail.

Copy to all Forest Range Officers of Kurnool Circle through the Divisional Forest Officers concerned through mail.

Copy to the Accounts Officer, Office of the Chief Conservator of Forests, Kurnool.

Copy to the Addl. Prl.Chief Conservator of Forests, WLM Circle, Tirupathi, Addl.

Prl.Chief Conservator of Forests, SF & WP Circle, Vijayawada, Chief Conservator of Forests, Anantapur, Chief Conservator of Forests, R&D Circle, Hyderabad, Chief Conservator of Forests, Guntur Circle, Guntur, Chief Conservator of Forests, P&E Circle Kadapa, CF/Field Director, Project Tiger, Srisailem and State Silviculturist, Tirupati.

Copy to all others Chief Conservators of Forests/Conservator of Forests in the state.

Copy to the General Manager (DPS) Andhra Pradesh Forest Development Corporation Limited, Hyderabad.

Copy to Project Director, DWMA, Kurnool/Kadapa

Copy submitted to Prl.Chief Conservator of Forests (Head of Forest Force), Andhra Pradesh, Hyderabad through mail.

Copy submitted to Prl.Chief Conservator of Forests, Wild life & Chief Wild Life warden, Andhra Pradesh, Hyderabad.

Copy submitted to Addl. Principal Chief Conservator of Forests, SF, CSS & Dev., Wildlife, FDA, Prod, HRD, Admin and Vig.& IT.

Copy submitted to Chief Conservator of Forests, Development, Production, FDA, PFC, Vigilance, Research, FCA, CFM, HRD, Admin, and T&E.

Copy to Chief Accounts Officer, O/o Prl. CCF, AP., Hyderabad.

Copy to AG : AP-II, Hyderabad.

Copy to Director of Works, Accounts, Andhra Pradesh, Hyderabad.

Copy to Joint Director of Works, Accounts, Kurnool and Kadapa.

Copy to PAO, Kurnool, APAO, SRBC Nandyal, PAO TGP, Kadapa.

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FOREST SCHEDULE OF RATES FOR THE YEAR 2017-18 KURNOOL CIRCLE (ZONE- IV)

(SPECIAL CONDITIONS)



1. The rates fixed in the Forest Schedule of Rates are maximum admissible. The Officers should observe strict economy combined with efficiency. It is imperative that wherever it is possible to reduce the rates considering the actual need and prevailing conditions, they should do so. In case of any bonafide doubts on any item in the Forest Schedule of Rates, the matter shall be referred to the Chief Conservator of Forests/Conservator of Forests for clarification and await orders. Any mistakes or errors noticed shall be reported immediately for carrying out corrections and issuing errata.
2. The expenditure should not exceed the budget allotment under any circumstances and the physical and financial targets should be achieved fully. Under no circumstances, the budget allotment should be exceeded under the pretext of Schedule of rates.
3. In respect of plantations and other works, if any item indicated in the Forest Schedule of Rates is found to be not necessary during the field inspection of the Officers, such items should not be adopted and corresponding savings should be effected the facts shall be reported to the Chief Conservator of Forests/Conservator of Forests.
4. No rate other than approved schedule of rates shall be allowed, without prior written permission of the Chief Conservator of Forests/Conservator of Forests. For any deviation in the standard technique, specifications or norms, prior approval of the Chief Conservator of Forests/Conservator of Forests should be obtained.
5. For any item of work not available in the FSR of this circle and if such item of work is essential and if it is available in the FSR of the adjoining Circle, the same can be adopted by taking prior permission from the Chief Conservator of Forests/Conservator of Forests.
6. For any essential item of work not included in the Forest Schedule of Rates neither in this Circle FSR nor in the adjacent Circles; the Divisional Forest Officers should submit proposals with field data for approval of such item of work and till such rate is approved, payment should not be made at the rate proposed.
7. All efforts are made to avoid any omissions or commissions in preparing the FSR. If there are still any inconsistencies in rates at different places in the FSR, or between the Special Conditions and the FSR rates, or the various instructions of Prl. CCF/ Government and the FSR Rates, it shall be the responsibility of the officer submitting the estimates as well as the officer sanctioning them to bring such inconsistency to the notice of Chief Conservator of Forests/Conservator of Forests immediately.

8. The FSR is applicable when the specifications indicated are strictly followed. The FROs and Section Officer shall be responsible for execution of works as per the specification. The expenditure shall be permitted only when the specifications are actually followed and the excess expenditure if any shall be recovered apart from taking suitable disciplinary action duly giving prior notice for such deviation. The Divisional Forest Officer who fails to follow these instructions will be held responsible for any defective works found by the Chief Conservator of Forests/Conservator of Forests or any senior inspecting officer/agency. This shall be brought to the notice of all concerned.
9. For replacement of casualties required under Raising and maintenance of plantations, proportionate rates based on the approved rates for planting, are to be worked out for actual number of plants involved, but not on area basis and expenditure to be incurred accordingly.
10. Replacement of casualties 20% during Raising year and 25% in 1st year (in case of Eucalyptus 10% during raising). 25% casualties replacement in 2nd year maintenance of plantation (except Eucalyptus) with prior permission of Conservator of Forests, Kurnool.

50% of rate of original pitting rate during raising year and 100% during maintenance years.
11. In case of plantations where watering is done, the replacement of casualties shall not be more than 15% (Ananthapur & Kurnool) in the year of raising and 10% (Ananthapur & Kurnool) in the 1st year maintenance.
12. If the percentage of casualties is in excess of these limits, specific written approval of the Chief Conservator of Forests/Conservator of Forests should be obtained. The actual number of plants replaced should be recorded in the plantation journal, M.Books etc.
13. Under production of Eucalyptus / Other NTFP rooted cuttings from CMA, for every 100 cuttings loaded into Mist chamber / Poly propagator / Poly-globule, a minimum of 60% successfully rooted cuttings should be produced, i.e., maximum of 40% allowance is given for the failure of rooting of cuttings.
14. For replacement of casualties in the year of raising, 50% of original rate shall be adopted for re-opening or re-digging of pits as per RSSR/FSR.
15. Re-opening or re-digging of pits in 1st year and sub sequent year maintenance plantations should be as per the rate adopted for digging the pits for the current year of existing FSR allowed for digging of pits. (as per RSSR/FSR)
16. The rate given for interploughings is for the gross area, which duly takes into account the planting lines areas also.

17. There shall be no casualty replacement during 1st year or 2nd year maintenance of Eucalyptus plantations. However casualty replacement of not more than 10% shall be permitted only if the casualties occur in large gaps and are not likely to be suppressed, with the prior approval of the Chief Conservator of Forests/ Conservator of Forests. (PCCF's Ref.No.2760/10/J3, dt.04.08.2010).
18. Replacement of casualties is allowed upto 20% in raising of Tissue Culture Teak plants.
19. Transportation of tall plants of various sizes the proportionate increase or decrease of rates should be adopted
20. In respect of certain items like poly-pots, root trainers, pump-sets, pipe lines, seed, plants, oils, equipment, fertilizers, chemicals, barbed wire etc., expenditure should be incurred at the competitive rates for the actual quantity required, by observing financial rules in vogue.
21. Expenditure on weeding and soil working, mulching, watering etc. should be limited to surviving plants only.
22. Transport rates approved in the Forest Schedule of Rates are inclusive of loading and unloading. The break-up of the rate will be as follows :
 - 70% on transport
 - 30% on loading and unloading.
23. In ghat roads steeper than 1 in 20, in Anantapur Circle the length of the road may be taken as 1.5 times the existing length of the road for the purpose of leads only for conveyance of materials based on the certificate for the ghat road given by the Divisional Forest Officer with prior approval by Chief Conservator of Forests/Conservator of Forests concerned.
24. For site preparation, the nature of standing growth and proposed technology should be assessed before adopting the rate.
25. In respect of Civil works like Roads and Buildings, CSSR of the State shall be adopted. For wells, kuntas and other SMC works not included in the Forest Schedule of Rates or EF&T G.O. for SMC works the CSSR shall be adopted.
26. In respect of roads and building earth works, the current common standard schedule of rates of Engineering Dept. may be adopted and increased percentages there under cannot be adopted without prior sanction of the Chief Conservator of Forests/Conservator of Forests.
27. For the earth work items carried out by Machine, the rates should be adopted as per the rates communicated by the Prl.Chief Conservator of Forests, Andhra Pradesh, Guntur from time to time.
28. For pitting in ploughed area, only 50% of the normal rate for digging pits shall be allowed. However, if pits are dug deeper than ploughed depth, for such portion of pits, which are deeper than the ploughed portion, normal rate for digging shall be allowed.

29. The Calendar of Operations prescribed in the Forest Schedule of Rates shall be generally adopted, but it could be rescheduled according to the seasonal fluctuations. However the changes made should be brought to the notice of the Chief Conservator of Forests/ Conservator of Forests.

Area Allowances: -

30. All allowances as provided in Common Standard Schedule of rates for Engineering Department shall be allowed, with the prior permission of the Chief Conservator of Forests/Conservator of Forests concerned.
31. 13% extra over the basic Forest Schedule of Rates on labour component shall be permissible for all the works situated within a radius of 10Kms from Talakona Waterfalls.
32. 20% extra over and above the Forest Schedule of Rates is allowed for all the works in respect of labour component only located in Nallamalai special tract in Kurnool, Prakasam and Kadapa Districts.
33. 30% extra over and above the Forest Schedule of Rates is allowed for all the works in respect of labour component within a radius of 15 Km from GBM Guest House and Pacheruvu Forest Guest House.
34. **Note:** For the works to be executed in an area eligible for more than one allowance, only one allowance with highest rate is permissible.
35. For every 100 poly pot seedlings required for departmental planting, 110 seedlings will be raised in the nursery. Expenditure will be charged for 110 upto sowing / transplanting stage. For other operations, expenditure will be only, for 100 polypot plants.
36. For every 100 polypot seedlings of 4"x7" & 5"x9" & 6"x12" that are required for departmental planting 115 bags will be purchased. For purchase of bags beyond 115 Nos. upto 120 Nos. prior permission of the CCF/CF is required. 110 bags will be filled with soil mix. They will be charged for 110 upto transplanting/sowing stages. Beyond this, watering, shifting and grading will be charged only for 100 polypot plants. If such permission is required for other types of Bags which are higher in size than the above three sizes of polythene bags, the same shall be allowed with specific written permission of the Conservator of Forests
37. In case of seedlings raised for distribution of 4"x7" & 5"x9", for 100 seedlings, 115 polythene bags will be purchased. For purchase of bags beyond 115 Nos. upto 120 Nos. prior permission of the CCF/CF is required. 110 bags will be filled and seedlings raised. 5% should be discarded by way of culling operations. At the end of distribution, the loss of polypot seedlings of more than 5% will require the ratification of the CCF/CF. Maint. will be done for 100% seedlings only. If such permission is required for other types of Bags which are higher in size than the above two sizes of polythene bags, the same shall be allowed with specific written permission of the Chief Conservator of Forests / Conservator of Forests.

38. In some nurseries the seedlings are being left over after the planting season due to various reasons like (a) drought conditions (b) lack of demand for seedlings, etc. In such cases, the left over seedlings have to be maintained till next planting season. For such left over seedlings, the FSR Zonal committee has decided to provide minimum care for their maintenance like watering, weeding, shifting, watch & ward, etc as per FSR provisions till they are planted or distributed to public. However it should be carried out with specific prior permission from the Chief Conservator of Forests / Conservator of Forests.
39. 50% in the primary stage and 20% in the secondary stage towards culling shall be allowed in raising Nursery under Special Schemes / Projects in Anantapur and Kurnool Circles.
40. No bag plants other than the sizes indicated in the FSR should be raised, except with prior written approval of the Chief Conservator of Forests/ Conservator of Forests.
41. For raising casuarina primary beds, other than sandy areas on the sea coast at in-land areas the rates and specifications as approved for raising Eucalyptus, Bamboo and miscellaneous primary beds under nursery section may be adopted provided the nursery centers are located 5 Kms. away from the sea coast subject to verification of the nursery sites by the Divisional Forest Officer/ inspection by Sub-DFO.
42. While sanctioning spillover works also, for the purpose of deciding competency of sanction the entire expenditure on the whole work is to be taken for the estimates sanctioned by the competent authority (PCCF's Circular No.13/87).
43. Maintenance of plantation in 3rd, 4th, 5th Year is allowed as per the provision made in the scheme subject to the availability of budget.
44. Operations during 3rd year maintenance, 4th year maintenance, 5th year maintenance to be taken up only with prior written permission of Chief Conservator of Forests/Conservator of Forests. The current year rates for the above items may be adopted.
45. The rates provided in the Forest Schedule of Rates are for watering with rose cans or pots, where pump sets are used for lifting the water. The rates does not include propulsion charges such as cost of oil, electricity etc. For nurseries where lifting of water is done manually, the watering rates may be increased by 50% in Anantapur and Kurnool Circles.

46. Norms for Petty Contract: -

Provision for Office & Field support not exceeding 3% of the wage component of any scheme / programme / project in a financial year is allowed, through service provider, as per the following norms : (The limit of 3% of wage component for such office / field support is subject to guidelines of the corresponding scheme / Programme / Project). The rates to be adopted for various categories are given in Chapter-V.

I. Through Service Provider for Office: -

a)	Technical Support in Field for CFM activities (with prior permission of the CCF/CF).	1 TM for every 15 VSS under Range Jurisdiction
b)	Office Support to Range Offices to whom Range Assistants are not provided.	1 No. NTM only
c)	Addl. Support to Range Offices executing CFM works.	1 No. NTM / TM only
d)	For Sub Division Office (with prior permission of the CCF/CF).	1 No. NTM / TM only
e)	For Division Office (with prior permission of the CCF/CF).	4 No. NTM / TM only
f)	For Circle Office	1 No. NTM / TM only
g)	For operating Computers in Range Office/ Sub Division Office / Division Office / Circle Office etc. to whom Computers are supplied, but there is no sanctioned post of Computer Operator	1 No. NTM / TM only
h)	For driving Jeep / Car, to whom Govt. Vehicles are provided, but there is no sanctioned post of Driver	1 TM only
i)	Provision for one field Assistant to Forest Range Officer on petty contract basis @ one per Range where there is not even a single person available in the Range, in the cadre of Forest Section Officers on account of either non sanction of the post or all the posts lying vacant, during the period of non-availability of Forest Section Officer in functional Divisions like P&E Divisions and WLM Division, with prior approval of the concerned Chief Conservator of Forests/Conservator of Forests subject to availability of budget is allowed as per the decision of Zonal committee which met at Guntur on 14-2-2002.	1 No. NTM
j)	One person to be provided for (5) Mandals on contract basis to assist the FSO & Self Help Groups in raising seedlings and plantations, to collect data on distribution and survival of seedlings, enumerations of old plantations, during the information from MPDOs and NGOs under Clean and Green programme at the rate approved for unskilled contractor.	One person of unskilled contractor.

k)	Night watchmen for RS Depots	Two persons of unskilled labours
l)	Watch & Ward for each Environmental Education Centre.	One skilled labour (day time) and one unskilled labour (night time).

II. Petty Contract for Field Operations: -

A. Nurseries: (Common for Zone)

a) Provision for One watch and ward for every Central Nursery with mist and hardening chamber, maintenance of pump set, equipment, materials etc.
b) Provision of two watch and ward (one for day and one for night) to Central Nursery cum Technology Dissemination Centre
c) Provision of one watch and ward for other Field Nurseries for maintenance of pump set, equipment, materials etc

B. Plantations: -

a. Raising and Maintenance Years (in series) including plantations raised by VSS.

One watcher is allowed for 20 Ha. plantation. If the area is less prior approval of CCF/CF is required	
i) Watch and Ward Above - 2 No.	20-75 Ha.
ii) Watch and Ward Above - 3 No.	75-150 Ha.
b) Bamboo rehabilitation area upto – 1 No.	100 Ha.
c) Karthikavanam – 1 No.	
d) Avenue plantations planted on both sides – 1 No.	5 Km
i) Avenue plantation planted on one side – 1 No.	8 KM
ii) Avenue strip plantation – 1 No. (Ancillary rows including avenue rows)	2.50 KM

C. Arboretum Plots:-

Watch and Ward for Arboretum for replacement of casualties, watering young plants and other operations with specific approval of CCF/CF – 1 No.	Plot/Month
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D. Elephant Trackers:-

(a) Elephant Trackers in Koundinya Elephant Sanctuary in Chittoor West division (Semi Skilled Labour) and they can be engaged in other areas also where elephants are existing	
(b) Animal Keeper – skilled labour	
(c) Labour for fodder garden maint. - skilled	

E. Timber & Fuel Coupes/Plantations:-

From the date of commencement of working till disposal of produce from the coupe / plantation site	
1 unskilled labour with specific approval from CCF/CF	Upto 20 Ha.
1 skilled labour	20.1-40 Ha.
1 skilled & 1 unskilled labour	40.1-100 Ha.
1 skilled and 2 unskilled casual labourers	Above 100 Ha.

F. Woodlots:-

Development / Rehabilitation of Community and Government waste lands / tree groves / wood lots up to 2 ha. One watch and ward for carrying out watering, soil working, weeding, watch and ward (Raising year to 3 rd Year maintenance) – 1 No.	Upto 2 Ha.
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47 Importation of Labour and Labour amenities:-

If the local labour available is not adequate and labour has to be imported for executing the work, on the basis of certificate of Divisional Forest Officer to this effect, a maximum of 13% of total labour component, i.e., 10% towards labour importation and 3% towards labour amenities, shall be permitted by the Chief Conservator of Forests/Conservator of Forests. This will be in addition to the local area allowances as applicable.

48 Miscellaneous:-

The rates admitted for bamboo extraction are dealt with in a separate section as per Prl. Chief Conservator of Forests Circular 1/92 communicated in Ref.No.13191/92/J3, dt. 26-3-1992. However, all the above special instructions, norms, etc, are applicable to Bamboo section also.

49 Maintenance of Plantations is allowed up to 5th year in respect of Compensatory Afforestation Project (CAP) plantations as approved in the schemes subject to availability of funds. The items of operations will vary depending upon the species raised and the locality factors. The Divisional Forest Officers should obtain prior permission from the Chief Conservator of Forests/Conservator of Forests for the items of works to be carried out.

50 Maintenance of plantations during 6th year to 10th years is allowed in respect of CA projects as per the provision made under CA project subject to availability of budget. The Divisional Forest Officers should obtain prior permission from the Chief Conservator of Forests/Conservator of Forests for the items of works to be carried out.

51 The seed of different species required for raising nurseries should be obtained from the Research and Development Circle, Hyderabad as per the direction of the Principal Chief Conservator of Forests by placing indents well in advance. In case, the required seed is not available or not able to be supplied by the R&D Circle within time and also not available locally for collection / purchase, the Divisional Forest Officers may purchase such seed from the reputed seed suppliers by giving advance intimation of the species wise requirement of seed to the Chief Conservator of Forests/Conservator of Forests with justification before purchase is made. The Divisional Forest Officer should also get the seed Collected from known source from the identified plantations. Preference should be given to collection seed locally of high genetic quality by VSS members by selecting trees of Pongamia.

- 52 Where plantations with different espacements other than those prescribed in Forest Schedule of rates are required to be raised as per the techniques communicated by the Principal Chief Conservator of Forests in all such cases Proportionate rates of the rates for similar mode/type of plantations as approved in the Forest Schedule Rates shall be adopted.
- 53 The Committee has also discussed about the watering to be allowed to the plantations. The Committee has also examined the instructions issued by the Prl. Chief Conservator of Forests, Andhra Pradesh, Hyderabad regarding “not to take up watering to any plantations until and unless it is permitted by the Head Office”. The committee has decided that watering item at the time of planting can be adopted and no watering should be done during lean or dry season. The committee has also decided that the concerned Chief Conservator of Forests / Conservator of Forests may request the Prl. Chief Conservator of Forests, Andhra Pradesh, Hyderabad for watering whenever it is found essential by them in their circles.
- 54 The guidelines issued by the Principal Chief Conservator of Forests and Chief Conservator of Forests/Conservator of Forests through circular and other instructions from time to time for improving the plantations and nursery techniques should be followed without any deviation.

55 **WIRELESS SET MAINTENANCE:-**

- As per the instructions of Principal Chief Conservator of Forests in Rc.No.31076 / 91- Ft-2 Dt.28-5-1991, if there are minor repairs and adjustment and if difficulty has been experienced in attending minor repairs, the Divisional Forest Officers have to contact Zilla Sainik Boards and obtain the name of retired military personal who are experienced in radio signals and employ them on rate contract basis as per the provisions of employment exchange regulations and to be paid as per CSSR of the District concerned.
56. The committee unanimously resolved to adopt a general hike of 12% on wage component and 5% on non wage component, as per the Zone-IV FSR Committee decided vide Addl.PCCF, WLM Circle, Tirupathi & Chairman, Zone-IV FSR Committee Rc.No. 74/2017-M1, Dt.27.03.2017.
 57. In view of the instructions issued by the Prl. Chief Conservator of Forests (WL) and Chief Wildlife Warden, A.P., Hyderabad in Rc.No. 29130/05/WL-2, dt. 22.3.2007 to the Conservator of Forests, Anantapur and the then Chairman of FSR Zone-IV Committee to delete the item Nos.118,119 & 120 from the purview of FSR and their wages may be fixed as per the rates approved by the Dist. Collector or the Commissioner of Labour for unskilled, semi skilled and skilled depending on the requirement as the case may be and as suggested by the Prl. Chief Conservator of Forests (WL) that however, presently, whatever rate that is being paid to the labour may be continued till it coincides with that of the rate prescribed by the Dist. Collector or the Commissioner of Labour. Hence the item No. 118, 119 & 120 existing in the FSR 2006-07 of Anantapur Circle are deleted from the FSR of 2007-08 and the following rates shall be continued till it coincide with that of the rate prescribed by the Dist., Collector or the Commissioner of the labour.

1	Maintenance of Animal Enclosures including feeding of animals, cleaning of enclosures, night house and day cage, watch and ward , maintenance of plants and hedges at enclosures on petty contract basis @ one keeper per enclosure – Skilled labour.	As per Collector wage rates.	Each keeper / month
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The above labour shall be engaged through a service provider.

58. The Prl. Chief Conservator of Forests, AP.Hyderabad in D.O. Rc.No. 9834/06/J4, dt. 27.11.2006 has issued instructions on revision of FSRs by the Zonal Committee Chairman to take into consideration the common items of works taken up in the district under NREGS for a decision. The committee has discussed the common items of work approved by the Govt., in G.O.Ms.No.30, PR&RD(RD-II) Dept., Dt.04.04.2016 (enclosed as special annexure) and found more beneficial to VSS members/labours and decided to be included into the FSR of 2017-18.
59. In view of the instructions issued by the Prl. Chief Conservator of Forests, A.P., Hyderabad in the meeting of preparation of annual plan for the year 2007-08 and progress of expenditure during 2006-07 under APCFM held on 10th and 11th April'07 communicated in PCCF's Rc.No. 14740/07/PMU-III/2, dt. 23.4.2007 the use of FYM and Chemical Fertilizers has to be dispensed with immediate effect and replace with vermicompost. The rate of vermicompost is given as Rs. 3.50 per kg (+) by adding hike increased.
60. The expenditure on contingencies shall be as per actuals not exceeding 2%.
61. The Prl. Chief Conservator of Forests, A.P, Hyderabad in the review meeting at Nellore on 26.12.2008 suggested to engage persons for scrutinizing the pending old estimates and completions reports. This issue was discussed by the Zone-IV FSR committee on 18.02.2009 and approved the following rates for the categories of works noted against in each which are based on the data furnished by the Chief Conservator of Forests, Kurnool Circle, Kurnool for old completion reports prior to PAO system.
- | | | |
|----------------------|---|----------------|
| i) Nursery | - | Rs.55.00 each |
| ii) Plantation works | - | Rs.83.00 each |
| iii) Civil woks | - | Rs.500.00 each |
62. For engaging Veterinary Assistant for assisting the Veterinary Doctors and Biologist in S.V.Z.P. Tirupati as per the justification including CZA's guidelines and also the letter addressed by the Chief Conservator of Forests, WLM Circle, Tirupati to the Prl. Chief Conservator of Forests, A.P, Hyderabad requesting to sanction the posts and till the posts are sanctioned by the Government engaging Veterinary Assistant and Biologist are mandatory as per the CZA guidelines subject to following the rates and qualifications as per the Government orders.



CALENDER OF OPERATION FOR REGENERATION WORKS IN KURNOOL CIRCLE

1. Eucalyptus Primary Beds

A) Formation of beds	1 st Week of November
B) Sowing of Seed	2 nd Week of November
C) Weeding	December to February (4times)

2. Miscellaneous Primary Beds

A) Formation of beds for slow growing species including NTFP species	April – June- depending on seed availability and its viability.
B) Formation of beds for fast growing Species	Sept/October.

3. Container plants Nursery

A) Collection of soil mixture & Bag filling	<p>A) May/June (for slow growing species Including NTFP)</p> <p>B) October/November (For fast growing species)</p>
B) Transplanting into polypots	<p>A) June/July (For slow growing species including M.F.P.)</p> <p>B) November/December (For fast growing species)</p>
C) Direct sowing into polypots	<p>In general direct sowing into poly pots shall be avoided. Only pre-germinated seeds or seedlings having three pairs of leaves in primary beds shall be transplanted in poly pots. Wherever direct sowing of seeds is inevitable, it shall be completed by end of October except babul which has to be sown in February for 1 phase and July for 2nd phase.</p>
D) Weeding	<p>Once in a month upto March.</p> <p>Once in a month from April onwards – (maximum of 4 times).</p>

E) Shifting and Grading of Eucalyptus and other seedlings except babul	Once in a month after three months of transplanting/sowing (only 2 shifts)
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4. Eucalyptus and other Plantations (Semi-Mechanical method)

A) Clearance of existing growth and burning	Nov/December
B) Uprootal of stumps by machines	Nov/December
C) Ploughing/pitting	June/July.
D) Planting	June/July
E) Replacement of casualties	August
F) Weeding cum interploughing	September and December
G) Weeding cum soil working Around plant.	September and December
H) Fire tracing	February/March

5. EUCALYPTUS AND OTHER PLANTATIONS (Labour Intensive method)

A) Clearing of growth and burning	December
B) Digging of pits	June/July
C) Planting	June/July
D) Replacement of casualties	August
E) 1) Cutting of rank growth	August
2) Weeding and soil working	September
F) Weeding and soil working	December/January
G) Fire Tracing	February/March.

6. AVENUE AND CANAL BANK NURSERY (Container plant nursery)

A) Procurement of containers	May/June
B) Filling soil mixture in the container	June/July
C) Digging of trenches	June/July
D) Transplanting of small plants (either Bare root or polypot plants) and Arranging in the trenches including Filling voids	July/August
E) Watering by flooding (excluding rainy Days)	Once in a week upto March
F) Weeding	October to March (8 times)

MAINTENANCE OF THE NURSERY

G) Watering by flooding once in a week	Till the time of planting.
H) Weeding 3 times	Till the time of planting.

- | | |
|---|------------|
| I) Digging out container plants from the Trench and keeping under shade for Conditioning. | June/July. |
|---|------------|

7. TRENCH NURSERY

- | | |
|---|---------------------------------------|
| A) Digging the trench and refilling with Soil mixture. | June/July |
| B) Scooping the soil in the trench bed and Planting the bag plant with the ball of Earth. | July/August |
| C) Watering the trench plant through Flooding once in a week | July to March
avoiding rainy days. |
| D) Weeding 8 times in 8 months. | August – March. |

MAINTENANCE OF THE NURSERY

- | | |
|---|----------------------------|
| E) Burrowing by the side of the trench Plants, cutting tap root and refilling The burrow. | April |
| F) Transferring the trench plant into 12"x18" polypot for conditioning | April/May |
| G) Weeding the container plants once in A month. | Till the time of planting. |
| H) Application of fertilizer. | June. |

8. RAISING SHELTER BELT (AVENUE/ CANAL BANK) PLANTATIONS:-

- | | |
|---|--|
| A) Aligning, marking and digging pits | April/May |
| B) Supply of farmyard manure at the pit site | May/June |
| C) Transport of plants from nursery to pit site | June to 15 th June |
| D) Planting and providing tree guards | 15 th June to 30 th June if there is no rain watering to done. |
| E) Digging circular trench around the plant | July |
| F) Replacement of casualties and application of fertilizers | August |
| G) Soil working | December/January |

MAINTENANCE

- | | |
|---|----------|
| H) Renewal of fencing and replacement of casualties | July |
| I) Application of fertilizers | August |
| J) Soil Working | December |
| K) Desilting of trench | December |

CHAPTER - I

01-NURSERIES

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	01-01	<u>The rates of collection of different species of the seed is as follows:/ Procurement of clean, Graded and Viable seed including transport:-</u>		
1	01-01-001	Teak (Clean & Graded) / Tectona grandis	87.03	Kg
2	01-01-002	Tellamaddi / Terminalia arjuna	87.03	Kg
3	01-01-003	Nallamaddi / Terminalia tomentosa	87.03	Kg
4	01-01-004	Eucalyptus / Eucalyptus	219.39	Kg
5	01-01-005	Sandal wood / Santalum album	130.35	Kg
6	01-01-006	Red sanders / Pterocarpus santalinus	87.03	Kg
7	01-01-007	Tuniki / Diospyros melanoxylon	25.88	Kg
8	01-01-008	Yegisa / Pterocarpus marsupium	95.21	Kg
9	01-01-009	Rosewood / Dalbergia latifolia	219.37	Kg
10	01-01-010	Narayepi / Hardwickia binata	95.21	Kg
11	01-01-011	Kunkudu / Sapindus emarginatus	219.36	Kg
12	01-01-012	Neem / Azadirachta indica	43.53	Kg
13	01-01-013	Tamarind / Tamarindus indica	43.53	Kg
14	01-01-014	Buruga / Bombax ceiba	43.53	Kg
15	01-01-015	Kanuga / Pongamia pinnata	69.60	Kg
16	01-01-016	Allaneredu / Syzygium jambolonum	197.78	Kg
17	01-01-017	Neredu / Syzygium cumini	150.02	Kg
18	01-01-018	Dirisanam / Albizzia lebbeck	219.94	Kg
19	01-01-019	Nallatumma / Acacia nilotica	87.03	Kg

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
20	01-01-020	Sissoo / Dalbergia Sissoo	72.23	Kg
21	01-01-021	Subabul / Leucena leucocephala	86.01	Kg
22	01-01-022	Subabul (Pedigree)		
23	01-01-023	Usiri / Emblica officinal	164.58	Kg
24	01-01-024	Veduru (Cleaned) / Dendrocalamus strictus (Bamboo)	219.94	Kg
25	01-01-025	Seematangedu / Cassia siamea	158.21	Kg
26	01-01-026	Gara	43.00	Kg
27	01-01-027	Prosopis	43.00	Kg
28	01-01-028	Melia dubia	150.26	Kg
29	01-01-029	Agave/ Aloe vera suckers having not less than 6 leaves and 15 cm size including transport.	173.50	100 Nos.
30	01-01-030	Agave Bulbils	87.03	100 Nos.
31	01-01-031	Agave suckers transport upto 10 Km	13.23	100 Nos.
32	01-01-032	Agave suckers transport above 10 Km upto 25 Km	24.73	100 Nos.
33	01-01-033	Agave suckers transport above 25 Km upto 50 Km	32.93	100 Nos.
34	01-01-034	Agave suckers - transport above 50 km as per actuals by engaging lorries. Permission from CCF / CF		
35	01-01-035	Parlmyra Nut (Excluding transport) /	259.80	100 Nos.
36	01-01-036	Other misc.seed (not covered above) As per actuals with prior approval of the CCF/CF.	127.86	Kg
		<p><i>Note :- 1) Whenever the seeds are being collected from the GCC the rates fixed by GCC shall be adopted.</i></p> <p><i>2) When the seeds are graded and tested for germination, it is desirable to get the seed from R&D Wing. The Chief Conservator of Forests R&D Circle, shall inform that what are the seeds been tested by R&D, so that for those seeds the condition of getting certified seed will be imposed.</i></p>		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	01-02	<u>(I) PRIMARY BEDS</u>		
		Raising of Primary beds of size 1 X 1 X 0.3m for raising Eucalyptus, Bamboo and other Miscellaneous Species.		
37	01-02-001	Preparation of New site - by clearing miscellaneous unviable Jungle growth, uprootal of stumps and removal of surface stones, pebbles etc.,	5.01	Bed
38	01-02-002	Preparation of Old site - by clearing the site by dismantling old beds	1.24	Bed
39	01-02-003	Digging soil to a depth of 30 cm. (as per CSSR)	37.13	Bed
40	01-02-004	Cost of sandy soil 50% of dugged quantity and transportation taken from private lands, with 5 kms lead loading and unloading charges by manual means (Sandy soil and FYM. in 5:1 proportion) 0.125 cum per bed. (as per CSSR)	31.10	Bed
41	01-02-005	Cost and transport of Farm yard manure (Sandy soil and FYM. in 5:1 proportion) 0.025 cum per bed.	As per actuals	Cum
42	01-02-006	Preparation of soil mixture of red earth/sand and farm yard manure in 5:1 proportion and formation of bed by refilling the excavated portion of the bed and filling of bed.	10.37	Bed
43	01-02-007	Cost of seed	As per actuals	Kg
44	01-02-008	Sowing of seed and covering the bed with hay including cost and conveyance to a thickness of 2.5 cm.	11.79	Bed
45	01-02-009	Watering the primary nursery beds with rose water cans for a maximum period of 2 months.	13.23	Bed/Month
46	01-02-010	Weeding the primary beds. Maximum of 2 times	1.96	Bed/Month
47	01-02-011	Curbing the beds all around with Cement Bricks.	As per CSSR	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		<u>Bamboo Rhizome:-</u>		
48	01-02-012	Collection of Bamboo Rhizomes of size 2 cm stem and 2 ft. height	0.38	Each
		<u>Bag Plant Nursery:-</u>		
	01-03	<u>Raising of Bag Plant Nursery:-</u>		
		Raising of Bag plant nursery in Polythene bags of different sizes and arranging in beds :: (Bed size 10 X 1M)		
49	01-03-001	Site preparation for new sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.,	50.60	Bed
50	01-03-002	Site preparation for old site - Clearing of growth, weeds, grass etc.,	12.69	Bed
51		Cost and transport of ingredients for Potting mixture Red Soil and Clayey Soil in 2:1 ratio. (as per CSSR)		
	01-03-003	10 cm X 17.5 cm (4" X 7") - 0.56 cum.	139.53	1000 Nos.
	01-03-004	12.5 cm X 22.5 cm (5" X 9") - 1.12 cum.	279.23	1000 Nos.
	01-03-005	15 cm X 30 cm (6" X 12") - 2.15 cum.	535.96	1000 Nos.
	01-03-006	20 cm X 30 cm (8" X 12") - 3.82 cum. For Fresh filling Only not for conversion.	952.39	1000 Nos.
	01-03-007	20 cm X 30 cm (8" X 12") - (3.82-0.56) cum. Conversion from root trainers/ 4"x7" bags to 8" X 12".	812.84	1000 Nos.
52		Preparation of potting mixture Red Soil and Clayey Soil in 2:1 ratio by powdering of various ingredients, sieving and mixing them in the prescribed proportion, Opening the bags and filling with potting mixture and gently pressing the same with finger tip and arranging in beds.		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	01-03-008	10 cm X 17.5 cm (4" X 7") - 0.56 cum.	415.05	1000 Nos.
	01-03-009	12.5 cm X 22.5 cm (5" X 9") - 1.12 cum.	667.29	1000 Nos.
	01-03-010	15 cm X 30 cm (6" X 12") - 2.15 cum.	1270.21	1000 Nos.
	01-03-011	20 cm X 30 cm (8" X 12") - 3.82 cum. For Fresh filling Only not for conversion.	2703.26	1000 Nos.
	01-03-012	20 cm X 30 cm (8" X 12") - (3.82-0.56) cum. Conversion from root trainers/ 4"x7" bags to 8" X 12".	2288.21	1000 Nos.
53	01-03-013	Cost of polythene bags	Tender Rate: 4X7 and 5X9 200 guage: 6X12 and 8X12, 400 guage.	Per Kg/MT
54	01-03-014	Picking out seedlings from primary beds and transplanting in bags.	134.52	1000 Nos.
55	01-03-015	Sowing /dibbling of pre-treated seed directly into the bags including cost of treatment.	79.97	1000 Nos.
56	01-03-016	Watering the plants twice a day for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags)	248.66	Per bed/month
57	01-03-017	Weeding only two times for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags)	47.94	Per bed/weeding
58	01-03-018	Shifting and grading and re-arranging in beds for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags) Only once.	219.75	Per bed/shifting
59	01-03-019	Cost of chemicals, insecticides, pesticides etc.,	As per actuals	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Maintenance of bag nursery From April to July		
60	01-03-020	Watering the plants for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags; 1100 6"X12" bags and 800 8"X12" bags)	248.66	Per bed/month
61	01-03-021	Weeding maximum four times during maintenance year for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags)	47.94	Per bed/weeding
62	01-03-022	Shifting and grading and re-arranging in beds for 10 m X 1 m size bed maximum two shifts (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags)	219.75	Per bed/shifting
63	01-03-023	Cost of cow dung slurry	As per actuals	
64	01-03-024	Application of cow dung slurry at the rate of 100ml to 250 ml. per plant depending upon the size of the plant monthly twice maximum of 3 times. (Once in raising and two times in maintenance) <i>Note:- Watering should not be done 12 hours before and after application of cow dung slurry</i>	199.10	1000/ per time
		Maintenance of bag nursery From August onwards till disposal:-		
65	01-03-025	Watering the plants for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags)	124.33	Per bed/month
66	01-03-026	Shifting and grading and re-arranging in beds for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags) (With prior permission of CCF/CF)	219.75	Per bed/shifting

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
67	01-03-027	Contingencies/ Cost of Pipes/ Nursery Board/ Nursery implements/ Electricity Bill/ Running and Maintenance Charges of Oil Engine (Bills to be verified and certified by the ACF/DFO) etc.	As per actuals (Subject to maximum of 10% estimate cost during raising year 5% of the estimate cost during maintenance year.	
68	01-03-028	<u>Brush wood fencing around the Nursery Site:</u> 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 1.5m and fencing material should be fixed in 2 rows (staggered) at 30cms apart. The fence should be tightened horizontally by tying with thorny reapers on both sides. With specific permission of DFO.	25.31	Rmt
69	01-03-029	Maintenance of brushwood fencing (1/3rd rate of brush wood fencing)	9.00	Rmt
70	01-03-030	Cost of Protection (One watcher is allowed upto 100 beds nursery under all the schemes and more than 100 beds one more watcher is allowed.)	As per District Collector Wage Rate	Per Day
	01-04	<u>TEAK NURSERY:-</u>		
		Raising of Teak Nursery bed: (Bed size 10 X 1X 0.25 m)		
		A) Advance year operations		
		Preparation of site by clearing growth of unwanted species, uprootal of stumps and removal of surface stones etc.		
71	01-04-001	New site	50.08	Bed
72	01-04-002	Old site	12.52	Bed

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
73	01-04-003	Tractor ploughing two times in criss cross direction and levelling the site.	14.07	Bed
74	01-04-004	Alignment and formation of beds to a height of 25 cm. by dumping the soil from the gap portion in between the beds and from margins of the nursery and levelling the bed.	95.60	Bed
75	01-04-005	Curbing the beds all around with Cement Bricks.	As per CSSR	
		B) Raising year operations		
76	01-04-006	Cost/Collection of Teak seed @ 5Kgs/bed including transportation	As per actuals	
77	01-04-007	Pretreatment of teak seed by spreading on ground, alternate wetting and drying for a period of 20 to 30 days or till the outer coat becomes soft and beating with wooden mallet to remove the seed coat until the ridges on the seed are visible	24.16	Per bed
78	01-04-008	Sowing of treated teak seed in lines of 10 cms apart at a depth equal to thickness of seed along the width of the bed and covering the seed with their layer of earth and further covering with hay to 2.5 cm. thickness.	31.62	Bed
79	01-04-009	Cost of hay and conveyance to nursery site.	34.34	Bed
		Watering the beds during non-rainy day as per the following schedule. (Maximum 50 Waterings during raising and maintenance)		
80	01-04-010	i) For first 20 days after sowing in alternate days -10 waterings	7.25	Bed/ watering
81	01-04-011	ii) Next 20 days once in every 4 days 5 waterings	7.25	Bed/ watering

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
82	01-04-012	iii) Upto December(non rainy days) - once in 6 days	7.25	Bed/ watering
83	01-04-013	iv)Upto March once in 15 days - 2 waterings/month.	7.25	Bed/ watering
84	01-04-014	Keeping the beds free from weeds by weeding out the grass and other miscellaneous weed growth. (Weedings @ 1 weeding per month)	13.63	Bed/time
85	01-04-015	Cost of fertilizers	As per actuals	
86	01-04-016	Application of fertilizers.	3.47	Bed
87	01-04-017	Cost of Thimmet	As per actuals	
		Application of thimmet @ 150 gm. Per bed against grub attack twice.		
88	01-04-018	a) 50 gm. At the time of sowing seed	17.76	Bed
89	01-04-019	b) 100 gm. At the time of beginning of the grub attack (With specific permission of DFO)	17.76	Bed
90	01-04-020	Deleafing of wolf plants 4 times as and when necessary	3.63	Bed
91	01-04-021	<u>Brush wood fencing around the nursery area:</u> 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 1.5m and fencing material should be fixed in 2 rows (staggered) at 30cm. apart. The fence should be tightened horizontally by tying with thorny reapers on both sides	25.31	Rmt
		C) 1st year maintenance of Teak nursery		
92	01-04-022	Watering the beds from April to July once in 15 days - 2 waterings/month.	7.25	Bed
93	01-04-023	Applications of insecticides/ pesticides to control insect / pest diseases for each application.	3.47	Bed

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
94	01-04-024	Cost of insecticides	As per actuals	
95	01-04-025	Cost of Protection (One watcher is allowed upto 100 beds nursery under all the schemes and more than 100 beds one more watcher is allowed.) (as per RSSR 2012-13 vide G.O.Ms.No.98,	As per District Collector Wage rate	Per Day
96	01-04-026	Contingencies/ Cost of Pipes/ Nursery Board/ Nursery implements/ Electricity Bill/ Running and Maintenance Charges of Oil Engine (Bills to be verified and certified by the ACF/DFO) etc.	As per actuals (Subject to maximum of 10% of estimate cost during raising year and 5% of the estimate cost during maintenance year.)	
	01-05	RAISING AGAVE NURSERY BED OF 12mx1.25mx0.15m (660 suckers per bed):		
97	01-05-001	Preparation of Nursery site	2.28	Bed
98	01-05-002	Formation of bed after ploughing and cross ploughing 0.30 Mts. Deep and raising the bed 0.15 m height above the ground level including breaking clods, etc.	87.16	Bed
99	01-05-003	Planting suckers at 15 cms. spacing	86.12	Bed
100	01-05-004	Line dressing	14.06	Bed
101	01-05-005	Watering the nursery during the dry period.	43.27	Bed
102	01-05-006	Cost of Vermicompost including transport (upto 5Km) and application.	8.77	1 Kg
103	01-05-007	Weeding agave bed two times in raising year/same operation under raising year may be followed for maintenance.	11.52	1 bed/ weeding

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	01-06	<u>1ST YEAR AND 2ND YEAR MAINTENANCE OF AGAVE NURSERY:</u>		
104	01-06-001	Watering the nursery during dry period	34.38	Bed/Month
105	01-06-002	Weeding the beds 4 times	11.52	Bed/time
	01-07	<u>Trench Beds Secondary Beds</u>		
106	01-07-001	Digging trenches of size 15x0.60x0.35 M for 100 plants in two rows (plant to plant 30 cms apart)	As per CSSR	
107	01-07-002	Watering to trench plants (Oct.-March) by flooding including formation of channel excluding rainy days at least once in three days or as and when required including application of vermicompost and Pesticides.	64.41	100 bags/month
108	01-07-003	Digging and taking out the poly pots from the trench keeping under shade for conditioning before planting in the field June/July including watering the plant for one month	2.70	Each
109	01-07-004	Weeding the trench plants once in a month (Nov-march) five times including scraping the top soil in the trench twice a month.	19.61	100 plants month
110	01-07-005	Land rent for nurseries raised in private lands (5"x9") size	31.38	1000 bags/month

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	01-08	<u>Raising of 14"x20" Tall Plant Nursery:</u>		
111	01-08-001	Cost of H.D.P.E. Woven sacks / polythene bags.	As per competitive market rates by calling tenders / quotations	
112	01-08-002	Procurement of Red earth / forest soil / tank silt, Sand, Farm Yard Manure in the ratio of 1:1:1, breaking the clods, sieving, stacking each of the ingredients separately at the nursery site for 14"X20" bags or woven sacks.	11361.54	1000 bags
113	01-08-003	Mixing the Red earth / forest soil / tank silt, Sand and Farm Yard Manure in the ratio of 1:1:1 and filling in the polythene bags of 14"X20" size and duly arranging in single row with an espacement of 75cms between the rows after scrapping the earth of the nursery site.	4203.06	1000 bags
114	01-08-004	Transplanting 4"X7" or 5"X9" bagged seedlings into the 14"X20" size bags after removal of the polythene cover, alongwith the trimmed ball of earth during September.	196.07	1000 bags
115	01-08-005	Watering the 14"X20" size polybags, twice a day, where pipeline with shower sprinkler are laid out in the nursery. From September to March.	840.64	1000 bags per month
116	01-08-006	Watering the 14"X20" size polybags, twice a day, where No pipeline are laid out in the nursery. From September to March.	1377.39	1000 bags per month
117	01-08-007	Shifting and Grading of 14"X20" size bagged seedlings (two times over a period of 7 months)	294.38	1000 bags per time
118	01-08-008	Weeding of the 14"X20" size bag seedlings, once in a month (after 2 months of transplanting not exceeding 5 times)	108.04	1000 bags per time
119	01-08-009	Application of DAP to the seedlings @ 5 (Five) grams per plant for 2 times (Starting from 3rd month in every 2 months)	57.72	1000 bags per time

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
120	01-08-010	Cost of Fertilizers and pesticides.	Actuals	
121	01-08-011	Cost of tar coated Bamboo stakes of 2.00 Mt. length and 2.50 Cm breadth size for supporting the tall plants.	6.60	Each
122	01-08-012	Fixing of support stakes to the seedlings	369.70	1000 Nos.
		Maintenance		
123	01-08-013	Watering the 14"X20" size polybags, twice a day, where pipeline with shower sprinkler are laid out in the nursery. From April to August	840.64	1000 bags per month
124	01-08-014	Watering the 14"X20" size polybags, twice a day, where NO pipeline are laid out in the nursery. From April to August.	1377.39	1000 bags per month
125	01-08-015	Shifting and Grading of 14"X20" size bagged seedlings (three times over a period of 5 months)	294.38	1000 bags per time
126	01-08-016	Weeding of the 14"X20" size bag seedlings, once in a month not exceeding 3 times)	108.04	1000 bags per time
127	01-08-017	Application of DAP to the seedlings @ 5 (Five) grams per plant for 1 time.	57.72	1000 bags per time
128	01-08-018	Cost of Fertilizers and pesticides	Actuals	
129	01-08-019	Application of Cow dung slurry / pig manure / poultry manure etc.	184.33	1000 bags



CHAPTER - II

PLANTATIONS

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	02-01	<u>PLANTATIONS IN SANDY SOILS:-</u>		
1	02-01-001	Formation of saucer around plants with diameter of 1 Mt.	217.30	100 Nos.
2	02-01-002	Clearing / removal of growth of spinifix lictoralies	2050.52	Ha
		<u>PLANTATIONS IN SOILS OTHER THAN SANDY SOILS:-</u>		
	02-02	<u>Plantation Works - Common & General Items</u>		
		Advance operations (Preplanting operations)		
3	02-02-001	Survey with GPS (Only staff to carry out) one manday is allowed for assistance (as per RSSR)	194.00	Plantation
		Preparation of site for planting by clearing thorny unsalable, unusable jungle growth, creepers, bushes etc. spreading the cut material allover the site and burning the same.		
4	02-02-002	Sparse Jungle growth (< 10% ground area covered Jungle growth)	1894.61	Ha.
5	02-02-003	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth)	2848.17	Ha.
6	02-02-004	Light Jungle growth (> 20% and upto 30% ground area covered with Jungle growth)	5707.10	Ha.
7	02-02-005	Medium Jungle growth (> 30% ground area covered with Jungle growth)	8592.85	Ha.
8	02-02-006	Formation of sector lines / fire lines of 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. Applicable for plantations other than Semi Mechanical Plantation.	5.55	Rmt

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Uprootal of stumps to a depth of 45 cm (excluding unsuitable patches) with heavy machinery fitted with 0.90 cum and above capacity bucket, filling the pits caused by uprootal and leveling.		
9	02-02-007	Sparse Jungle growth (< 10% ground area covered Jungle growth)	7466.26	Ha.
10	02-02-008	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth)	11963.79	Ha.
11	02-02-009	Light Jungle growth (> 20% and upto 30% ground area covered with Jungle growth)	15554.73	Ha.
12	02-02-010	Medium Jungle growth (> 30% ground area covered with Jungle growth)	20345.57	Ha.
		Collection and removal of uprooted stumps of all sizes, other debris etc., to outside the plantation site.		
13	02-02-011	Sparse Jungle growth (< 10% ground area covered Jungle growth)	5056.52	Ha.
14	02-02-012	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth)	8024.05	Ha.
15	02-02-013	Light Jungle growth (> 20% and upto 30% ground area covered with Jungle growth)	9356.14	Ha.
16	02-02-014	Medium Jungle growth (> 30% ground area covered with Jungle growth)	10689.79	Ha.
		Tilling the soil to a depth of 45 cm in the entire area (excluding unsuitable patches) with heavy machinery fitted with 0.90 cum and above capacity bucket and leveling		
17	02-02-015	Sparse Jungle growth (< 10% ground area covered Jungle growth)	18665.67	Ha.
18	02-02-016	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth)	15912.49	Ha.
19	02-02-017	Light Jungle growth (> 20% and upto 30% ground area covered with Jungle growth)	11011.18	Ha.
20	02-02-018	Medium Jungle growth (> 30% and upto 60 % ground area covered with Jungle growth)	9573.93	Ha.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough. (untilled Areas)		
21	02-02-019	Ordinary Soils	3482.69	Ha
22	02-02-020	Hard /Gravelly Soils (50% extra on ordinary soil rate)	5224.83	Ha
23	02-02-021	Black Clayey, Bouldary Soils and Soft Disintegrated Rocks.(50% extra on hard gravelly soil rate)	7838.02	Ha
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough (Tilled Areas)		
24	02-02-022	Ordinary Soils	3482.69	Ha
25	02-02-023	Hard Gravelly Soils, Black clayey and Bouldary soils	4355.31	Ha
26	02-02-024	Removing congestion of root suckers and other uprooted material hindering the effective ploughing (For Non-tilled Areas Only)	955.35	Ha.
	02-03	Raising of plantations:-		
		Alignment &Staking		
27	02-03-001	Alignment and staking including laying base line for teak, Casuarina with espacement 2m X 2m (2500 Nos)	57.20	100 Nos.
28	02-03-002	Alignment and staking including laying base line for Eucalyptus with espacement 3mX 2m (1666 Nos)	68.56	100 Nos.
29	02-03-003	Alignment and staking including laying base line for Misc. species with espacement 3mX3m (1111 Nos)	76.15	100 Nos.
30	02-03-004	Alignment and staking including laying base line for Usiri, Kanuga, Kunkudu, Bamboo etc. with espacement 5mX5m (400 Nos)	101.42	100 Nos.
31	02-03-005	Cost of 0.45 M Stake preparation and transportation to site.	50.66	100 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
32	02-03-006	Preparation of teak stumps of a minimum length of 23 cm. and minimum girth of 4 cm. at the collar, including uprootal from nursery beds, dressing of lateral root, cutting slant 2cm above collar and root and bundling them into bundles of 100 Nos. each and transport to planting site.	63.69	100 Nos.
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 5 Km lead		
33	02-03-007	10 X 17.5cm (4"X7") bag plants	41.67	100 Nos.
34	02-03-008	12.5 X 22.5cm (5"X9") bag plants	66.10	100 Nos.
35	02-03-009	15X30cm (6"X12") bag plants	133.13	100 Nos.
36	02-03-010	20 X 30cm (8"X12") bag plants	238.60	100 Nos.
37	02-03-011	Root trainer plants with stands and returning root trainers to the nursery.	4" X 7" Rates may be adopted	
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading beyond 5 Km - extra for every each Km.		
38	02-03-012	10 X 17.5cm (4"X7") bag plants	1.55	100 nos per km
39	02-03-013	12.5 X 22.5cm (5"X9") bag plants	2.47	100 nos per km
40	02-03-014	15 X 30cm (6"X12") bag plants	4.66	100 nos per km
41	02-03-015	20 X 30cm (8"X12") bag plants	9.32	100 nos per km
42	02-03-016	Root trainer plants with stands and returning root trainers to the nursery.	4" X 7" Rates may be adopted	
		Internal transport of bag plants/root trainers to planting points on head loads		
43	02-03-017	10 X 17.5cm (4"X7") bag plants	35.38	100 Nos.
44	02-03-018	12.5 X 22.5cm (5"X9") bag plants	54.04	100 Nos.
45	02-03-019	15X30cm (6"X12") bag plants	83.58	100 Nos.
46	02-03-020	20 X 30cm (8"X12") bag plants	129.25	100 Nos.
47	02-03-021	Root trainer plants with stands	4" X 7" Rates may be adopted	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Digging of pits in ordinary soils		
48	02-03-022	Digging of 30 cm. cube pits	4.42	Each
49	02-03-023	Digging of 45 cm. cube pits	16.73	Each
		Digging of pits in hard gravelly soils		
50	02-03-024	Digging of 30 cm. cube pits	4.88	Each
51	02-03-025	Digging of 45 cm. cube pits	18.95	Each
		Digging of pits in ploughed areas (50% of the rate adopted for digging of pits in ordinary soils)		
52	02-03-026	Digging of 30 cm. cube pits	2.20	Each
53	02-03-027	Digging of 45 cm. cube pits	8.36	Each
		Digging of trenches		
54	02-03-028	Digging of trenches in ordinary soils.	175.70	Cmt
55	02-03-029	Digging of trenches in hard gravelly soils.	183.91	Cmt
56	02-03-030	Digging crow-bar holes 23cm (9") deep and planting stumps in crow-bar holes and closing and compacting so that it can not be pulled up easily.	51.33	100 Nos.
		Application of Fertilizers		
57	02-03-031	Cost of Chemical fertilizers (50gram SSP for basal dressing, 20 gram DAP after planting for 30 cm ³ & 45 cm ³ pits).	As per actuals	
58	02-03-032	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar. 10 cmts away from plant and putting fertilizers and closing	35.76	100 Nos.
		Planting bag plants		
59	02-03-033	30cmX30cmX30cm pits	127.98	100 Nos.
60	02-03-034	45cmX45cmX45 cm pits	398.19	100 Nos.
61	02-03-035	Scooping soil and planting casuarina seedlings	48.64	100 Nos.
62	02-03-036	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising year). 25% casualty replacement in 2nd year maintenance (except Eucalyptus) with prior permission of Chief Conservator of Forests/Conservator of Forests	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above.	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Weeding & Soil working		
63	02-03-037	Strip weeding in strips of 0.5 m. width on either side of the planting lines by cutting all growth in the lines flush to the ground and scrapping grasses etc., if two strip weedings are done the strips should be perpendicular to each other for 2mX2 m plan	1851.67	Ha.
64	02-03-038	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil alround the plant to 10cm wide but weeding that part of area by hand and formation of saucer <u>in ordinary soils</u>	398.19	100 Nos.
65	02-03-039	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil alround the plant to 10cm wide but weeding that part of area by hand and formation of saucer <u>in hard gravelly soils</u>	597.28	100 Nos.
66	02-03-040	Weeding in Agave Plantations	38.22	100 Nos.
67	02-03-041	Weeding cum soil working with radius of 50 cm and depth of 15 cm (Agave)	38.22	100 Nos.
		Inter Ploughing:-		
68	02-03-042	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
69	02-03-043	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
70	02-03-044	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
71	02-03-045	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
72	02-03-046	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Coppice cutting:-		
		Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows.		
73	02-03-047	Low rainfall zone < 800 mm	887.90	Ha.
74	02-03-048	High rainfall zone > 800 mm	1331.94	Ha.
75	02-03-049	Creation of Fire lines 3 mts wide	5.55	Rmt
76	02-03-050	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	113.05	100 Nos
77	02-03-051	Brush wood fencing around the planting 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 1.5m and fencing materials	25.31	Rmt
78	02-03-052	Maintenance of brushwood fencing	9.00	Rmt
79	02-03-053	Cost of Protection (One watcher is allowed for 20 ha. plantation. If the area is less prior approval of Chief Conservator of Forests / Conservator of Forests is required)	As per District Collector Wage Rate	Per day
80	002-03-054	Enumeration of survivals 10% to survivals and 5% height once in November after growing season and once in March in dry season	21.33	100 Nos.
81	02-03-055	Provision of watering during planting as per PCCFs Circular No.6B/2006-G1 (Rc.No.17309/2000-G1, Dt.16.08.2005) prior instructions to Chief Conservator of Forests / Conservator of Forests	2.64	Plant

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	02-04	<u>1ST YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS:</u>		
		Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising year). 25% casualty replacement in 2nd year maintenance (except Eucalyptus) with prior permission of Chief Conservator of Forests / Conservator of Forests	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above.	
		Inter Ploughing:-		
82	02-04-001	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
83	02-04-002	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
84	02-04-003	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
85	02-04-004	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
86	02-04-005	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.
		Weeding & Soil working		
87	02-04-006	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos.
88	02-04-007	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils (50% more than ordinary soils)	597.28	100 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
89	02-04-008	Creation of Fire lines 3 mts wide	5.55	Rmt
90	02-04-009	Watch & ward for 12 months	As per District Collector wage rate	Per Day
91	02-04-010	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	113.05	100 Nos
92	02-04-011	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.		
	02-05	2nd YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS. Casualties replacement upto 25% in 2nd year maintenance with prior permission of Chief Conservator of Forests / Conservator of Forests:		
		Weeding & Soil working		
93	02-05-001	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil alround the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos.
94	02-05-002	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil alround the plant to 10cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils (50% more than ordinary soils)	597.28	100 Nos.
		Inter Ploughing:-		
95	02-05-003	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
96	02-05-004	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
97	02-05-005	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
98	02-05-006	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
99	02-05-007	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows.		
100	02-05-008	Low rainfall zone < 800 mm	887.90	Ha.
101	02-05-009	High rainfall zone > 800 mm	1331.94	Ha.
102	02-05-010	Creation of Fire lines 3 mts wide	5.55	Rmt
103	02-05-011	Watch & ward for 12 months	As per District Collector wage rate	Per Day
	02-06	3rd YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS:		
104	02-06-001	One weeding cum soil working	As per raising year	
		Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows.		
105	02-06-002	Low rainfall zone < 800 mm	887.90	ha
106	02-06-003	High rainfall zone > 800 mm	1331.94	ha
107	02-06-004	Deep inter ploughing with heavy duty tractor	As per raising year	
108	02-06-005	Creation of Fire lines 3 mts wide	5.55	Rmt
109	02-06-006	Watch & ward for 12 months	As per District Collector wage rate	Per day
110	02-06-007	Pruning of lower foliage/ branches of NTFP species like Kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	113.05	100 Nos
111	02-06-008	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	116.12	Ha

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	02-07	<u>4TH YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS:</u>		
112	02-07-001	Creation of Fire lines 3 mts wide	5.55	Rmt
113	02-07-002	One weeding cum soil working	As per raising year	
114	02-07-003	Watch & ward for 12 months	As per District Collector wage rate	Per day
115	02-07-004	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height.	113.05	100 Nos
116	02-07-005	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	116.12	Ha
117	02-07-006	Deep inter ploughing with heavy duty tractor	As per raising year	
	02-08	<u>5TH YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS:</u>		
118	02-08-001	Creation of Fire lines 3 mts wide	5.55	Rmt
119	02-08-002	One weeding cum soil working	As per raising year	
120	02-08-003	Watch & ward for 12 months	As per District Collector wage rate	Per day
121	02-08-004	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	113.05	100 Nos
122	02-08-005	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	116.12	Ha

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		<u>AGAVE PLANTATIONS :</u>		
	02-09	Advance operations:		
123	02-09-001	Internal transport of suckers by head loads	13.14	100 Nos.
124	02-09-002	Dressing of suckers i.e. pricking from the beds, clearing the dead leaves and roots.	7.38	100 Nos.
	02-10	1st Year Maintenance :		
125	02-10-001	Dressing of suckers i.e. pricking from the beds, clearing the dead leaves and roots.	7.38	100 Nos.
	02-11	<u>BABUL PLANTATIONS:-</u>		
		<u>RAISING OF TANK FORESHORE AREAS: (3mx3m Espacement) 1100 Plants per Ha.</u>		
		Digging of pits in ordinary soils		
126	02-11-001	Digging of 30 cm. cube pits	4.42	Each
127	02-11-002	Digging of 45 cm. cube pits	16.73	Each
		Weeding & Soil working		
128	02-11-003	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos.
129	02-11-004	Watch and Ward for 6 months	As per District Collector wage rate	Per Day
	02-12	<u>1ST YEAR MAINTENANCE OF BABUL PLANTATIONS: (3.00 M X 3.00 M ESPACEMENT)</u>		
		Weeding & Soil working		
130	02-12-001	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	02-13	2ND YEAR MAINTENANCE OF BABUL PLANTATIONS: (3.00 M X 3.00 M ESPACEMENT)		
		Weeding & Soil working		
131	02-13-001	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.18	100 Nos.
132	02-13-002	Watch and Ward for 12 months (with specific approval of Chief Conservator of Forests / Conservator of Forests)	As per District Collector wage rate	Per Day
	02-14	DEVELOPMENT / REHABILITATION OF COMMUNITY AND GOVERNMENT WASTE LANDS / INSTITUTIONAL LANDS (5 x 5 M Espacement – 400 plants / ha)		
		AVENUE PLANTATION (10 m SPACING) @ 200 PLANTS PER Km.		
		Raising of Avenue Plantations : (8"x12") Bags.		
		Alignment & Staking		
133	02-14-001	Alignment and staking including laying base line for Usiri, Kanuga, Kunkudu, Bamboo etc. with espacement 5mX5m (400 Nos)	101.42	100 nos
		Excavating of 0.75 x 0.75 x 0.75 Mt., pits (in case of 1.5 Mt., tall plants)		
134	02-14-002	i) In ordinary soils	RSSR	
135	02-14-003	ii) In Hard gravelly soils	RSSR	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Excavating of 1.00 x 1.00 x 1.00 Mt., pits (in case of 2.5 Mt., tall plants)		
136	02-14-004	i) In ordinary soils	RSSR	
137	02-14-005	ii) In Hard gravelly soils	RSSR	
138	02-14-006	Cost of ½ cft or 0.014 cum Farm Yard Manure including conveyance for avenues per plant (in case of 0.75 Mt., cube pits)	2297.78	100 Nos.
139	02-14-007	Cost of (1/4 cft) 0.007 cum tank silt including conveyance mixing with local soil for fixing the plant for avenues per plant (in case of 0.75 Mt., cube pits)	252.89	100 Nos.
140	02-14-008	Cost of 1 cft or 0.028 cum Farm Yard Manure or Cow dung powder per plant) including cost and conveyance (in case of 1.00 Mt., cube pits.)	4595.55	100 Nos.
141	02-14-009	Cost of (1 cft) 0.028 cum tank silt per plant including const and conveyance (in case of 1.00 Mt., cube pits)	1011.52	100 Nos.
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 5 Km lead		
142	02-14-010	20 X 30cm (8"X12") bag plants	238.60	100 nos
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading beyond 5 Km - extra for every each Km.		
143	02-14-011	20 X 30cm (8"X12") bag plants	9.32	100 nos per km
		Transport of poly pots including loading and unloading upto 10 Kms. (for all type of plantations)		
144	02-14-012	i. P.P. of size 10"x16" / 8"x15"	297.80	100 Nos
145	02-14-013	ii. P.P. of size 12"x18" / 14"x20"	425.37	100 Nos

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Beyond 10 Kms. add for extra Km.		
146	02-14-014	i. P.P. of size 10"x16" / 8"x15"	11.38	100 Nos
147	02-14-015	ii. P.P. of size 12"x18" / 14"x20"	19.31	100 Nos
		Internal transport of bag plants/root trainers to planting points on head loads.		
148	02-14-016	20 X 30cm (8"X12") bag plants	129.25	100 Nos.
		Internal transport of plants to the planting points (for all plantations)		
149	02-14-017	i. P.P. of size 10"x16" / 8"x15"	186.32	100 Nos
150	02-14-018	ii. P.P. of size 12"x18" / 14"x20"	224.84	100 Nos
151	02-14-019	Cost of 100 grams DAP / Superphosphate per plant to be applied in 2 doses	Actuals	
152	02-14-020	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar. 10 cmts away from plant and putting fertilizers and closing	Through Watch & Ward	
		Planting bag plants		
153	02-14-021	45cmX45cmX45 cm pits	398.19	100 Nos.
		Planting of avenue plants after refilling the pit Giving 2 cuts on the bottom of the poly bag and 4 cuts on the side of the bag, planting with the poly bag, fixing the plant by refilling with dug out top soil, Farm Yard Manure, Tank silt and ramming around the plant, leaving 15 cms unfilled at the top.		
154	02-14-022	i) in 0.75 x 0.75 x 0.75 M pits	464.92	100 Nos.
155	02-14-023	ii) in 1.00 x 1.00 x 1.00 M pits	620.83	100 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
156	02-14-024	Formation of semi-lunar mounds of the size 30 x 30 cm on the lower slope for water harvesting to a length of 1.20 M	Through Watch & Ward	
157	02-14-025	Providing Tree guards with Phoenix leaves of 6 – 8 upto 1.50 M height from ground level, tying with binding wire at 4 places, 25 cms apart, including cost of binding wire. (in case of 0.75 Mt., cube pits)	2343.62	100 Nos.
158	02-14-026	Providing fencing to MAIN row plants where the planted seedlings are of minimum 2 Mt., height by preparing Eucalyptus / other jungle wood posts (stakes) of size 3 meter length and 15 cm. middle girth, drying, debarking the post and applying coal tar, cutting collection and transportation of Prosopis/ Other thorny branches, fixing and tying both the stakes and thorny branches to a height of 2 Mt. of the plant, with the help of Agave fibre, if the stakes are purchased from the market	44.25	1 No.
159	02-14-027	Tree guards with Toddy leaves including collection and transport.	188.00	100 Nos.
160	02-14-028	Fixing of fibre tree guards to the avenue plants with 3 Nos. of Prosopis stakes tied with binding wire at 3 places to each stake (including cost of binding wire)	29.08	Each
161	02-14-029	Watering the avenue plants first 10 days alternative days 5 waterings in July Next 12 days once in 14 days 3 waterings August to September once in 15 days 4 Waterings October to March once in 7 days 24 waterings total 36 waterings.		
<p>NOTE :- The above watering regime is only indicative. Depending upon locality, moisture availability and range it can be rearranged by the Divisional Forest Officers. The Cost should be restricted to the number of surviving plants in any given month and the stretch. Log books should be maintained for each tractor/cart and verified by the Divisional Forest Officer periodically and satisfy that the watering regime is followed before admitting the vouchers. Abstract of watering every month should be recorded in plantation Journals. This will apply to all years. The Divisional Forest Officers will be personally held responsible for regulating the expenditure.</p>				
<p>In case any infrastructure is to be developed for creation of water sources etc., it should be done as per I.D.S.S.R. following other financial rules. If departmental vehicles are used, expenditure is to be booked as per actuals, with in scheme proposals which has to be certified by the concerned Deputy Conservator of Forests/ Divisional Forest Officer.</p>				

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
162	02-14-030	Watering the Avenue plants of 1.5 meter height raised in 60 cm cube pits or above size with 15 liters of water per watering raised at a linear espacement of 10 m interval during raising year, 1st year and 2nd year maintenance	488.83	100 Nos./ Watering
163	02-14-031	Watering the Avenue plants of 1.5 meter height raised in 60 cm cube pits or above size with 15 liters of water per watering raised at a linear espacement of 5 mt interval during raising year, 1st year and 2nd year maintenance	660.99	100 Nos./ Watering
164	02-14-032	Watering the 2.50 Mt., height tall avenue plants of Ficus religiosa, Ficus bengalensis, Azadirachta indica, planted in 1 Mt., cube pits as per the following regime at 50 liters of water per plant per watering using hired tractor / tanker (Permission of the CF is necessary for deviation of species criteria.)	1513.40	100 Nos./ Watering
		Raising year		
165	02-14-033	July first week planting. Immediately after planting 2 waterings on alternative days. 2 waterings		
166	02-14-034	During balance month of July once in 5 days 5 waterings		
167	02-14-035	August to November 4 months. Monthly 3 waterings 12 waterings		
168	02-14-036	December to March 4 months. Monthly 4 waterings. 16 waterings		
		Total 35 waterings		
169	02-14-037	Watering the plants by engaging tractor as per the above watering regime.	206.73	100 Nos/ watering
170	02-14-038	Watering by engaging departmental tractors the cost of labour for watering and running charges(as per above watering regime)	155.64	-do -
171	02-14-039	Watering strip plants by carts, 8 litres of water per plant per watering (as per above water regime)	345.67	300 plants or 100 trenches / watering
172	02-14-040	Repairs to tree guards twice during the year of planting		
173	02-14-041	Repairs to Tree guards including cost of Phoenix leave for repairs and replacements at least twice. (in case of 0.75 Mt., cube pits.)	581.25	100 Nos./ time

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Weeding & Soil working		
174	02-14-042	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos.
175	02-14-043	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils (50% more than ordinary soils)	597.28	100 Nos.
176	02-14-044	Protection of plants by engaging watcher if planted on both sides.	As per District Collector wage rate	Per Day / 5 KM
177	02-14-045	Protection of plants by engaging watcher when planted on one side.	As per District Collector wage rate	Per Day / 8 KM
178	02-14-046	Cycle Allowance for Watch and Ward	365.85	Month
179	02-14-047	Protection of strip plants by engaging watcher (Ancillary rows) including Avenue rows.	As per District Collector wage rate	Per Day / 2.5 KM
180	02-14-048	Mulching with ground nut husk to a depth of 25 - 30cms for each pit in main row Avenue subject to condition of proportionate reduction of watering regime depending on the local conditions.	17.07	Per plant.
	02-15	<u>1ST YEAR MAINTENANCE OF AVENUE PLANTATIONS : (10 M apart)</u>		
181	02-15-001	Cost of 100 grams of DAP each dose in two doses per plant	Actuals	
182	02-15-002	Application of fertilizers excluding cost of chemical fertilizers and application 3 times at the rate of 0.12 each as in the case of raising year.	Through Watch & Ward	
183	02-15-003	Cost of chemical fertilizers (As per raising year)		
184	02-15-004	Repair to tree guards by providing new supports etc.	7769.53	200 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
185	02-15-005	Watering the plants during non-rainy days as per the following regime at 15 liters of water per plant per watering (in case of 0.75 Mt., cube pits (or) 0.60 Mt., cube pits)	Raising year rate.	
		i) April to June, once in 10 days - 9 waterings		
		ii) July to October, once in a month - 4 waterings		
		iii) November to December, once in 15 days - 4 waterings		
		iv) January to March, once in 10 days - 9 waterings		
		Total 26 waterings		
		Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer		
186	02-15-006	i. in ordinary soils.	398.19	100 Nos.
187	02-15-007	ii. in hard gravellary soils.	597.28	100 Nos.
188	02-15-008	Repairs to semilunar mounds	Through Watch & Ward	
	02-16	2ND YEAR MAINTENANCE OF AVENUE PLANTATIONS : (10 M apart)		
189	02-16-001	Cost of Urea 100 grams per plant	Actuals	
190	02-16-002	Application of fertilizer	Through Watch & Ward	
191	02-16-003	Repairs to tree guards (with thorny branches like Prosopis)	14.29	Per plant
192	02-16-004	Watering the plants at 15 liters of water per plant per time for 3 months from April - June, once in 10 days – 9 waterings, (in case of 0.75 Mt., cube pits or 0.60 Mt., cube pits)	As per raising year	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Weeding & Soil working		
193	02-16-005	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos
194	02-16-006	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils (50% more than ordinary soils)	597.28	100 Nos
195	02-16-007	Watch and ward 12 months for every 5 Km plantations	As per Dist. Collector wage rate	Per Day
196	02-16-008	Cycle Allowance for Watch and Ward	365.85	PM
	02-17	3RD YEAR MAINTENANCE OF AVENUE PLANTATIONS : (10 M apart)		
197	02-17-001	Watch and Ward for pruning epidemic branches and repairs to tree guards etc. for 12 months.	As per Dist. Collector wage rate	Per Day
198	02-17-002	Mulching around the plants by removing the grass/ weeds from surrounding area or local grass at 2 kgs/plant and mixing with soil and putting around the plant(with prior permission of the Chief Conservator of Forests / Conservator of Forests).	136.68	100 Nos
		Other Items (Plantations)		
199	02-17-004	Uprootal of Boda grass (with prior written approval of Chief Conservator of Forests / Conservator of Forests) (raising year)	5962.22	Ha.
200	02-17-005	Uprootal of boda grass (only by prior written Approval of Chief Conservator of Forests / Conservator of Forests) (1st year maint.)	1717.98	Ha

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
201	02-17-006	Uprootal of boda grass (by obtaining prior written approval of Chief Conservator of Forests / Conservator of Forests) (2nd year maint.)	924.83	Ha
202	02-17-007	Preparation of stakes of Bamboo (70 cm length) and stacking	17.64	100 Nos.
203	02-17-008	Cost of tar coated bamboo stakes of 2.00 Mt length and 2.50 cm breadth size for supporting the tall plants.	6.60	Each
204	02-17-009	Fixing of support stakes to the seedlings	369.70	1000 Nos.
		Note : Operations during 3rd year maintenance, 4th year maint., 5th year maint. to be taken up only with prior written permission of CCF/CF. The raising year rates for the above items may be adopted.		
205	02-17-010	Laying sample plots of one sq. chain in JFM area including survey demarcation with corner stone (excluding cost of stone) total enumeration of growth, regeneration, recording height, girth numbering with paint on stones /stem etc.,	320.02	1 Sq.Chain



CHAPTER - III

DEPARTMENTAL EXTRACTION OF

TIMBER & FOREST PRODUCE

03 - DEPARTMENTAL EXTRACTION

WORKS

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	03-07	HANDLING OF REDSANDERS WOOD INVOLVED IN OFFENCES:		
		Conveyance of Red sander wood involved in Offences from spot or Reserve Forest, up to lorry track.		
1	03-07-001	1) By head load up to lorry track up to 5km lead including dragging billets whenever necessary.	1474.61	Tonne
2	03-07-002	2) Transport by double bullock cart where lorries cannot reach up to 5Kms lead including transport through sandy river bed.	639.24	Tonne
3	03-07-003	Handling including weighing at coupe depot.	28.96	Tonne
		Transport of Red sander wood to Central Depot at Rajampet & Cuddapah by lorries.		
4	03-07-004	1) Up to 5 Kms.	449.94	Tonne
5	03-07-005	2) Beyond 5Kms add for every Km or part thereof.	38.25	Tonne/Km
6	03-07-006	Loading and Unloading the Red sander wood.	106.90	Tonne
7	03-07-007	Handling charges including weighing and lotting in the Central Depot. (to be charged only once.)	61.04	Tonne
8	03-07-008	Final cleaning of Red sander wood by sawing of logs to required sizes, dressing, chiseling, numbering the logs including taking measurements and recording their classification in to required classes as per specification, stacking in to lots inside the godown, painting with serial numbers including cost of paints, sorting chips and dust.	2795.19	Tonne
9	03-07-009	Separating heart wood cut and taking out powder, weighing and storing in the godown, etc.	74.22	Tonne
10	03-07-010	Dressing of Red sander wood (Export quality)	74.24	Tonne
11	03-07-011	Redressing of Red sander wood including taking measurements, weighing and recording them and grading, etc. complete.	828.18	Tonne

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
12	03-07-012	Cost of paints and painting, etc. complete	35.83	Tonne
13	03-07-013	Where there is no regular night watcher for the Red sander Depot, one Night watcher per depot is permitted.		
14	03-07-015	Enumeration of Red Sanders trees in all different Red Sanders areas irrespective of topography and density for the trees having 45 cm GBH and above.	811.54	100 Nos.
15	03-07-016	Cost of plate, nail, fixing of plate, painting the code number, serial number of the tree enumerated (size of the plate is 3"x2" of 24 gauge, Nail 2" length with proper head.		
	03-10	Extraction of Palmyrah Timber.		
16	03-10-001	Felling and conversion of Palmyrah tree not less than 3.40 M length	78.72	Tree
17	03-10-002	Transport of Timber upto 5Km lead by double bullock cart.	277.95	Tree
18	03-10-003	Loading and unloading	99.26	Tree
19	03-10-004	Lotting of Palmyrah timber in the Depot.	50.89	Tree
	03-11	Lotting Timber Fuel and poles at Depot.		
20	03-11-001	Lotting at Depot including preparation and fixing of lot boards at depots for timber	122.38	Cum
21	03-11-002	Lotting in the depot - P1, P2, P3 poles	1.61	Each
22	03-11-003	Lotting at depot including preparation and fixing of lot boards at depots for fuel wood	11.52	Cum



CHAPTER - IV - RESEARCH ITEMS

04 - ITEMS ON PRODUCTION OF IMPROVED & CLONAL PLANTING STOCK

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		04-01 - RAISING OF PRIMARY BEDS FOR ROOT TRAINER NURSERY:		
		Formation of sunken bed of 1x1x0.30 Mt. by digging earth and construction of two layers of single brick wall in cement Mortar (1:4) around the bed to act as kerbing:		
1	04-01-001	(a) Earth work : 0.30 CMT	RSSR	Per bed
2	04-01-002	(b) Brick work : 0.075 CMT	CSSR	Per bed
3	04-01-003	Cost of sieved, clean and fine sand for each bed	58.21	0.3 Cum
4	04-01-004	Sterilization of sand with 0.2% formaldehyde and bavistin excluding the cost and filling into primary bed.	28.38	Per bed
5	04-01-005	Pre-treatment of seed, sowing the seed in primary beds by covering with thin layer of sand.	1.49	Per bed
6	04-01-006	Covering the bed with hay including the cost and conveyance of hay.	3.67	Per bed
		Watering the beds to keep wet to a depth of atleast 5 cms:		
7	04-01-007	(a) Manually/ Pump sets	16.26	Per bed
8	04-01-008	(b) With sprinkler sets including shifting of pipes etc.,	6.13	Per bed
9	04-01-009	Weeding the primary beds (one weeding only)	0.44	Per bed
10	04-01-011	Cost of Vermicompost insecticides including cost of appl.	As per actuals	Per bed
		The following procedure to be followed where primary beds are not raised:		
11	04-01-012	Putting seed into gunny bags, soaking, burying into pit, taking out the bags (once in every 24 hours) and soaking in water and re-burying till it spouts and dibbling pre-germinated seed in root trainer tubets.	204.79	1000Nos

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		04-02 - PREPERATION OF COMPOST BY AEROBIC METHOD:		
12	04-02-001	Cost of raw material i.e., coconut husk/sugarcane bagasse/weeds and grasses/vegetable waste.	Actuals	1 Cum
13	04-02-002	Transportation of coconut husk/sugarcane bagasse/weeds and grasses/vegetable waste including loading and unloading.	Actuals	1 Cum
		Shredding of sugarcane bagasse/weeds and grasses/ vegetable waste into small pieces of 1 to 2 cms., (in case of coconut husk sieving is required to separate fiber).		
14	04-02-003	(a) Mechanically through grass cutter	113.94	1 Cum
15	04-02-004	(b) Manually	558.69	1 Cum
		04-03 - COMPOST PREPARATION (ANAROBIC METHOD) :		
16	04-03-001	Digging of pit with dimensions of 3 m x 2m x 2m - 12 cmt.	RSSR	
17	04-03-002	Collection of green leaf / succulent material including conveyance and cutting into small pieces and dumping in the pit in three layers of 50 cms thickness (3cm x 3cm = 9 cm) each.	As per FSR	
18	04-03-003	Collection of FYM and spreading on the leafy & succulent cut material to a thickness of 10 cms (for 3 layers) 0.6 cmt. x 3 = 1.8 cmt for inoculation of micro organisms to initiate decomposition.	As per FSR	
19	04-03-004	Watering on the top and allowing to decompose	LS	
20	04-03-005	Removal of the material after decomposition (5 months) and sieving the compost through 2 mm holes to separate the decomposed particles.	As per FSR	
21	04-03-006	Cost of perforate PVC pipes 5 Nos. for each pit	As per actual	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		04-04 - PREPERATION OF COMPOST BY HEAP METHOD :		
22	04-04-001	Formation of stack (heap), sprinkling water and 4 kg urea and covering the heap with polythene sheet after keeping the perforated PVC pipe properly to hold in the center of the heap for exchange of gasses (excluding the cost of urea, PVC pipe and polythene sheet).	33.48	1 Cum
23	04-04-002	Upturning the heap by sprinkling water (maximum 11 up turnings with atleast one upturning for every 3 days for first 15 days and the remaining 6 up turnings for every 5 days).	30.71	1 Cum
24	04-04-003	Cost of PVC pipes	As per actual	
25	04-04-004	Cost of polythene sheet	As per actual	
		04-05 - PREPERATION OF COMPOST BY COMPOST SHED METHOD:		
26	04-05-001	Loading of finely shredded raw material into compost shed	202.84	5 Cum
27	04-05-002	Upturning the material (maximum 11 up turnings with 1st 5 up turnings with an interval of 3 days subsequent 6 up turnings with an interval of 5 days).	169.82	5 Cum
28	04-05-003	Sieving the compost through wire mesh with 2mm holes to separate un-decomposed particles.	154.14	1 Cum
	Note :	(a) 1 Cmt of sugarcane bagasse yields 0.40 Cmt of compost.		
		(b) 1 Cmt of green raw material such as weeds, grasses and vegetable waste yields 0.20 Cmt. of compost.		
		04-06 - RAISING OF ROOT TRAINER NURSERY:		
29	04-06-001	Cleaning of the Root Trainer Tubets treating with chemicals and stacking including cost of chemicals.	213.32	1000 Nos
30	04-06-002	Preparation of potting medium with organic compost, charcoal granules, partially burnt rice husk in a ratio of 14:1:1 respectively excluding the cost and conveyance.	158.97	Per Cum

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Filling root trainer tubets with potting mixture and arranging in trays or stand -cum-trays.		
31	04-06-003	(i) 100 CC (individual cell)	516.75	1000 Nos
32	04-06-004	(ii) 165 CC (individual cell)	596.09	1000 Nos
33	04-06-005	(iii) 210 CC (individual cell)	985.42	1000 Nos
34	04-06-006	(iv) 100 CC (Block type with 35 cells)	16.50	Per each Block
35	04-06-007	(v) 150 CC (Block type with 24 cells)	13.53	Per each Block
		N.B: The following is the quantity (in cum) of various components of potting mixture for filling 100,000 Root Trainer tubets (cells) of various sizes		
		100 CC		210 CC
		2.5 Cmt		5.2500
		6.25 Cmt		13.1250
		0.625 Cmt		1.3125
		0.625 Cmt		1.3125
		10.000 Cmt		21.000
36	04-06-008	Culling, pricking out of seedlings from primary beds and transplanting into tubets.	139.79	1000 Nos.
37	04-06-009	Replacing casualties after sorting empty tubets into other trays or stand-cum-trays (there should not be more than 5 % casualties).	186.68	1000 Nos.
		Watering the root trainers twice a day:		
38	04-06-010	(a) Manually (water drawn through pump/electric motor)	75.26	1000 Nos.
39	04-06-011	(b) With sprinkler sets including shifting of pipes etc.,	25.04	1000 Nos.
40	04-06-012	Weeding the root trainers once in a month	22.26	1000 Nos.
		Running and maintenance charges of oil engine/electric motor		
41	04-06-013	Spraying of insecticides and fertilizers (once in a month) labour component only.	6.09	1000 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	04-07 - MAINTENANCE OF ROOT TRAINER NURSERY only for 4 months			
	(From April to July in SW monsoon areas and July to October in N.E. Monsoon areas.)			
		Watering the root trainers twice a day		
42	04-07-001	(a) Manually (water drawn through pump/electric motor)	75.26	1000 Nos.
43	04-07-002	(b) With sprinkler sets including shifting of pipes etc.,	25.04	1000 Nos.
44	04-07-003	Weeding the root trainers once in a month	22.26	1000 Nos.
45	04-07-004	Running and maintenance charges of oil engines/electric motor	Actuals	
46	04-07-005	Spraying of insecticides and fertilizers (once in a month) labour component only.	6.09	1000 Nos.
	04-08 - RAISING OF ROOT STOCK NURSERY FOR GRAFTING OF NTFP SPECIES:			
	As per Items 01-04 in Chapter-I			
	04-09 - MAINTENANCE OF ROOTSTOCK NURSERY:			
	As per Items 01-05 in Chapter-I			
47	04-09-001	Cost of polythene bags of size (6"x12") i.e., 15 ms x 30 cms with gauge 400	As per actuals	
		Clearing of site including leveling of ground		
48	04-09-002	old site	3.09	Bed of 1000 bags
49	04-09-003	new site	12.10	Bed of 1000 bags
50	04-09-004	Alignment of beds including inspection path.	95.92	- do -

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
51	04-09-005	Collection and preparation of soil mixture including transportation upto 5kms containing red soil, sand, Vermicompost in the ratio of 6:3:1 including breaking of clods and sieving through wire mesh of 2mm size		
52	04-09-006	Collection of Red earth/forest soil including conveyance upto 5 Km lead	274.27	1 Cum
53	04-09-007	Collection of sand including conveyance upto 5 Km lead	349.39	1 Cum
54	04-09-008	Collection of Vermicompost including conveyance upto 5 Km lead	8.77	1 Kg
55	04-09-009	Opening of bags, filling with soil mixture and arranging in beds (preferably tripod stand with funnel be used for filling the soil mixture into polybags)	620.08	Per bed of 1000 bags
56	04-09-010	Pricking out seedlings and transplanting into bags	139.79	1000 bags
57	04-09-011	Dibbling seeds directly into bags	41.55	1000 bags
58	04-09-012	Putting the seed into gunny bags, soaking, burying in the pit taking out bag twice a day, re-soaking in water and reburying till the seed sprouts and dibbling of pre-germinated seed into the bags.	204.79	1000 bags
59	04-09-013	Arranging the bags into bed	69.50	1000 bags
60	04-09-014	Replacement of causalities after sorting out the empty bags by keeping at one end of the bed	256.88	1000 Nos
61	04-09-015	Watering the bags twice a day.		
62	04-09-016	Manually (water drawn through pumps/oil engines)	165.67	1000 Nos per month
63	04-09-017	with sprinkler sets including charges towards shifting of pipes, running of sets etc.	24.94	1000 Nos per month
64	04-09-018	Weeding the beds 2 times in a month	21.58	Per bed per month
65	04-09-019	Shifting, grading and arranging beds (4) times	83.00	1000/ time
66	04-09-020	Running charges of oil engine	As per actuals	
67	04-09-021	Maintenance of oil engine	As per actuals	
68	04-09-022	Current charges of electric motors and maintenance of motors	As per actuals	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
69	04-09-023	Cost of insecticides, fungicides, pesticides	As per actuals	
70	04-09-024	Application of Vermicompost, fungicides, and pesticides etc.,	7.38	1000 nos per time
		Maintenance of Root Stock Nursery		
		Watering the seedlings twice a day		
71	04-09-025	Manually (water drawn through pump/oil engine	165.67	1000 Nos per month
72	04-09-026	with sprinkler sets including charges towards shifting of pipes, running of sets etc.,	24.94	- do -
73	04-09-027	Weeding the beds including inspection paths and surroundings (twice a month)	21.58	Per bed per one time
74	04-09-028	Shifting, grading and arranging (once in 45 days)	83.00	1000 Nos per month
75	04-09-029	Application of Vermicompost	7.38	- do -
76	04-09-030	Running charges of oil engine		
77	04-09-031	Maintenance of oil engine		
78	04-09-032	Current charges including maintenance of electric motor		
		<i>Note : - Since the rootstock has to be sturdy and healthy to enable successful grafting of scion material, it is permitted to maintain the nursery to a maximum of one year.</i>		
	04-10 - PRODUCTION OF TEAK BUD GRAFTS:			
79	04-10-001	Cost of polythene bags of size 6"x12" i.e., (15cmsx30cms) 400 gauge.		
80	04-10-002	Collection and preparation of soil mixture including transportation up to 5 km. Containing red soil, sand and farm yard manure in the ratio of 6:3:1 including breaking of clods and sieving through wire mesh of 2mm size.		
81	04-10-003	Collection of Red earth/forest soil including conveyance upto 5 Km lead	274.27	1 Cum
82	04-10-004	Collection of sand including conveyance upto 5 Km lead	349.39	1 Cum
83	04-10-005	Collection of Vermicompost including conveyance upto 5 Km lead	8.77	1 Kg

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
84	04-10-006	Opening of bags, filling with soil mixture and arranging in beds (preferably tripod stand with funnel be used for filling the soil mixture into poly bags).	620.08	Per 1000 Nos.
85	04-10-007	Pricking out the teak seedlings and preparation of stumps	139.79	1000 bags
86	04-10-008	Collection of bud wood		
87	04-10-009	Grafting of single bud on the teak stump (rootstock) including the cost of wax cloth, twine, knives etc., (straight, sturdy and healthy and graded stumps with root, shoot ratio ofonly to be used for grafting. A provision of 10% rejection of inferior	1797.96	100 Nos.
88	04-10-010	Planting the grafted stumps in poly bags	13.53	100 Nos.
89	04-10-011	Arranging the bags into beds	69.50	Per bed of 1000 bags
90	04-10-012	Watering the bags containing grafted rootstock twice a day located at octet/ mist chambers/ lath house without disturbing the graft union and weeding bags two times in a month and debudding the sprouts on the root stocks.	2038.38	-do-
91	04-10-013	Shifting of sprouted grafts from mist chamber to hardening shed (lath house).	127.70	1000 Nos.
92	04-10-014	Shifting of grafts from hardening shed to nursery site for keeping in open.	127.70	1000 Nos.
93	04-10-015	Cost of pesticides/chemicals/ fertilizers		
	04-11 - MAINTENANCE OF TEAK BUD GRAFTS (April to July):			
94	04-11-001	Watering the bags with grafted rootstock twice a day located at octet/mist chambers/lath house without disturbing the graft union and weeding bags two times in a month and debudding the sprouts on the root stocks.	2038.38	Per Bed 1000 Bags
95	04-11-002	Cost of pesticides/chemicals/fertilizers		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	Note : Provision of 10% rejection of inferior and damaged grafts is given at the time of lifting of stock from the nursery to planting site to ensure that only healthy grafts are planted.			
	04-12 - GRAFTING OF NTFP SPECIES IN CLONAL MULTIPLICATION AREAS			
	(APPROACH GRAFTING):			
96	04-12-001	Transportation of root stock nursery seedlings raised in 6"x12" size poly bags to grafting site in CMA.	119.38	1000 Plants
97	04-12-002	Grafting to scion plant including cost of material required for grafting such as wax cloth, grafting twine, grafting knives etc. giving first cut and final cut including painting, labeling and giving red band with paint to scion to differentiate it with root stock to keep the identity of the clones.	1797.96	1000 Nos.
98	04-12-003	Manual watering to bags containing root stock grafted with scion for 3 months once a day without damaging/distributing the union.	147.42	1000 Nos. PM.
99	04-12-004	Transportation of grafts from CMA to hardening chamber (lath house).	119.38	100 Nos.
	04-13 - GRAFTING OF NTFP SPECIES IN CLONAL MULTIPLICATION AREAS			
	(CLEFT OR SOFT WOOD GRAFTING):			
100	04-13-001	Transportation of root stock nursery seedlings raised in 6"x12" poly bags to mist chamber.	119.38	100 Nos.
101	04-13-002	Transportation of root stock nursery seedlings raised in 5"x9" poly bags to mist chamber.	66.10	100 Nos.
102	04-13-003	Collection of scion material from the CMA	69.04	100 Nos.
103	04-13-004	Cleft/softwood grafting including cost of material such as wax cloth, grafting twine, grafting knives etc. and giving red band with paint to scion to differentiate it with root stock.	1797.96	100 Nos.
104	04-13-005	Arranging the grafts in the mist chamber	6.45	100 Nos.
105	04-13-006	Transportation of grafts from CMA to hardening chamber (lath house).	119.38	100 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	Note : 1) For the rest of the operations i.e. maintenance in hardening chamber and subsequently in the open, follow the FSR of bag plants nursery of 6"x12"/ 5" X 9" size. However, care has to be taken to arrest root stock re-growth. 2). 10% casualties may be allowed in case of other species, 3) 30% casualties may be allowed in case of Amla, Seethaphal, Neredu, Neem Species.			
	04-14 - GOTTI / BER GRAFTING			
106	04-14-001	Clearing the weed growth and loosening the soil upto 50 cm radius around the tree/sapling selected as root stock for insitu grafting upto 15cm depth in a degraded forest.	708.87	100 Nos.
107	04-14-002	Felling and coppicing of selected gotteka / gotti tree at the height of 15 cm to 20 cm above ground level with slant cut without splitting the root stock with sharp instrument.	979.07	100 Nos.
108	04-14-003	Applying blitex powder (10 gm per liter) and carbaryl (6 gm), solution / Copper Sulphate to the stump to protect from borer and fungus attack.	5.02	Per Stump
109	04-14-004	Collection of high yielding scion bud wood in case of Ber and scion stick in case of other NTFP species.		100 Nos.
110	04-14-005	Patch/Veneer/Cleft grafting including cost of material such as wax, cloth, grafting twine, grafting knives etc. and giving red band with paint to scion to differentiate it with root stock to keep the identity of the clones with a limit of 3 to 5 Nos. of grafts per stump.	1797.96	100 Nos.
111	04-14-006	Spraying of Endosulphan solution (2ml. Per liter) to prevent the stump from the leaf Caterpillars attack after grafting at the time of leaf sprouting.	5.02	100 Nos.
	04-15 - GRAFTING OF NTFP CANDIDATE PLUS TREES-APPROACH GRAFTING :			
	(IN SITU GRAFTING) :			
112	04-15-001	Transportation of root stock seedlings raised in 6"x12" size poly bags to the site where CPT is located up to 10 kms.	119.38	100 Nos.
113	04-15-002	Beyond 10 kms	3.41	1000 Nos.
114	04-15-003	Approach grafting to candidate plus trees including erection of pandals wherever necessary, grafting including the cost of grafting material such as wax cloth, twine, grafting knives, watering for a maximum period of 3 months and protection.	125.32	each

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
115	04-15-004	Transportation of grafts back to research station located up to 10 kms.	119.38	100 Nos.
116	04-15-005	Beyond 10 kms.	3.41	100 Nos.
	Note : For the rest of the operations i.e. maintenance in hardening chamber and subsequently in the open, follow the FSR of bag plants nursery of 6"x12" / 5" X 9"size. However, care has to be taken to arrest root stock regrowth.			
	04-16 - GRAFTING OF NTFP CANDIDATE PLUS TREES-CLEFT OR SOFT WOOD GRAFTING (IN SITU GRAFTING):			
117	04-16-001	Collection and bringing of scion material from the candidate plus tree/mother plant to the research station/ central nursery.	As per actuals	
	Note : For the rest of the operations such as grafting on to the root stock and maintenance of grafts in the mist chamber, hardening chamber and in the open follow the normal procedure of producing, raising NTFP grafts.			
	N.B. 1) Replacements of Causalities in cleft/Soft Wood grafting under the component of grafting is allowed upto 30% in items 11 to 14 above.			
	N.B. 1) For all the operations such as grafting on to the root stock and maintenance of , 2) the admissibility of success of % in grafting is permissible for			
	I) approach grafting Amla/ Neredu upto 80%			
	II) Cleft grafting Neredu/ Amla upto 80%			
	Note: For the rest of the operations i.e. maintenance in Hardening Chamber and subsequently in the open, follow the FSR of bag plants nursery of 5" X 9" size. However, care has to be taken to arrest root stock regrowth. 10% causalities may be allowed.			

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	04-17	<u>EUCALYPTUS CLONAL NURSERY:-</u> (For production of 1,00,000 No. Eucalyptus Clones-Model estimate enclosed)		
118	04-17-001	Cleaning the 100 CC root trainers and dipping in Dithane M 45.	273.29	1000 Nos.
119	04-17-002	Cost and supply of vermiculite including transport and loading etc., one root trainer is filled with 25 gms vermiculite i.e. 142858 Nos of Root Trainers are filled with 25 gm X 142858/1000 = 3571 Kg.	As per actuals	
120	04-17-003	Harvesting / collection of juvenile coppice shoots from the felled stumps by leaving a leading shoot; preparation of rooting hormone; cutting of coppice shoots into about 10-15 cm. segments with atleast one node having two auxiliary buds and a pair of leaves; trimming of leaves; filling the root trainers with vermiculite / compost; dipping in hormone and planting in root trainers in Mist chamber or poly propagators.	2304.10	1000 Nos.
121	04-17-004	Spraying of fungicides; Micro- Macro nutrients; removal of dead leaves and algae from the root trainers; manual misting in poly propagators; segregating, grading and shifting of the root trainers in the Mist chamber for a maximum period of 45 days.	1387.42	1000 Nos.
123	04-17-005	Shifting of root trainer with rooted cuttings from Mist chamber/Poly propagator to hardening chamber (lath house)	231.28	1000 Nos.
124	04-17-006	Shifting of root trainers to open and grading	260.65	1000 Nos.
125	04-17-007	Watering; application of foliar spray of 2 % urea solution and filling the top empty portion of the root trainer with few grams of vermicompost to boost the growth of the rooted cutting for a period of 3 months.	77.82	1000 Nos.
126	04-17-008	Cost of rooting hormone, chemicals, fertilizers and pesticides etc.(IBA 0.20 gms to 1000 numbers for 142858 nos = 0.2 X 142858/1000 = 28.57 gms)	As per actuals	
127	04-17-009	Contingencies/ Cost of Pipes/ Nursery Board/ Nursery implements/ Electricity Bill/ Running and Maintenance Charges of Oil Engine (Bills to be verified and certified by the ACF/DFO) etc.	As per actuals (Subject to maximum of 10% of estimate cost during raising year and 5% of the estimate cost during maintenance year)	
		Note: When juvenile cuttings are harvested from captive CAA of sand bed units, 80% rooting has to be adopted. (For production of 1,00,000 clonal hamets, 1,25,000 cuttings are to be put for rooting.		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	04-18 - ESTABLISHMENT OF EUCALYPTUS CMA			
	(1X1 Mt. Espacement, 10,000 plants per Hec.):			
128	04-18-001	Advance operations, including ploughing, survey and demarcation, aligning and staking, digging of 30 cm, cube pits, basal dressing, transportation of Clonal plants including internal transportation, planting are as per FSR on raising of plantations of semi-mechanical method and the rate to be adopted proportionately.		
129	04-18-002	Watering of pipe (6 waterings per month) for 8 months (April to May and Oct to March).	144.77	100 plants per time
130	04-18-003	Weeding around the plant (4times in a year July, Sep, Dec. & Feb.)	110.85	100 plants per time
131	04-18-004	Soil working around the plants 1m dia (4 times in year, June, Sept, Dec & Feb).	198.80	100 plants per time
132	04-18-005	Application of chemicals, pesticides, fertilizers etc.	31.39	100 plants per time
133	04-18-006	Application of vermin compost	31.39	1000 plants
	04-19 - MAINTENANCE OF EUCALYPTUS CMA:			
134	04-19-001	Watering by pipe (6 waterings per month) for 8 months (April to May and Oct to March in S.W. Monsoon areas and April to September and Feb to March in N.E.Monsoon areas).	144.77	100 plants per time
135	04-19-002	Weeding around the plant (4times in a year Jul, Sep, Dec & Feb.)	110.85	100 plants per time
136	04-19-003	Soil working around the plants 1m dia (4 times in a year, June, Sept, Dec & Feb).	198.80	100 plants per time
137	04-19-004	Application of vermin compost	31.39	1000 plants
	04-20 - ESTABLISHMENT OF CMA OF NTFP SPECIES:			
	(TAMARIND, JAMUN, AMLA, SEETHAPHAL, JACK FRUIT, WOOD APPLE, BER, ETC.) (4Mt X 4Mt. Espacement, 625 Plants per Hec in Kurnool and Guntur Circles. 5Mtx5Mt Espacement, 400 plants / Ha in Anantapur Circle.			
138	04-20-001	Alignment and staking including cost of stakes	119.49	1 Ha.
139	04-20-002	Digging of 60x60x60cmt pits	RSSR	Per pit

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 5 Km lead		
140	04-20-003	15X30cm (6"X12") bag plants	133.13	100 Nos.
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading beyond 5 Km - extra for every each Km.		
141	04-20-004	15 X 30cm (6"X12") bag plants	4.66	100 nos per km
		Internal transport of bag plants/root trainers to planting points on head loads.		
142	04-20-005	15X30cm (6"X12") bag plants	83.58	100 Nos.
143	04-20-006	Application of vermicompost	28.53	1000 plants
		Planting bag plants		
144	04-20-007	30cmX30cmX30cm pits	127.98	100 Nos.
145	04-20-008	45cmX45cmX45 cm pits	398.19	100 Nos.
146	04-20-009	Watering, by pump set, weeding and soil working 1 Mt. Dia. Around the plant, removal of rootstock re-growth. (6 watering per Month)	8517.51	1000/PM
147	04-02-010	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
148	04-02-011	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
149	04-02-013	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
150	04-02-014	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
151	04-02-015	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	04-21 - MAINTENANCE OF CMA OF NTFP SPECIES: (TAMARIND, JAMUN, AMLA, SEETHAPHAL, JACK FRUIT WOOD APPLE, BER, ETC.) (4MtX4Mt. Espacement, 625 Plants per Hec.) To be maintained as long as scion material is obtained from CMA.			
152	04-21-001	Watering, by pump set, weeding and soil working 1 Mt. Dia. Around the plant, removal of rootstock regrowth. (6waterings per Month)	8517.51	1000/PM
153	04-21-002	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
154	04-21-003	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
155	04-21-004	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
156	04-21-005	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
157	04-21-006	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.
158	04-21-007	Application of vermicompost	31.39	1000 plants
159	04-21-008	Application of Neem Cake at 500 Grs. Per plant per each dose (for 2 doses at an interval of 6 months)	31.39	1000 plants
	04-22 - ESTABLISHMENT OF CLONAL TEST AREAS (CTA): (To be devised with a statistical design. Espacement varies with design and species)			
160	04-22-001	Advance operations including ploughing are to be followed as per the FSR on raising of semi-mechanical method of plantations.		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Alignment & Staking		
161	04-22-002	Alignment and staking including laying base line for teak, Casuarina with espacement 2m X 2m (2500 Nos)	57.20	100 nos
162	04-22-003	Alignment and staking including laying base line for Eucalyptus with espacement 3mX 2m (1666 Nos)	68.56	100 nos
163	04-22-004	Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	76.15	100 nos
164	04-22-005	Alignment and staking including laying base line for Usiri, Kanuga, Kunkudu, Bamboo etc. with espacement 5mX5m (400 Nos)	101.42	100 nos
165	04-22-006	Cost of 0.45 M Stake preparation and transportation to site.	50.66	100 nos
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 5 Km lead		
166	04-22-007	10 X 17.5cm (4"X7") bag plants	41.67	100 Nos.
167	04-22-008	12.5 X 22.5cm (5"X9") bag plants	66.10	100 Nos.
168	04-22-009	15X30cm (6"X12") bag plants	133.13	100 Nos.
169	04-22-010	20 X 30cm (8"X12") bag plants	238.60	100 Nos.
170	04-22-011	Root trainer plants with stands and returning root trainers to the nursery.	4" X 7" Rates may be adopted	
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading beyond 5 Km - extra for every each Km.		
171	04-22-012	10 X 17.5cm (4"X7") bag plants	1.55	100 nos per km
172	04-22-013	12.5 X 22.5cm (5"X9") bag plants	2.47	100 nos per km
173	04-22-014	15 X 30cm (6"X12") bag plants	4.66	100 nos per km
174	04-22-015	20 X 30cm (8"X12") bag plants	9.32	100 nos per km

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Internal transport of bag plants/root trainers to planting points on head loads.		
175	04-22-016	10 X 17.5cm (4"X7") bag plants	35.38	100 Nos.
176	04-22-017	12.5 X 22.5cm (5"X9") bag plants	54.04	100 Nos.
177	04-22-018	15X30cm (6"X12") bag plants	83.58	100 Nos.
178	04-22-019	20 X 30cm (8"X12") bag plants	129.25	100 Nos.
179	04-22-020	Root trainer plants with stands	4" X 7" Rates may be adopted	
		Digging of pits in ordinary soils		
180	04-22-021	Digging of 30 cm. cube pits	4.42	Each
181	04-22-022	Digging of 45 cm. cube pits	16.73	Each
		Digging of pits in hard gravelly soils		
182	04-22-023	Digging of 30 cm. cube pits	4.88	Each
183	04-22-024	Digging of 45 cm. cube pits	18.95	Each
		Digging of pits in ploughed areas (50% of the rates adopted for digging of pits in ordinary soils)		
184	04-22-025	Digging of 30 cm. cube pits	2.20	Each
185	04-22-026	Digging of 45 cm. cube pits	8.36	Each
		Digging of trenches		
186	04-22-027	Digging of trenches in ordinary soils.	175.70	Cmt
187	04-22-028	Digging of trenches in hard gravelly soils.	183.91	Cmt
188	04-22-029	Digging crow-bar holes 23cm (9") deep and planting stumps in crow-bar holes and closing and compacting so that it can not be pulled up easily.	51.33	100 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
189	04-22-030	Cost of Chemical fertilizers (50gram SSP for basal dressing, 20 gram DAP after planting for 30 cm ³ & 45 cm ³ pits).	As per actuals	
190	04-22-031	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar. 10 cmts away from plant and putting fertilizers and closing	35.76	100 Nos.
191	04-22-032	Basal dressing	31.39	100 Nos.
		Planting bag plants		
192	04-22-033	30cmX30cmX30cm pits	127.98	100 Nos.
193	04-22-034	45cmX45cmX45 cm pits	398.19	100 Nos.
194	04-22-035	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
195	04-22-036	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
196	04-22-037	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
197	04-22-038	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
198	04-22-039	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.
199	04-22-040	Watering by pipe (6 watering per month) for 8 months (April to May and Oct to March).	144.77	100 plants per time
200	04-22-042	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos.
201	04-22-043	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils (50% more than ordinary soils)	597.28	100 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
202	04-22-044	Preparation of Clonal test area board and Clonal identification boards including cost and conveyance.	Actuals	
	04-23 - MAINTENANCE OF CLONAL TEST AREAS (CTA) :			
203	04-23-001	Watering by pipe (6 waterings per month) for 8 months (April to May and Oct to March).	144.77	100 plants per time
204	04-23-002	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
205	04-23-003	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
206	04-23-004	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
207	04-23-005	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
208	04-23-006	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.
209	04-23-008	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil alround the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos.
210	04-23-009	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil alround the plant to 10cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils (50% more than ordinary soils)	597.28	100 Nos.
211	04-23-010	Measurement of growth parameters and making other observations once in an every (3) months.	2.75	Per plant
212	04-23-011	Collection, weightment and analysis of fruit, seed from individual clones.	13.53	Per plant

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	04-24 - ESTABLISHMENT OF PROVENANCE/ PROGENY TRIAL PLOTS:			
	(To be raised with a statistical design. Espacement varies with design and species)			
213	04-24-001	Advance operations including ploughing are to be followed as per the FSR on raising of semi-mechanical method of plantations.		
		Alignment & Staking		
214	04-24-002	Alignment and staking including laying base line for teak, Casuarina with espacement 2m X 2m (2500 Nos)	57.20	100 nos
215	04-24-003	Alignment and staking including laying base line for Eucalyptus with espacement 3mX 2m (1666 Nos)	68.56	100 nos
216	04-24-004	Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	76.15	100 nos
217	04-24-005	Alignment and staking including laying base line for Usiri, Kanuga, Kunkudu, Bamboo etc. with espacement 5mX5m (400 Nos)	101.42	100 nos
218	04-24-006	Cost of 0.45 M Stake preparation and transportation to site.	50.66	100 nos
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 5 Km lead		
219	04-24-007	10 X 17.5cm (4"X7") bag plants	41.67	100 Nos.
220	04-24-008	12.5 X 22.5cm (5"X9") bag plants	66.10	100 Nos.
221	04-24-009	15X30cm (6"X12") bag plants	133.13	100 Nos.
222	04-24-010	20 X 30cm (8"X12") bag plants	238.60	100 Nos.
223	04-24-011	Root trainer plants with stands and returning root trainers to the nursery.	4" X 7" Rates may be adopted	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading beyond 5 Km - extra for every each Km.		
224	04-24-012	10 X 17.5cm (4"X7") bag plants	1.55	100 nos per km
225	04-24-013	12.5 X 22.5cm (5"X9") bag plants	2.47	100 nos per km
226	04-24-014	15 X 30cm (6"X12") bag plants	4.66	100 nos per km
227	04-24-015	20 X 30cm (8"X12") bag plants	9.32	100 nos per km
228	04-24-016	Root trainer plants with stands	4" X 7" Rates may be adopted	
		Internal transport of bag plants/root trainers to planting points on head loads.		
229	04-24-017	10 X 17.5cm (4"X7") bag plants	35.38	100 Nos.
230	04-24-018	12.5 X 22.5cm (5"X9") bag plants	54.04	100 Nos.
231	04-24-019	15X30cm (6"X12") bag plants	83.58	100 Nos.
232	04-24-020	20 X 30cm (8"X12") bag plants	129.25	100 Nos.
233	04-24-021	Root trainer plants with stands	4" X 7" Rates may be adopted	
		Digging of pits in ordinary soils		
234	04-24-022	Digging of 30 cm. cube pits	4.42	Each
235	04-24-023	Digging of 45 cm. cube pits	16.73	Each
		Digging of pits in hard gravelly soils		
236	04-24-024	Digging of 30 cm. cube pits	4.88	Each
237	04-24-025	Digging of 45 cm. cube pits	18.95	Each
		Digging of pits in ploughed areas (50% of the rates adopted for digging of pits in ordinary soils)		
238	04-24-026	Digging of 30 cm. cube pits	2.20	Each
239	04-24-027	Digging of 45 cm. cube pits	8.36	Each

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Digging of trenches		
240	04-24-028	Digging of trenches in ordinary soils.	175.70	Cmt
241	04-24-029	Digging of trenches in hard gravelly soils.	183.91	Cmt
242	04-24-030	Digging crow-bar holes 23cm (9") deep and planting stumps in crow-bar holes and closing and compacting so that it can not be pulled up easily.	51.33	100 Nos.
243	04-24-031	Cost of Chemical fertilizers (50gram SSP for basal dressing, 20 gram DAP after planting for 30 cm ³ & 45 cm ³ pits).	As per actuals	
244	04-24-032	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar . 10 cmts away from plant and putting fertilizers and closing	35.76	100 Nos.
		Planting bag plants		
245	04-24-033	30cmX30cmX30cm pits	127.98	100 Nos.
246	04-24-034	45cmX45cmX45 cm pits	398.19	100 Nos.
247	04-24-035	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
248	04-24-036	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
249	04-24-037	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
250	04-24-038	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
251	04-24-039	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
252	04-24-040	Watering by pipe (6 waterings per month) for 8 months (April to May and Oct to March).	144.77	100 plants per time
253	04-24-042	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos.
254	04-24-043	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils (50% more than ordinary soils)	597.28	100 Nos.
255	04-24-044	Application of insecticides	31.39	100 plants per time
256	04-24-045	Preparation of name board and family identification boards including cost and conveyance.		
	04-25 - 1ST YEAR MAINTENANCE OF PROVENANCE /PROGENY TRIAL PLOTS:			
257	04-25-001	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
258	04-25-002	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
259	04-25-003	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
260	04-25-004	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
261	04-25-005	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.
262	04-25-006	Watering through pump sets to the plants on non rainy days (max.6 waterings/month from Apr.-May. and Oct.-Mar.)	144.77	100 Nos. per time
263	04-25-008	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
264	04-25-009	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils (50% more than ordinary soils)	597.28	100 Nos.
265	04-25-010	Application of insecticides	31.39	100 Nos. per time
	04-26 - BEYOND 1st YEAR MAINTENANCE OF PROVENANCE /PROGENY TRIAL PLOTS:			
266	04-26-001	Watering through pump sets to the plants on non rainy days (max.6 waterings/month from Apr.-May. and Jan.-Mar.)	144.77	100 plants per time
267	04-26-003	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos.
268	04-26-004	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils (50% more than ordinary soils)	597.28	100 Nos.
269	04-26-005	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
270	04-26-006	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
271	04-26-007	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
272	04-26-008	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
273	04-26-009	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.
274	04-26-010	Cost of fertilizers and insecticides	As per actuals	
275	04-26-011	Application of fertilizers and insecticides	31.39	100 plants per time

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	04-27 - ESTABLISHMENT OF CLONAL SEED ORCHARDS:			
	(To be revised with a statistical design. Espacement varies with design and species)			
276	04-27-001	Advance operations including ploughing are to be followed as per the FSR on raising of semi-mechanical method of plantations.		
		Alignment & Staking		
277	04-27-002	Alignment and staking including laying base line for teak, Casuarina with espacement 2m X 2m (2500 Nos)	57.20	100 nos
278	04-27-003	Alignment and staking including laying base line for Eucalyptus with espacement 3mX 2m (1666 Nos)	68.56	100 nos
279	04-27-004	Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	76.15	100 nos
280	04-27-005	Alignment and staking including laying base line for Usiri, Kanuga, Kunkudu, Bamboo etc. with espacement 5mX5m (400 Nos)	101.42	100 nos
281	04-27-006	Cost of 0.45 M Stake preparation and transportation to site.	50.66	100 nos
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 5 Km lead		
282	04-27-007	10 X 17.5cm (4"X7") bag plants	41.67	100 Nos.
283	04-27-008	12.5 X 22.5cm (5"X9") bag plants	66.10	100 Nos.
284	04-27-009	15X30cm (6"X12") bag plants	133.13	100 Nos.
285	04-27-010	20 X 30cm (8"X12") bag plants	238.60	100 Nos.
286	04-27-011	Root trainer plants with stands and returning root trainers to the nursery.	4" X 7" Rates may be adopted	
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading beyond 5 Km - extra for every each Km.		
287	04-27-012	10 X 17.5cm (4"X7") bag plants	1.55	100 nos per km
288	04-27-013	12.5 X 22.5cm (5"X9") bag plants	2.47	100 nos per km
289	04-27-014	15 X 30cm (6"X12") bag plants	4.66	100 nos per km
290	04-27-015	20 X 30cm (8"X12") bag plants	9.32	100 nos per km
291	04-27-016	Root trainer plants with stands	4" X 7" Rates may be adopted	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Internal transport of bag plants/root trainers to planting points on head loads.		
292	04-27-017	10 X 17.5cm (4"X7") bag plants	35.38	100 Nos.
293	04-27-018	12.5 X 22.5cm (5"X9") bag plants	54.04	100 Nos.
294	04-27-019	15X30cm (6"X12") bag plants	83.58	100 Nos.
295	04-27-020	20 X 30cm (8"X12") bag plants	129.25	100 Nos.
296	04-27-021	Root trainer plants with stands	4" X 7" Rates may be adopted	
		Digging of pits in ordinary soils		
297	04-27-022	Digging of 30 cm. cube pits	4.42	Each
298	04-27-023	Digging of 45 cm. cube pits	16.73	Each
		Digging of pits in hard gravelly soils		
299	04-27-024	Digging of 30 cm. cube pits	4.88	Each
300	04-27-025	Digging of 45 cm. cube pits	18.95	Each
		Digging of pits in ploughed areas (50% of the rates adopted for digging of pits in ordinary soils)		
301	04-27-026	Digging of 30 cm. cube pits	2.20	Each
302	04-27-027	Digging of 45 cm. cube pits	8.36	Each
		Digging of trenches		
303	04-27-028	Digging of trenches in ordinary soils.	175.70	Cmt
304	04-27-029	Digging of trenches in hard gravelly soils.	183.91	Cmt
305	04-27-030	Digging crow-bar holes 23cm (9") deep and planting stumps in crow-bar holes and closing and compacting so that it can not be pulled up easily.	51.33	100 Nos.
306	04-27-031	Cost , conveyance and application of FYM of 1/2 cft (0.014 cmt) /plant two doses		
307	04-27-032	Cost of Vermicompost	8.77	Kg
308	04-27-033	Basal dressing		
309	04-27-034	Application of vermicompost	31.39	100 nos

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Planting bag plants		
310	04-27-035	30cmX30cmX30cm pits	127.98	100 Nos.
311	04-27-036	45cmX45cmX45 cm pits	398.19	100 Nos.
312	04-27-037	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
313	04-27-038	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
314	04-27-039	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
315	04-27-040	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
316	04-27-041	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.
317	04-27-042	Watering by pipe (6 watering per month) for 8 months (April to May and Oct to March).	144.77	1000/time
318	04-27-044	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos.
319	04-27-045	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils (50% more than ordinary soils)	597.28	100 Nos.
320	04-27-046	Application of fertilizers and insecticides	31.39	1000/time
321	04-27-047	Removal of root stock regrowth (once in a month)	843.97	1 Ha.
322	04-27-048	Preparation of Clonal test area board and Clonal identification boards including cost and conveyance.		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	04-28 - FIRST, SECOND & THIRD YEAR MAINTENANCE OF CLONAL SEED ORCHARDS:			
323	04-28-001	Watering by pipe (6 waterings per month) for 8 months (April to May and Oct to March).	144.77	100 plants per time
324	04-28-003	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils	398.19	100 Nos.
325	04-28-004	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils (50% more than ordinary soils)	597.28	100 Nos.
326	04-28-005	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
327	04-28-006	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
328	04-28-007	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
329	04-28-008	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
330	04-28-009	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.
331	04-28-010	Cost and conveyance of vermicompost	8.77	Kg
	04-29 - 4TH AND SUBSEQUENT YEARS MAINTENANCE OF CLONAL SEED ORCHARDS:			
332	04-29-001	Application of fertilizers and insecticides	31.39	100 plants per time

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	04-30 - ESTBLISHMENT OF SEED PRODUCTION AREA:			
333	04-30-001	Survey demarcation and cutting of lines not maintained for more than 10 years, new stripines to be 2 Mts. Width.	483.31	1 Km
334	04-30-002	Enumeration of standing trees in selected SPA and numbering on the bark including cost of paint.	210.67	100 Nos.
335	04-30-003	Cost of fertilizer (2kg/tree)/ Vermi compost	8.77	per Kg
336	04-30-004	Application of fertilizer/ Vermi compost	31.39	100 Nos
337	04-30-005	Formation and maintenance of inspection paths of 4.00 Mt. Wide	140.73	20Rmt/ Ha
338	04-30-006	Fire tracing along existing and new fire lines, plantation boundaries, roads etc.	69.50	20Rmt/ Ha
339	04-30-007	Fixing of plantation stone of RCC block of the size of 1.2Mx0.5Mx0.1M.	CSSR	each
340	04-30-008	Cost of tin plates including painting and numbering	Actuals	
341	04-30-009	Gully plugging with R.R.Stone	CSSR	
		Cutting of coppice growth:		
342	04-30-010	(i) 1st operation (August/September)	843.97	1 Ha.
343	04-30-011	(ii) 2nd operation (December/January)	843.97	1 Ha.
344	04-30-012	Planting agave suckers by scooping the soil to depth of 10 cms. At an espacement of 30 cms.	11.17	100 Nos.
345	04-30-013	Watch and ward for 4 months from December to March in case of teak to prevent unauthorized collection of seed and assisting in collection of seed @ one watch & ward up to 25 Ha.	As per District Collector wage rate	Per Day
346	04-30-014	Miscellaneous expenditure-tools implements etc.	Actuals	
	04-31 - PREPARATION OF VERMI COMPOST:			
347	04-31-001	Construction of concrete basin of 1M X 1M X 0.6 M size, and 15cm. Wide and 10-cm. deep water channel around the basin.	CSSR	
348	04-31-002	Providing shade with locally available material to prevent direct sunlight & rain	CSSR	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
349	04-31-003	Collection of green leaf/ green vegetable waste including transportation to Nursery (care should be taken to avoid pulpy vegetables such as lime, tomato etc. & also avoid polythene bags & other synthetic substances).	As per actuals	
350	04-31-004	Manual Shredding of green leaf/ green vegetable waste into small pieces of 1-2 cm. and allowing it to decompose/ detoxify for atleast 15 days by leaving in open sun.	605.33	1 Cum
351	04-31-005	Mixing chopped material with 1 Cft of cow dung slurry including cost and conveyance of cow dung and loading the mixture into concrete basin.	66.78	1 Cum
352	04-31-006	Plastering the surface of loaded material with 2.5 cm. thick soil paste, making 2 cm. Diameter holes 30 cm. apart to provide aeration, including cost & conveyance of soil.	99.12	1 Cum
353	04-31-007	Cost of Earth Worms (1000) Nos. per basin and releasing them through holes in the basin.	As per actuals	
354	04-31-008	Removal of mud pack, collection of compost along with worms after 6 weeks, making small pyramids, and leave it for 6-8 hours. for separation of earthworms from the compost so as to reuse them.	52.64	1 Cum
355	04-31-009	Drying the compost for 2-3 days, followed by sieving through 3 mm. holes to separate small worms, cocoons and unified matter (The small worms can be reused again along with adults).	52.64	1 Cum
	Note :	Approximate nutrient Status of Vermicompost will be as follows :-		
		Moisture		
		Organic Carbon		
		Total Nitrogen		
		Phosphorus		
		Potassium		
		Zinc		
		Iron		
		Copper		
		Sulfur		
		PH		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		04-32- ESTABLISHMENT OF ARBORETUM:		
		Arboretum is a place where many different species of plants of arborescent habit are grown for scientific study, ex-situ conservation, phonological studies and development of public awareness.		
		The arboretum is to be established based on Bentham and Hooker classification. The total area should be atleast 3 ha. and the area is to be divided into (9) sectors based on the series. The sector wise details are as follows :		
		DICTOS/ POLYPETALAE:		
		1. Thalamiflorae		
		2. Disciflorae		
		3. Calyciflorae		
		DICOTS/ GAMOPETALAE:		
		4. Inferae		
		5. Heteromerae		
		6. Bicarpellatae		
		DICOTS/ APETALAE:		
		7. Monochlamydeae		
		8. Gymnosperms		
		9. Monocotyledons		
		Each sector is again divided into rows of 3Mts. apart and the families of different series are arranged in the rows serially as per the classification. The arboretum is to be fenced with barbed wire and is provided with a gate and watchman shed.		
		Design:		
		Bentham and Hooker classification design enclosed.		
		Espacement:		
		3m X 3m, Planting can be done either by single row of 3 plants (where area available is less) or in square block of (9) plants of each species		
		Raising 2 options.		
		1. Single row of 4 plants 3 Mt. apart		
		2. Square block of plants (3 X 3 = 9) in 3 X 3mt. espacement.		
		Restrict No. of plants for each species depending on the area available		
		04-32 - ESTABLISHMENT OF ARBORETUM:		
		Advance Operations:		
356	04-32-001	Survey with GPS (Only staff to carry out) one manday is allowed for assistance (RSSR)	194.00	Plantation

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Preparation of site for planting by clearing thorny unsaleable, unusable jungle growth, creepers, bushes etc. spreading the cut material all over the site and burning the same.		
357	04-32-002	Sparse Jungle growth (< 10% ground area covered Jungle growth)	1894.61	Ha.
358	04-32-003	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth)	2848.17	Ha.
359	04-32-004	Light Jungle growth (> 20% and upto 30% ground area covered with Jungle growth)	5707.10	Ha.
360	04-32-005	Medium Jungle growth (> 30% ground area covered with Jungle growth)	8592.85	Ha.
		Uprootal of stumps to a depth of 45 cm (excluding unsuitable patches) with heavy machinery fitted with 0.90 cum and above capacity bucket, filling the pits caused by uprootal and leveling.		
361	04-32-006	Sparse Jungle growth (< 10% ground area covered Jungle growth)	7466.26	Ha.
362	04-32-007	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth)	11963.79	Ha.
363	04-32-008	Light Jungle growth (> 20% and upto 30% ground area covered with Jungle growth)	15554.73	Ha.
364	04-32-009	Medium Jungle growth (> 30% ground area covered with Jungle growth)	20345.57	Ha.
		Collection and removal of uprooted stumps of all sizes, other debris etc., to outside the plantation site.		
365	04-32-010	Sparse Jungle growth (< 10% ground area covered Jungle growth)	5056.52	Ha.
366	04-32-011	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth)	8024.05	Ha.
367	04-32-012	Light Jungle growth (> 20% and upto 30% ground area covered with Jungle growth)	9356.14	Ha.
368	04-32-013	Medium Jungle growth (> 30% ground area covered with Jungle growth)	10689.79	Ha.
		Tilling the soil to a depth of 45 cm in the entire area (excluding unsuitable patches) with heavy machinery fitted with 0.90 cum and above capacity bucket and leveling		
369	04-32-014	Sparse Jungle growth (< 10% ground area covered Jungle growth)	18665.67	Ha.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
370	04-32-015	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth)	15912.49	Ha.
371	04-32-016	Light Jungle growth (> 20% and upto 30% ground area covered with Jungle growth)	11011.18	Ha.
372	04-32-017	Medium Jungle growth (> 30% and upto 60 % ground area covered with Jungle growth)	9573.93	Ha.
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough. (untilled Areas)		
373	04-32-018	Ordinary Soils	3482.69	Ha
374	04-32-019	Hard /Gravelly Soils (50% extra on ordinary soil rate)	5224.83	Ha
375	04-32-020	Black Clayey, Bouldary Soils and Soft Disintegrated Rocks.(50% extra on hard gravelly soil rate)	7838.02	Ha
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough (Tilled Areas)		
376	04-32-021	Ordinary Soils	3482.69	Ha
377	04-32-022	Hard Gravelly Soils, Black clayey and Bouldary soils	4355.31	Ha
		Alignment &Staking		
378	04-32-023	Alignment and staking including laying base line for teak, Casuarina with espacement 2m X 2m (2500 Nos)	57.20	100 nos
379	04-32-024	Alignment and staking including laying base line for Eucalyptus with espacement 3mX 2m (1666 Nos)	68.56	100 nos
380	04-32-025	Alignment and staking including laying base line for Misc speacies with espacement 3mX3m (1111 Nos)	76.15	100 nos
381	04-32-026	Alignment and staking including laying base line for Usiri, Kanuga, Kunkudu, Bamboo etc. with espacement 5mX5m (400 Nos)	101.42	100 nos
382	04-32-027	Cost of 0.45 M Stake preparation and transportation to site.	50.66	100 nos
383	04-32-028	Demarcation of inspection paths	3065.38	1 Km
384	04-32-029	Digging of 60x60x60 cm pits	RSSR	
		Digging of pits in ordinary soils		
385	04-32-030	Digging of 30 cm. cube pits	4.42	Each
386	04-32-031	Digging of 45 cm. cube pits	16.73	Each

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Digging of pits in hard gravelly soils		
387	04-32-032	Digging of 30 cm. cube pits	4.88	Each
388	04-32-033	Digging of 45 cm. cube pits	18.95	Each
		Digging of pits in ploughed areas (50% of the rates adopted for digging of pits in ordinary soils)		
389	04-32-034	Digging of 30 cm. cube pits	2.20	Each
390	04-32-035	Digging of 45 cm. cube pits	8.36	Each
		Digging of trenches		
391	04-32-036	Digging of trenches in ordinary soils.	175.70	Cmt
392	04-32-037	Digging of trenches in hard gravelly soils.	183.91	Cmt
393	04-32-038	Digging crow-bar holes 23cm (9") deep and planting stumps in crow-bar holes and closing and compacting so that it can not be pulled up easily.	51.33	100 Nos.
394	04-32-039	Cost and collection of seedlings	Actuals	
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 5 Km lead		
395	04-32-040	10 X 17.5cm (4"X7") bag plants	41.67	100 Nos.
396	04-32-041	12.5 X 22.5cm (5"X9") bag plants	66.10	100 Nos.
397	04-32-042	15X30cm (6"X12") bag plants	133.13	100 Nos.
398	04-32-043	20 X 30cm (8"X12") bag plants	238.60	100 Nos.
399	04-32-044	Root trainer plants with stands and returning root trainers to the nursery.	4" X 7" Rates may be adopted	
		Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading beyond 5 Km - extra for every each Km.		
400	04-32-045	10 X 17.5cm (4"X7") bag plants	1.55	100 nos per km
401	04-32-046	12.5 X 22.5cm (5"X9") bag plants	2.47	100 nos per km
402	04-32-047	15 X 30cm (6"X12") bag plants	4.66	100 nos per km
403	04-32-048	20 X 30cm (8"X12") bag plants	9.32	100 nos per km
404	04-32-049	Root trainer plants with stands	4" X 7" Rates may be adopted	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Internal transport of bag plants/root trainers to planting points on head loads.		
405	04-32-050	10 X 17.5cm (4"X7") bag plants	35.38	100 Nos.
406	04-32-051	12.5 X 22.5cm (5"X9") bag plants	54.04	100 Nos.
407	04-32-052	15X30cm (6"X12") bag plants	83.58	100 Nos.
408	04-32-053	20 X 30cm (8"X12") bag plants	129.25	100 Nos.
409	04-32-054	Root trainer plants with stands	4" X 7" Rates may be adopted	
		Planting bag plants		
410	04-32-055	30cmX30cmX30cm pits	127.98	100
411	04-32-056	45cmX45cmX45 cm pits	398.19	100
412	04-32-057	Watering by pipe, weeding and soil working 1 Mt dia around the plant, fertilizer application, pesticide application and watch and ward.	7182.94	1000 Plants / PM.
413	04-32-058	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
414	04-32-059	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
415	04-32-060	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
416	04-32-061	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
417	04-32-062	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.
418	04-32-063	Preparation and erection of display board in Arboretum	Actuals	
		Erection of fence		
419	04-32-064	(a) Cost of fence posts	Actuals	
420	04-32-065	(b) Cost of barbed wire	Actuals	
421	04-32-066	(c) Fixing of fence posts	CSSR	
422	04-32-067	(d) Fixing of Barbed wire	Actuals	
423	04-32-068	Erection of watchman shed and gate	Actuals	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Laying of water pipe line		
424	04-32-069	(a) Cost of pipes	Actuals	
425	04-32-070	(b) Laying and jointing	CSSR	
426	04-32-071	Cost of fertilizers, chemicals pesticides/ Vermi compost etc.	Actuals	
	04-33 - 1ST YEAR, 2ND YEAR AND 3RD YEAR AND BEYOND 3rd YEARMaintenance of Arboretum/ Demo plots			
427	04-33-001	Watering by pipe, weeding and soil working 1 Mt dia around the plant, fertilizer application, pesticide application and watch and ward.	7182.94	1000 Plants / PM.
428	04-33-002	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas.	2322.31	Ha.
429	04-33-003	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils, Black clayey and Bouldary soils in tilled areas	2904.06	Ha.
430	04-33-004	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in ordinary soils (2/3rd of ordinary ploughing rate)	2322.31	Ha.
431	04-33-005	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly soils (2/3rd of deep ploughing rate)	3482.69	Ha.
432	04-33-006	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary Soils (2/3rd of clayey soils and bouldary soil ploughing rate)	5224.83	Ha.
	LAYOUT PLAN OF ARBORETUM AS PER BENTHOM AND HOOKER'S CLASSIFICATION AS ESTABLISHED AT REGIONAL FOREST RESEARCH CENTRE, RAJAHMUNDY			
	Row 1.	DILLENIACEAE : Dillenia indica, D.pentagyna, D.retusa MAGNOLIACEAE: Michelia champaca, Michelia nilagirica		
	2.	ANNONACEAE : Annona reticulata, A.squamosa, Artabotrys hexapetalus, Canaga odorata, Milieus tomentosa (Saccopetalum tomentosum)		
	3.	Meliusa velutina, Polyalthia cerasoides, Polyalthia longifolia, Polyalthia suberosa		
	4	CAPPARIDACEAE : Capparis aphelia, Crataeva religiosa, Maerua apetala		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	5	BIXACEAE : Bixa orellana COCHLOSPERMACEAE : Cochlospermum religiosum (C.gossypium) FLACOURTIACEAE : Flacourtia indica		
	6	TAMARICACEAE : Tamarix dioica, T. troupii CLUSIACEAE (GUTTIFERAE) : Calophyllum inophyllum, Garcinia indica, Mesua ferrea, Orchrocarpus longifolius		
	7	DIPTEROCARPACEAE : Dipterocarpus indicus, Hopea parviflora, Shorea robusta, S.roxburghii (S.talura), S. tumbuggia, Vateria indica		
	8	MALVACEAE : Gossypium Sp., Hibiscus sp., Kydia calycina, Thespesia populnea		
	9	BOMBACACEAE : Adansonia digitata, Bombax ceiba (Bombax malabaricum), Ceiba pentandra (Tella Buruga)		
	10	STERCULIACEAE : Eriolaena candollei, Guazuma ulmifolia (Rudraksha), Firmiana colorata (Scarlet sterculia), Helecteres isora, Heritiera littorals		
	11	Pterospermum acerifolium, P.canescens, P.xylocarpum, Sterculia foetida, Sterculia guttata, Sterculia urens, Sterculia villosa		
	12	TILIACEAE : Grewia abutilifolia, G.asiatica, G.rothii, G. tiliaefolia, ELAEOCARPACEAE: Elaeocarpus cernatus, Elaeocarpus tuberculatus		
	13	LINACEAE : Erythroxylum monogynum		
		RUTACEAE : Aegle marmelos, Atlanta monophylla.		
	14	Citrus aurantifolia (Nimma), C.aurantifolia var.limetta (sweet lime), Citrus aurantium (Sour Orange), C.jambhiri (Rough Lemon), C.limon (Dabba)		
	15	C.medica (wild lemon), C. reticulata (mandarin), C.sinensis (Sweet Orange), Glycosmis Mauritania, Limonia alata (Barber's Bale)		
	16	Limonia elephantum, Murraya koenigii, Murraya paniculata (M. exotica), Naringa crenulata (Dog wood apple)		
	17	Zanthoxylum Limonella (Zanthoxylum rhetsa), Zanthoxylum ovalifolium		
	18	SIMARUBACEAE : Ailanthus excelsa BALANITACEAE : Banalities aegyptica OCHNACEAE: Ocher jabotapita (O.squarrosa), Ochna beddomei		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	19	BURSERACEAE : Boswellia glabra, Bursera peniciliata, Commiphora caudate, Garuga pinnate, Protium serratum (Bursera serrate), Canarium strictum		
	20	MELIACEAE : Azadirachta indica, Aglaia elaeagnoidea, Chloroxylon swietenia, Chukrasia tabularis, Cipadessa baccifera		
	21	Melia azedarach, Melia composita, Swietenia mahogany, S. microphylla		
	22	Soyimida febrifuge, Toona ciliate, Hyena trijuga, Walsura trifoliata		
	23	CELASTRACEAE : Cassine glauca, Euonymus crenulatus, Gynosporia spinosa, Lophopetalum wightianum, Pleurostylia opposites		
	24	ACFRACEAE : Acer niveum RHAMNACEAE : Acutia myritina, Zizyphus glabrata, Z.horrida, Z.mauritiana (Z.jujuba) Z.oenoplia, Z.zylopyrus, Z.rotundifolia		
	25	SAPINDACEAE : Sapindus emarginatus, Euphoria longana, Sapindus mukorosii, Allophylus cobble, Lepisanthes tetraphylla		
	26	Schleichera oleosa, Erioglossum rubiginosum MELIOSMACEAE (SABIACEAE) : Meliosma arnottiana, M.pinnata, M.simplicifolia, M.wightii		
	27	ANACARDIACEAE : Anacardium occidentale, Buchanania axillaris, B.lanceolata, B.lanzan, Lannea coromandelica (Odia woodier)		
	28	Mangifera indica, Semecarpus Anacardium, Spondias pinnate MORINGACEAE : Moringa concanensis, Moringa oleifera (Drumstick)		
	29	FABACEAE (PAPILIONACEAE) : Dalbergia latifolia, Dalbergia paniculata, Dalbergia Sissoo, Dalbergia frondosa, Derris indica (Pongamia glabra)		
	30	Pterocarpus marsupium, Pterocarpus santalinus, Erythrina variegata var.orientalis (Erythrina indica), Erythrina suberosa		
	31	Ougenia oojeinensis (Ougenia dalbergioides), Sesbania grandiflora, Sesbania sesban, Mundulea seticea		
	32	Butea monosperma, Robinia pseudocasia, Sophora interrupta, Indigofera pulcherima, Gliricidia maculate		
	33	CAESALPINACEAE : Delonix regia, Saraca asoca (Saraca indica), Tamarindus indica, Acrocarpus fraxinifolius		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	34	Peltophorum pterocarpum (P.ferrugineum), Cassia fistula, C.grandis, C.siamea, C.marginata		
	35	Cassia alata, C.glauca, C.nodosa, C.tora, C.javanica, Caesalpinia sappan, C.pulcherrima, C.digyna		
	36	Caesalpinia coriaria, Parkinsonia aculeate, Bauhinia acuminate, B.purpurea, B.racemosa		
	37	Bauhinia retusa, B.tomentosa, B.variegata, Delonix elate, Hardwickia binata		
	38	MIMOSACEAE : Prosopis cineraria, Prosopis chilensis (Pl. juliflora), Xylia xylocarpa, Acacia chundra		
	39	Acacia auriculiformis, A. robusta, A.albida, A.farnesiana, A.ferruginea		
	40	Acacia Suma, A.holosericea, A.caesia, A.catechu, A.sinuata (A.concinna), A.tortilis		
	41	Acacia leucophloea, A.latronum, A.nilotica, A.pennata, A.planifrons, Pithecellobium dulce, Corallia branchiata		
	42	Samanea saman, Albizia lebbeck, Albizia chinensis (Albizia stipulate), Albizia procera, Albizia odoratissima		
	43	Albizia amara, Adenanthera pavonia, Parkia biglandulosa, Leucaena leucocephala, Dichrostachys cineraria		
	44	ROSACEAE : Pygeum acuminatum, P.andersoni, Rubes gardnerianus, R.niveus RHIZOPHORACEAE : Bruguiera		
	45	COMBRETACEAE : Terminalia arjuna, Terminalia tomentosa, Terminalia Billerica, Terminalia chebula		
	46	Terminalia catalpa, Terminalia sericea, Terminalia paniculata, Terminalia pallida, Anogeissus acuminates, A.latifolia, Lumnitzeria sp.		
	47	MYRTACEAE : Eucalyptus camaldulensis, E.citriodora, E.globulus, E.tereticornis, E.alba		
	48	INSPECTION PATH		
	49	MYRTACEAE Contd. : Syzygium cumini, Syzygium jambos, S.aromaticum, S.fruticosum, Callistemon lanceolata, C.linearis		
	50	Psidium guajava, Eugenia heyneana,		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	51	BARRINGTONIACEAE : Careya arborea, Barringtonia acutangula (Eugenia acutangula), LECYTHIDACEAE : Couroupita guianensis (Cannon Ball Tree)		
	52	MELASTOMACEAE : Melastoma malabathricum, Memecylon edule, Memecylon lushingtoni, M.umbellatum		
	53	LYTHRACEAE : Lagerostroemia parviflora, L.speciosa, B.lanceolata, L.indica, Lawsonia inermis, Woodfordia fruticosa SONNERATIACEAE : S.apetala		
	54	PUNICACEAE : Punica granatum		
	55	Tetramelaceae (DATISCACEAE) : Tetrameles nudiflora CACTACEAE : ARALIACEAE : Schefflera ALANGIACEAE : Alangium salvifolium		
	56	CAPRIFOLIACEAE: Viburnum acuminatum RUBIACEAE: Adina cordifolia (Saffron Teak), Anthocephalus chinensis (Parvaaty's tree)		
	57	Terenna asiatica (Papidi), Pavetta indica, Pavetta tomentosa, P.candolleana, Hymenodictyon orixense (H.excelsum), H.obovatum		
	58	Mitragyna parvifolia, Ixora Pavetta, Ixora brachiata, Morinda tomentosa (M.tinctoria), M.citrifolia, Wendlandia heynei		
	59	Canthium dicoccum, C.parviflorum, C.umbellatum, Gardenia gummifera, G.latifolia, G.licuda, G.resinifera, G.turgida, Randia candolleana var.corybosa		
	60	Randia malabarica, R.spinosa, R.uliginosa, Spermadictyon suayeolens, Cinchona officinalis, Coffee Arabic, Mussenda sp. Neonauclea purpurea		
	61	SAPOTACEAE : Achras sapota, Manilkara hexandra, Palaquium ellipticum (Indian Gutta Percha tree)		
	62	Mimusops elengi, Madhuca indica, Madhuca longifolia, Madhuca malabarica		
	63	EBENACEAE : Diospyros melanoxylon, D.montana, D.sylvatica, D.peregrina, D.ebenum, D.chloroxylon, D.tomentosa		
	64	OLEACEAE : Nyctanthes arbor-tristis, Schrebera swietenoides, Olea glandulifera, Linociera zeylanica, L.malabarica, L.ramiflora, Jasminum arborescens		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	65	SALVADORACEAE : <i>Salvadora persica</i> APOCYNACEAE : <i>Thevetia peruviana</i> , <i>Nerium indicum</i> , <i>Tabernaemontana divaricata</i> , <i>Holarrhena pubescens</i>		
	66	<i>Wrightia tinctoria</i> , <i>Wrightia arborea</i> , <i>Aalstonia scholaris</i> , <i>Plumaria alba</i> , <i>Plumaria rubra</i>		
	67	LONGANIACEAE : <i>Strychnos nux-vomica</i> , <i>S. potatorum</i> , <i>S.colubrina</i> , <i>S. lenticellata</i> PERIPLOCEAE : <i>Cryptostegia grandiflora</i> (Rabbaru chettu)		
	68	EHRETIACEAE : <i>Cordia dichotoma</i> , <i>Ehretia acuminata</i> , <i>Ehretia laves</i>		
	69	SOLANACEAE : <i>Solanum verbascifolium</i> , <i>S.giganteum</i> , <i>S.torvum</i> , <i>Centrum nocturnum</i> , <i>C.diurnum</i>		
	70	BIGNONIACEAE : <i>Millingtonia hortensis</i> , <i>Tecoma stans</i> , <i>Tecomella undulata</i> , <i>Jacaranda mimosaefolia</i> , <i>Heterophragma roxburghii</i> , <i>Radermachera xylocarpa</i>		
	71	<i>Tabubia</i> sp., <i>Stereospermum personatum</i> , <i>S.suaveolens</i> , <i>S.angustifolium</i> , <i>S.xylocarpum</i> , <i>Oroxylum indicum</i>		
	72	<i>Kigelia africana</i> , <i>Dolichandrone crispera</i> , <i>D.falcata</i> var.lawii, <i>Spathodea campanulata</i> , ACANTHACEAE : <i>Adhatoda vasica</i>		
	73	VERBENACEAE : <i>Tectona grandis</i> , <i>Gmelina arborea</i> , <i>Gmelina asiatica</i> , <i>Premna tomentosa</i> , <i>Callicarpa tomentosa</i> , <i>C.arborea</i>		
	74	<i>Vitex negundo</i> , <i>Vitex altissima</i> , <i>V.leucoxydon</i> , <i>V.peduncularis</i> , <i>V.pinnata</i> (V.arborea), <i>V.trifolia</i> AVICENNIACEAE : <i>Avicennia</i> sp. MYRISTICACEAE : <i>M.sp.</i>		
	75	LAURACEAE : <i>Cinnamomum camphora</i> , <i>C.zeylannicum</i> , <i>Litsea decanensis</i> , <i>L.glutinosa</i> , <i>L.monopetala</i>		
	76	<i>Actinodaphne ambigua</i> , <i>Alseodaphne semecarpifolia</i> , <i>Persea macrantha</i> , <i>Neolitsea folioiosa</i> , <i>Phoebe paniculata</i> , <i>Avacado</i> , <i>Pear</i> etc.		
	77	GYROCARPACEAE : <i>Gyrocarpus americanus</i> PROTEACEAE : <i>Grevillea robusta</i> ELAEAGNACEAE : <i>Elaeagnus conferta</i> , <i>E.indica</i> SANTALACEAE : <i>Santalum album</i>		
	78	EUPHORBIACEAE : <i>Euphorbia nivulia</i> , <i>E.tirucalli</i> , <i>E.pulcherima</i> , <i>Bridelia monica</i> , <i>B.montana</i> , <i>B.retusa</i>		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	79	Hemicyclia elata, H.porteri, Cleistanthus collinus, C.patulus, Cicca acida		
	80	Emblica officinalis, Jatropha curcus, J.glandulifera, J.multifida, Macaranga peltata, Mallotus phillippensis, Ricinus communis		
	81	Putranjiva roxburghii, Trewia nudiflora, Givotia rottleriformis, Glochidion velutinum, G.zeylanicumm		
	82	Breynia vitis-idaea (Coral Berry Tree), Hevea brasillensis, Manihot glaziovii, Excoecaria agallocha, Codiaeum variegatum BISCHOFIACEAE : Bischofia javanica		
	83	STILAGINACEAE : Antidesma buniis, A.ghaesebilla ULMACEAE : Trema orientalis, Holoptelea integrifolia, Gironniera reticulata		
	84	Celtis australis, C.cinnamomea, C.tetradra, C.wightii		
	85	Moraceae : Artocarpus heterophyllus, A.hirsutus, A.incisa, A.lakoocha, Broussonetia papyrifera, Ficus arnottiana		
	86	Ficus asperima, F.auriculata, F.benghalensis, F.benjamina, F.carica, F.comosa, F.dalhousiae, F.elastica, F.heterophylla, F.hispida, F.krishnae		
	87	F.lucescens, F.microcarpa, F.mollis, F.mysorensis, F.religiosa, F.tinctoria, Morus alba, M.indica, Streblus asper URTICACEAE : Laportea, Debregeasia		
	88	CASUARINACEAE ; Casuarina equisetifolia, C.junghuniana		
	89	Gnetaceae : Gnetum ula CYCADACEAE : Cycas circinalis, C.beddomei, C.revoluta		
	90	PINACEAE : Araucaria cunninghamii, Pinus caribaea, Pinus oocarpa Pinus excelsa, P.longifolia, P.kesiya		
	91	Taxodium mucronatum, Pinus merkusii, P.gerardiana		
	92	Tuja orientalis, Cryptomeria japonica, Juniperus, Cupressus etc.		
	93	MUDSVRSR : Muds pstsfidisvs, zm.todsvrsr, M.paradisiaca var. troglodytarum, M.superba, M.textiles		
	94	Ravenala madagascariensis LILIACEAE : Dracaena AGAVACEAE : Agave americana, A.sisalana, A.veracruz, Yucca gloriosa		
	95	PALMAE : Oreodoxa regie, Areca catechu, Arenga pinnata Elaeis guineensis, Borassus flabellifer, Calamus erectus, C.fasciculatus, C.rotang, C.viminalis		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	96	Caryota urens, Cocos nucifera, Phonex acaulis, P.dactylifera, P.loureirii, P.pusilla, P.sylvestric PANDANACEAE : Pandanus tectorius (Screw pine)		
	97	POACEAE (GRAMINEAE) : Bambusa arundinacae, Bambusa tulda, Bambusa vulgaris		
	98	Dendrocalamus strictus, Dendrocalamus hamiltorii,		
	Note:- The No. and order of species within the family may vary as per the availability of plants			
	04-34 - PRODUCTION OF GUM KARAYA STEM CUTTINGS (Sterculia urens):			
433	04-34-001	Perambulation of Reserved Forest during March to May and collection of Sterculia urens cuttings of size 3" to 4" girth and 2' length and bringing them in moistened polybags to nursery to prevent desiccation .	893.52	100 Nos.
434	04-34-002	Digging of trenches of size 10 Mt. X 1 Mt X 0.30Mt.		
435	04-34-003	Treating the cuttings with 5% bavistin solution and then dipping the basal end in 4000 ppm IBA solution for 30 seconds followed by arranging the cuttings in the trench with top end covered with polytube to avoid transpiration loss.	200.88	100 Nos.
436	04-34-004	Flooding the trenches twice in a week (maximum 2 months)	649.76	100 Nos per time
437	04-34-005	Filling of polybags (10"X12") with potting mixture of sand, tank silt and FYM including cost and conveyance, pounding, sieving and filling in the proportion of 2:2:1 (all materials with a lead of 10 Kms) (total soil mixture is 0.46 cum per 100 bags.)	484.26	100 Nos.
438	04-34-006	Removal and transplanting the rooted cuttings into polybags with the ball of earth and arranging the bags into beds.	105.29	100 Nos.
439	04-34-007	Transportation of bagged cuttings to lath house	163.11	100 Nos.
440	04-34-008	Watering the bags twice a day and weeding (one month)	55.96	100 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
441	04-34-009	Transport of poly bags from lath house to open	163.11	100 Nos.
442	04-34-010	Cost of IBA		
	04-35 - ESTABLISHMENT OF MEDICINAL PLANTS GARDEN:			
	04-36 - CULTIVATION OF GLORIOSA SUPERBA (NABHI):			
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough. (untilled Areas)		
443	04-36-001	Ordinary Soils	3482.69	Ha
444	04-36-002	Hard /Gravelly Soils (50% extra on ordinary soil rate)	5224.83	Ha
445	04-36-003	Black Clayey, Bouldary Soils and Soft Disintegrated Rocks.(50% extra on hard gravelly soil rate)	7838.02	Ha
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough (Tilled Areas)		
446	04-36-004	Ordinary Soils	3482.69	Ha
447	04-36-005	Hard Gravelly Soils, Black clayey and Bouldary soils	4355.31	Ha
448	04-36-006	b) Formation of ridges of 30 cm width and 25cm height with 1.5 Mts in between the ridges.	338.17	100 RM
449	04-36-007	Cost of collection of tubers.		334 Nos./100 RM
450	04-36-008	Planting of tubers on one side of the ridges, horizontally at 30 cms. apart July/ August).	175.84	334 Nos./100 RM
451	04-36-009	Fixing supporting sticks with side branches for plants after attaining 1 foot height including cost and conveyance.	98.71	100
452	04-36-010	Cost of Vermi compost at 1500 kgs per Ha.	13171.63	1 Ha.
453	04-36-011	Strip weeding once in a month in between the plants and ridges.	1296.33	1 Ha.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
454	04-36-012	Flood Irrigation once in 5 days during first month after planting and once in 10 days during next 3 months.	1373.95	1 Ha / one irrigation.
	04-37 - CULTIVATION OF JAVA CITRONELLA AND LEMON GRASS (CYMBOPOGAN FLEXUOSUS):			
		In the grasses viable seeds are not found because of irregularities in meiosis and therefore the species are to be propagated vegetatively only. This is acquired by splitting the clump into slips. The Clump is gently separated into a number of slips and each slip contains 1-3 tillers. These slips are the units of propagation and on planting establish themselves as bushes. Fibrous roots and leaves should be trimmed off the slips before planting.		
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough. (untilled Areas)		
455	04-37-001	Ordinary Soils	3482.69	Ha
456	04-37-002	Hard /Gravelly Soils (50% extra on ordinary soil rate)	5224.83	Ha
457	04-37-003	Black Clayey, Bouldary Soils and Soft Disintegrated Rocks.(50% extra on hard gravelly soil rate)	7838.02	Ha
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough (Tilled Areas)		
458	04-37-004	Ordinary Soils	3482.69	Ha
459	04-37-005	Hard Gravelly Soils, Black clayey and Bouldary soils	4355.31	Ha
460	04-37-006	Planting of slips at 2 X 2 ft espacement about 10 cm. deep	12353.90	1 Ha.
461	04-37-007	Waterings in dry season (February to May)	1373.94	1 Ha / one irrigation.
	04-38 - CULTIVATION OF DAVANAM (ARTEMESIA PALLANS) Raising and Maintenance of nursery (Stock for raising 1 Ha. Plantation):			
462	04-38-001	Cost of seed		1.5 Kgs. / Ha.
463	04-38-002	Formation of beds of size 2m X 1m X 15cm (250 beds)	78.95	1 Bed

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
464	04-38-003	Sterilization of beds with BHC 5% (40 gr./ bed) BHC should be mixed with soil 10 days before sowing.		
465	04-38-004	Sowing of seed (6 gr.) mixed with 10 Kg. sand by broad casting and covering with a thin layer of sand including the cost and conveyance of sand.	11.66	1 Bed
466	04-38-005	Manual watering for 2 months	41.09	1 Bed PM
	04-39 - CULTIVATION OF DAVANAM (ARTEMESIA PALLANS) Raising Year operations:			
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough. (untilled Areas)		
467	04-39-001	Ordinary Soils	3482.69	Ha
468	04-39-002	Hard /Gravelly Soils (50% extra on ordinary soil rate)	5224.83	Ha
469	04-39-003	Black Clayey, Bouldary Soils and Soft Disintegrated Rocks.(50% extra on hard gravelly soil rate)	7838.02	Ha
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough (Tilled Areas)		
470	04-39-004	Ordinary Soils	3482.69	Ha
471	04-39-005	Hard Gravelly Soils, Black clayey and Bouldary soils	4355.31	Ha
472	04-39-006	Planting at an espacement of 7.5 X 15 cm. in to the formed beds of 4 X 4mt. size.	61.85	1 Bed
473	04-39-007	Watering through sprinkler irrigation		
474	04-39-008	Harvesting : the short term crop can be harvested after 4 months from the date of Trans planting.		
475	04-39-009	Note: Ration Crop can be harvested from 2 months after the short term crop.		
		Ration Crop:		
476	04-39-010	Ration crop can be harvested from 2 months after the short term crop.		
477	04-39-011	Cost of vermicompost at 1 cft (0.028 cum/ Bed)	131.72	Bed

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	04-40 - CULTIVATION OF WITHANIA SOMNIFERA (ASWAGANDHA):			
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough. (untilled Areas)		
478	04-40-001	Ordinary Soils	3482.69	Ha
479	04-40-002	Hard /Gravelly Soils (50% extra on ordinary soil rate)	5224.83	Ha
480	04-40-003	Black Clayey, Bouldary Soils and Soft Disintegrated Rocks.(50% extra on hard gravelly soil rate)	7838.02	Ha
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough (Tilled Areas)		
481	04-40-004	Ordinary Soils	3482.69	Ha
482	04-40-005	Hard Gravelly Soils, Black clayey and Bouldary soils	4355.31	Ha
483	04-40-006	Watering for 4 months @ 4 waterings per month	1373.95	Ha/ One watering
484	04-40-007	Harvesting of seed and roots (during Feb-March)		
485	04-40-008	Cost of seed		5 Kg/Ha
486	04-40-009	Formation of beds of size 12mx1.2m raised to a height of 25 cm.	149.84	Bed
487	04-40-010	Pre-treatment of seed, sowing the seed in rows 8 cms apart in primary beds by covering with thin layer of sand.	190.13	Bed
		Watering the beds to keep wet to a depth of atleast 5 cm.		
488	04-40-011	Manually	308.94	Per bed/month
489	04-40-012	With sprinkler sets including shifting pipes etc.	190.13	Per bed/month
490	04-40-013	Cost of Vermicompost and insecticides		Bed
491	04-40-014	Application of Vermicompost, pesticides etc.	6.09	Bed

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Raising of plantation		
492	04-40-015	Planting with an espacement of 60cmx60cm i.e. 27,770 plant/Hec	12764.93	Ha
493	04-40-016	Strip weeding (3 times in the raising year) (September, November, January)	1296.33	Ha/one weeding
	NOTE :			
		Soil requirement all types of soils		
		Propagation Seeds		
		Crop duration 6 months		
		Time of sowing at the fag end of the monsoon (Sep-Oct)		
		Expected yield 50 Kg. Seed & 500 Kg. Roots.		
	04-41 - CULTIVATION OF ALOE VERA (KALABANDA):			
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough. (untilled Areas)		
494	04-41-001	Ordinary Soils	3482.69	Ha
495	04-41-002	Hard /Gravelly Soils (50% extra on ordinary soil rate)	5224.83	Ha
496	04-41-003	Black Clayey, Bouldary Soils and Soft Disintegrated Rocks.(50% extra on hard gravelly soil rate)	7838.02	Ha
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough (Tilled Areas)		
497	04-41-004	Ordinary Soils	3482.69	Ha
498	04-41-005	Hard Gravelly Soils, Black clayey and Bouldary soils	4355.31	Ha
499	04-41-006	Planting at 0.6 x 0.45 m espacement	11601.14	1 Ha.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
500	04-41-007	Watering 4 times during non-rainy days	1249.01	1 Ha. / time
501	04-41-008	Application of vermicompost at 1500 kgs per Ha.	13171.63	Ha
502	04-41-009	Harvesting of leaves		
	04-42 - CULTIVATION OF ABELMOSCHUS MOSCHATUS (KASTURIBENDA/MUSKDANA):			
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough. (untilled Areas)		
503	04-42-001	Ordinary Soils	3482.69	Ha
504	04-42-002	Hard /Gravelly Soils (50% extra on ordinary soil rate)	5224.83	Ha
505	04-42-003	Black Clayey, Bouldary Soils and Soft Disintegrated Rocks.(50% extra on hard gravelly soil rate)	7838.02	Ha
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough (Tilled Areas)		
506	04-42-004	Ordinary Soils	3482.69	Ha
507	04-42-005	Hard Gravelly Soils, Black clayey and Bouldary soils	4355.31	Ha
508	04-42-006	Cost of 3.7 Kgs seed		
509	04-42-007	Sowing of seed by dibbling in the furrows at 30 x 30 cms	2373.32	1 Ha.
510	04-42-008	Weeding once in 2 months (total 3 weedings)	2403.57	1 Ha.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
511	04-42-009	Watering for 2 months @ 4 waterings per month during dry spell	1249.01	1 Ha / time
512	04-42-010	Harvesting of seed		
	Note :			
	-	Soil requirement - All types of soils		
	-	Propagation Seeds		
	-	Crop duration 8 months (can be pollarded after harvesting and yields can be obtained upto 3 years)		
	-	Time of sowing at the fag end of the monsoon (Sep-Oct)		
	-	Expected yield 50 Kg. Seed & 500 Kg. Roots.		
	04-43 - CULTIVATION OF CHLOROPHYTUM BORIVILIANUM (SAFED MUSLI) :			
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough. (untilled Areas)		
513	04-43-001	Ordinary Soils	3482.69	Ha
514	04-43-002	Hard /Gravelly Soils (50% extra on ordinary soil rate)	5224.83	Ha
515	04-43-003	Black Clayey, Bouldary Soils and Soft Disintegrated Rocks.(50% extra on hard gravelly soil rate)	7838.02	Ha
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough (Tilled Areas)		
516	04-43-004	Ordinary Soils	3482.69	Ha
517	04-43-005	Hard Gravelly Soils, Black clayey and Bouldary soils	4355.31	Ha
518	04-43-006	Cost and application of vermicompost at 1500 kgs per Ha	13171.63	Ha
519	04-43-007	Preparation of site (leveling and bunding). Bund height 1 feet-1.5 feet bunds at an espacement of 6 inches gap. Espacement between bund to bund is 3 feet-3.5 feet.	24035.88	1 Ha.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
520	04-43-008	Cost of planting material (2.00 lakhs of tubers weighing approximately 1 ton/ha).	Actuals	
521	04-43-009	Planting of tubers at an espacement of 15 cms on the bunds	48076.39	Ha
522	04-43-010	Mulching with green leaves	59400.42	1 Ha.
523	04-43-011	Weeding and soil working (2 times)	17787.33	1 Ha / time
524	04-43-012	Watering during extreme and prolonged dry spell	1249.01	1 Ha / time
525	04-43-013	Chemicals and pesticides		
526	04-43-014	Uprootal of tubers, cleaning and drying		
	Note :			
		Soil requirement Well drained sandy loams. Does not tolerate water logging at all		
		Propagation Tubers		
		Crop duration 6 months		
		Time of sowing June / July		
		Expected yield 1 Ton / Ha.		
	04-45- PRODUCTION OF ROOTED LEAFY CUTTINGS OF SPECIES LIKE NEEM (AZADIRACHTA INDICA), DALBERGIA SISSOO, GMELINA ARBOREA, GYROCARPUS, WRIGHTEA, COCHLOSPERMUM, ETC.			
527	04-45-001	Collection of branch cuttings (22 cm. long and 1.5 cm thick) from identified trees, surface sterilization with 0.1% of Bavistin for 5 minutes followed by thorough washing in water.	2033.42	1000 cuttings
528	04-45-002	Cleaning of 165 cc. Root trainers and dipping in Dithane M-45	264.38	1000 cuttings
529	04-45-003	Quick dip treatment of the cuttings at the basal end with 1000 pm of IBA for 30 seconds – Filling of tubets with vermiculite and planting the cuttings in tubets and placing them in Mist chamber.	1321.98	1000 cuttings
530	04-45-004	Spraying fungicides, micro/ macro nutrients, removal of dead leaves, algae from the root trainers in the mist chamber, segregating, grading and shifting of the root trainers in the mist chamber for maximum period of 45 days.	1220.94	1000 cuttings
531	04-45-005	Shifting of root trainers with rooted cuttings to hardening chamber (Lath house).	202.84	1000 cuttings
532	04-45-006	Watering and application of fertilizers micro/ macro nutrients in the hardening chamber for a maximum period of 30 days.	999.62	1000 cuttings

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
533	04-45-007	Shifting of root trainers to open and grading.	202.84	1000 cuttings
534	04-45-008	Watering, application of fertilizers micro/ macro nutrients per month.	999.62	1000 cuttings
		DALBERGIA SISSOO/ DALBERGIA SISSOO/		
535	04-45-009	Harvesting of juvenile coppice shoots from the CMA and bringing them to the propagation center in a moist condition, preparing cutting shoots of 10-15 cm long and 15-20 mm thickness with single node and a pair of half cut leaves and disinfecting with of 0.1% Bavistin.	2033.42	1000 cuttings
536	04-45-010	Cleaning 165 CC root trainers and dipping in Dithane M-45.	264.38	1000 Nos
537	04-45-011	Quick dip treatment of the cuttings at the basal end with 1000 ppm IBA for 30 seconds - Filling of tubets with vermiculite and planting the cuttings in tubets and placing the in Mist. Chamber	1321.98	1000 cuttings
538	04-45-012	Spraying fungicides, micro/macro nutrients, removal of dead leaves, algae from the root trainers in the mist chamber, segregating, grading and shifting of the root trainers in the mist chamber for a maximum period of 45 days.	1220.94	1000 cuttings/ month.
539	04-45-013	Shifting of root trainers with rooted cuttings to hardening chamber(Lath house)	202.84	1000 cuttings.
540	04-45-014	Watering and application of Vermicompost micro/macro nutrients in the hardening chamber for a maximum period of 30 days.	999.62	1000 cuttings/ month
541	04-45-015	Shifting of root trainers to open and grading.	202.84	100 Nos
542	04-45-016	Watering, application of Vermicompost micro/macro nutrients per month.	999.62	1000 cuttings/ month
543	04-45-017	Cost of rooting hormone, fungicides, chemicals, Vermicompost vermiculite etc.	Actuals	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	04-46- PRODUCTION OF ROOTED LEAFY CUTTINGS OF GMELINA ARBOREA			
544	04-46-001	Harvesting of juvenile coppice shoots from the CMA and bringing them to the propagation center in a moist condition, preparing cutting shoots of 10-15 cm long and 15-20 mm thickness with single node and a pair of half cut leaves and disinfecting with of 0.1% Bavistin.	2033.42	1000 cuttings
545	04-46-002	Cleaning 165 CC root trainers and dipping in Dithane M-45.	264.38	1000 Nos
546	04-46-003	Quick dip treatment of the cuttings at the basal end with 1000 pm IBA for 30 seconds - Filling of tubets with vermiculite and planting the cuttings in tubets and placing them in Mist. Chamber	1321.98	1000 cuttings
547	04-46-004	Spraying fungicides, micro/macro nutrients, removal of dead leaves, algae from the root trainers in the mist chamber, segregating, grading and shifting of the root trainers in the mist chamber for a maximum period of 45 days.	1220.94	1000 cuttings/month.
548	04-46-005	Shifting of root trainers with rooted cuttings to hardening chamber(Lath house)	202.84	1000 cuttings.
549	04-46-006	Watering and application of Vermicompost micro/macro nutrients in the hardening chamber for a maximum period of 30 days.	999.62	1000 cuttings/month
550	04-46-007	Shifting of root trainers to open and grading.	202.84	100 Nos
551	04-46-008	Watering, application of Vermicompost micro/macro nutrients per month.	999.62	1000 cuttings/month
552	04-46-009	Cost of rooting hormone, fungicides, chemicals, Vermicompost vermiculite etc.	Actuals	
	04-47 - CONSTRUCTION OF POLYGLOBULE:			
553	04-47-001	Digging of trenches of size 1.5 X 1 X 0.3 Mt.		0.9 CMT earthwork
554	04-47-002	Laying 400 gauge polythene sheet duly covering the sides in the trench with a thin layer of sand on the sheet.	As per actuals	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
555	04-47-003	Filling up to 10 cm height with 40mm metal (Bottom layer) on the polythene sheet.		0.15 CMT
556	04-47-004	Filling with 10 mm size gravel up to 10 cm. height above the metal (middle layer).		0.15 CMT
557	04-47-005	Filling with sand up to 10 cm height above the gravel (top layer).		0.15 CMT
558	04-47-006	Fabrication of conical shaped iron frame of size 1.5 Mt. X 1.00 Mt. X 0.60 Mt. with 6mm thick iron rods.	617.19	1No
559	04-47-007	Stitched Silpauline sheet to cover the iron frame with 2 openings of size 30 X 30 cm. each.	1361.24	1No
	04-48 - Rates for Levying of User Charges :-			
560	04-48-001	Sale of Tissue culture Teak plants excluding cost of root trainers	77.69	Each
561	04-48-002	Sale of grafted seedlings of NTFP species	62.09	Each
562	04-48-003	Sale of grafted seedling of Seethapal	43.50	Each
563	04-48-004	Eucalyptus high yielding clones excluding cost of root trainers	21.81	Each
		Medicinal Plants		
564	04-48-005	1) Holostemma	12.46	Each
565	04-48-006	2) Saptarangini (Celatia Oblonga)	12.46	Each
566	04-48-007	3) Decalepis (Naked Plants)	1.54	Each
567	04-48-008	4) Other Medicinal Plants	9.34	Each
568	04-48-009	Pt. (Pisolithus tinctorius)	2051.66	1 Kg
569	04-48-010	VAM (Vascular Arbuscular Mycorrhiza)	3730.29	1 Ton

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
570	04-48-011	Rhizobium	77.69	1 Kg
		Soil Testing (For each Sample)		
571	04-48-012	1) Nitrogen Content	248.68	Each
572	04-48-013	2) Phosphorous content	839.36	Each
573	04-48-014	3) Potassium Content	248.68	Each
574	04-48-015	4) Micro nutrient (Zn, Fe, Mn, Cu)	2797.75	Each
04-49 - PRODUCTION OF VAM (VASICULAR ARBUSCULAR Mycorrhiza) :-				
575	04-49-001	Excavation of trench with dimensions of 12.5 m x 1.2 m x 0.2 m (2.25 cms)		
576	04-49-002	Flooring and curbing with Kadapa slabs and plastering with Cement Mortar (1 :3)		
577	04-49-003	Collection of Red earth and Sand (1 :1) proportion i.e. 1.125 cum Red earth and 1.125 cum sand (2.25 cum) (Rate based on 01-02-2003)		
		Solarisation of Soil Mixture		
578	04-49-004	i) Formation of conical heap of sand and soil mixture		
579	04-49-005	ii) Digging of peripheral trench with cross section of 0.5 m x 0.15 m around the heap.		
580	04-49-006	iii) Covering the heap with black polythene sheet of 400 gauge and make air tight by filling the peripheral trench with dug out soil after keeping the 1/2 " dia PVC pipe in the heap and plugging of mouth pipe end with cotton. (This continues for a period of 60 days).		
581	04-49-007	iv) Removal of Soil carefully from peripheral trench and keeping it separately. Removal of solarised soil.		
582	04-49-008	Mixing of solarised (Soil + Sand) mixture with VAM (fungi) and filling the bed to a height of 0.15 M in the trench. (Rate based on 01-03-2004).		
583	04-49-009	Sowing the maize seed after pretreatment		
584	04-49-010	Watering the beds for 3 months.		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
585	04-49-011	Cutting and removal of maize shoot portion. Thorough mixing of roots of maize with soil mixture and filling into air-tight bags.		
586	04-49-012	Cost of bags for filling and cost of black polythene sheet 400 gauge.		
587	04-57-001	Shifting of sieved Red earth and Vermicompost on head loads from the sieving points to work shed for preparation of soil mixture for filling bags for Tissue Culture Teak Plants.	75.17	1000 bags
588	04-57-002	Shifting of half filled 4"x7" size bags from work shed to phyto-sanitary area in a Lathe house environment and arranging them in beds for environment and arranging them in beds for transplanting Tissue Culture Plants.	143.43	1000 bags
589	04-57-003	Watering the T.C. Plants under shade for the First (60) days initial (30) days shifting from lathe house under tree by sprinkle water manually and continuously to maintain humidity and low temperature.	321.55	1000 bags per month.
04-58 - Production of Mitragnyana parvifolia rooted cuttings :-				
590	04-58-001	Clearing the 210 CC Root trainers in 100 Nos.	288.99	100 Nos.
591	04-58-002	Collection of scion material, harvesting in 1000 Nos.	2274.67	1000 Nos.
592	04-58-003	Spraying fungicides, Micro/Macro nutrients.	1734.08	1000 Nos.
593	04-58-004	Shifting of root trainers to lath house	288.99	1000 Nos.
594	04-58-005	Shifting of root trainers to open place.	288.99	1000 Nos.
595	04-58-006	Watering, application of fertilizers (3 Months)	3468.18	1000 Nos.
596	04-58-007	Cost of vermiculate 65 Kgs @ 9.07 per Kg.	847.35	1000 Nos.
597	04-58-008	Cost of rooting Hormone	189.03	1000 Nos.
598	04-58-009	Cost of Micro/Macro nutrients	120.58	1000 Nos.
04-59 - Production of Gmelina arborea rooted cuttings :-				
599	04-59-001	Clearing the 210 CC root trainers in 1000 Nos.	288.99	1000 Nos.
600	04-59-002	Harvesting / collection of Junemile coppice in 1000 Nos.	2293.39	1000 Nos.
601	04-59-003	Spraying fungicides, Micro/Macro nutrients.	1734.08	1000 Nos.
602	04-59-004	Shifting of root trainers to lath house	288.99	1000 Nos.
603	04-59-005	Shifting of root trainers to open place.	288.99	1000 Nos.
604	04-59-006	Watering, application of fertilizers (3 Months)	3468.18	1000 Nos.
605	04-59-007	Cost of vermiculate 40 Kgs @ 9.07 per Kg.	847.35	1000 Nos.
606	04-59-008	Cost of rooting Hormone	189.03	1000 Nos.
607	04-59-009	Cost of Micro/Macro nutrients	120.58	1000 Nos.



CHAPTER - V MISCELLANEOUS ITEMS

05 - MISCELLANEOUS ITEMS

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	7	5
	05-01	Soil & Moisture Conservation Measures		
1	05-01-001	Stone terracing/bunding	As per CSSR	
2	05-01-002	Const. Of rock fill dams with a maximum lead of 0.5Km	As per CSSR	
	05-02	Soil & Moisture Conservation Measures		
3	05-02-001	Soil working cum weeding (0.50 M radius and 15 cm depth) in Natural regeneration areas.	7.04	Per plant
		Digging of water harvesting Mini trench of size (1.3x0.45x0.3M) and heaping dug soil in Semi-lunar shape 0.20 M away from trench on lower side of trench to young seedlings / saplings / young poles in Natural forest.		
4	05-02-002	During rainy season	27.45	Each
5	05-02-003	During non rainy season	39.58	Each
6	05-02-004	Excavation of CCT with 1.5 M SEPTA AT EVERY 20 M ALONG CONTOUR LINE OF 1.2 M TOP, 1M DEPTH, 0.80 M BOTTOM WIDTH BY MACHINE.	CSSR	RMT
7	05-02-005	Digging peripheral trench around the plantations.	EFS&T G.O	
8	05-02-006	Digging "_/" shaped continuous contour trenches of different sizes at contour interval of 10 mts to 20 mts in the areas having 10% to 20% slopes, not exceeding 900 RM per hectare.	EFS&T G.O	
9	05-02-007	Digging of elephant proof trench of size 2.50 mt width top 1.5mts bottom and 2 mts width	CSSR	1 cum
		Cost of Display boards as per specifications vide Prl.CCF circular No.3/2003/U1.		
10	05-02-008	(i) 90 Cms x 60 cms.	As per actuals	
11	05-02-009	(ii) 120 cms x 90 cms.	As per actuals	
12	05-02-010	(iii) 180 cms x 120 cms.	As per actuals	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
13	05-03-001	Brush wood fencing around the planting 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 1.5m and fencing materials	25.31	Rmt
14	05-03-002	Maintenance of brushwood fencing	9.00	Rmt
	05-04	FENCING WITH BARBED WIRE:		
		Barbed wise fencing 5 stands monolith upto 5 mtrs apart per 20 mtrs length/ 3 mtrs apart per 20 mtrs length		
15	05-04-001	Cost of granite monoliths size 1.8 x 0.23 x 0.10	206.29	Each
		Transport of stone monoliths:		
16	05-04-002	(a) Up to 5 km.	14.29	Each
17	05-04-003	(c) 5 to 15 kms per K.M.	4.71	Each/ Km
18	05-04-004	(d) 15 kms and above	2.86	Each/ Km
19	05-04-005	Distribution of stone pillars.	15.24	Each
20	05-04-006	Fixing of monoliths including digging of pits.	12.44	Each
21	05-04-007	Stretching of barbed wire 5 strands.	305.14	20 Rmt
22	05-04-020	Repair to barbed wire fencing yearly once, 5 strands.	22.50	20 Rmt
23	05-04-023	Removing barbed wire from old plantations rolling the wire into bundles for re-utilization elsewhere 5 strands.	30.47	20 Rmt
	05-06	PLANTING AGAVE SUCKERS :		
24	05-06-001	Dressing of Agave suckers i.e., pricking from beds, cleaning dead leaves & roots.	7.38	100 Nos.
		Transport of suckers :		
25	05-06-002	(a) Up to 10 kms.	13.23	100 Nos.
26	05-06-003	(b) Above 10 km and up to 25 kms.	24.73	100 Nos.
27	05-06-004	(c) Above 25 kms and up to 50 kms.	32.93	100 Nos.
28	05-06-005	(d) Above 50 kms (with prior approval of Chief Conservator of Forests/Conservator of Forests) by lorries.		
29	05-06-006	Internal transport.	13.13	100 Nos.
30	05-06-007	Planting	36.47	100 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	05-07	DIBBLING OF PALMYRAH NUTS:		
31	05-07-001	Cost of nuts.	259.80	100 Nos.
32	05-07-004	For pretreatment of Palmyrah nuts including dugout pit and covered with fresh cow dung etc. in addition to dibbling charges.	67.54	100 Nos.
33	05-07-005	Dibbling palmyrah nuts on the peripheral trench including transport and scooping	103.14	100 Nos
34	05-07-006	Scooping & Dibbling of mixture of forestry species seed: Scooping and dibbling of mixture of forestry species seed such as Karaka, Tellamaddi, Kunkudu, Nallamaddi, Gummadi Teak, Nalla Thumma etc. in the degraded forest area	167.89	Kg
	05-09	IMPROVEMENT TO NATURAL FORESTS INCLUDING TENDING AND CULTURAL OPERATIONS :		
		Cutting high stumps, coppicing, singling of multiple shoots, climber cutting, cutting back damaged trees, etc.,		
35	05-09-002	(a) 100 to 250 stems/stumps per ha.	1454.98	Ha.
36	05-09-003	(b) 250 to 500 stems/stumps per ha.	2619.46	Ha.
37	05-09-004	(c) 500 to 1500 stems/stumps per ha. (with prior permission of DFO)	3547.07	Ha.
38	05-09-005	(d) Above 1500 stems/ stumps per ha. (with prior permission of DFO).	7764.49	Ha.
39	05-09-006	For cutting high stumps, coppicing, singling, multiple shoot climber cutting, cutting back damaged trees having thorny growth in less than 0.5 density areas and more than 0.5 density areas. (with the prior permission of DFO).	6752.84	Ha
40	05-09-013	Uprootal of boda grass (with prior approval of D.F.O)	5962.22	Ha
41	05-09-014	Removal of boda grass with a radius of 2mts and soil working with a radius of 0.5mts and to a depth of 0.15 mts for existing sapling of Red sanders for 100 plants / Ha.	25.86	Each
		Note: The area should be demarcated where 1 to 2 mts height sapling about 100 Nos/Ha are available with location on map and treatment map is to be prepared and sanctioned by the D.F.O.		
42	05-09-015	Soil working / loosening around the Bamboo clump to a width of 50 cm in a strip and a depth of 10 - 15 cm in natural forests	51.610 6.104/RMT	Each clump
	05-10	ASSISTANCE:		
43	05-10-001	Computer Operator/Data Entry Operator (Personnel getting on outsourcing through agency as per guidelines issued vide G.O.Ms.No.151, Fin.(HR-I, Plg. & Policy) Dept, Dt.08.08.2016)	As per G.O.Ms.No.151, Fin.(HR-I, Plg. & Policy) Dept, Dt.08.08.2016)	

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
44	05-10-002	NTM/ (Non-Technical Maistry)/ Tech. Asst. with SSC and above qualification in Range Office/Sub-Division Office/Division Office/Circle Office.	9856.43	P.M.
45	05-10-003	Skilled person with I.T.I. Qualification on contract./ Tech. Asst with ITI civil in Range/ Div./ Circle	11577.47	P.M.
46	05-10-004	Skilled person with LCE, LME & LEE on contract.	12880.69	P.M.
47	05-10-005	Skilled person with B-Tech/BE (Civil) / Mechanical / Electrical on contract.	20598.27	P.M.
48	05-10-006	Driver to drive light vehicle (with the prior permission of the Chief Conservator of Forests/Conservator of Forests)./ TM 5	As per G.O.Ms.No.151, Fin.(HR-I, Plg. & Policy) Dept, Dt.08.08.2016)	P.M.
49	05-10-007	Night Watchmen for the office (with the prior permission of the Chief Conservator of Forests/Conservator of Forests).	As per District Collector wage rate	Per Day
50	05-10-008	Watch & Ward for every Central Nursery with Mist chamber, maintenance of pump set, equipment, material etc.,	As per District Collector wage rate	Per Day
51	05-10-009	Watch & Ward for other Nurseries for maintenance of pump set, equipment etc.,	As per District Collector wage rate	Per Day
52	05-10-010	Watch & Ward for Plantations/ Block / Bamboo / rehabilitation areas	As per District Collector wage rate	Per Day
53	05-10-011	Watch & Ward for Afforestation along Road margins, other rights of way and canal side.	As per District Collector wage rate	Per Day
54	05-10-012	Watch & Ward for Development /Rehabilitation of community and Govt. waste lands/Tree grooves/Wood lots	As per District Collector wage rate	Per Day
55	05-10-013	Watcher for Technology Dissemination Centers.	As per District Collector wage rate	Per Day
56	05-10-014	Hiring charges of project scientist on contract basis for image processing, analysis and GIS related works	28748.85	Month
57	05-10-015	Night watchmen for RS Depot (prior permission with Chief Conservator of Forests/Conservator of Forests)	As per District Collector wage rate	Per Day

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
58	05-10-016	Watch & Ward for Environmental Education Centre (EEC) (prior permission with Chief Conservator of Forests/Conservator of Forests)	As per District Collector wage rate	Per Day
		Qualification and Experience		
		Educational : The candidate should possess either of the following qualification:- 1) B.Tech / M.Tech in Civil, water resources, RS Geo-informatics, GIS, CS, IT, AI, EC, Environmental Sciences or equivalent or 2) B.Sc / M.Sc. In Geo-sciences, Physics, Electronics, Mathematics, Statistics, Computer Science and IT , Environmental Sciences or equivalent or 3) BCA / MCA or equivalent.		
		Experience: 1) 2 years experience in the field of signal / image processing / GIS (for B.Tech / M.Tech / M.C.A. / M.Sc.) in any image processing and GIS software or 2) 3 years experience in above field for B.Sc and BCA working experience in ERDAS Imagine. Arc GIS and hold GPS , DGPS is desirable.		
59	05-10-017	Wages to Base camp watchers, strike force watchers, protection watchers	Rates should be followed as per PCCF instructions	
	05-11	TRAININGS/WORKSHOPS :		
60	05-11-001	Photography Charges at VSS/Range Level	1911.53	Each training
61	05-11-002	Photography charges at Division / Circle Level	3825.23	Each training
62	05-11-003	Common to trainings at various levels		
63	05-11-004	i. Break fast	57.14	Each/ day
64	05-11-005	ii. Teas & Biscuits	57.14	Each/ day
65	05-11-006	iii. Lunch	114.73	Each/ day
66	05-11-007	iv. Dinner	114.73	Each/ day
		Rates for items (i) to iv of 3 above in Hyderabad and outside the State.		
67	05-11-008	i. Break fast	85.29	Each/ day
68	05-11-009	ii. Teas & Biscuits	85.29	Each/ day
69	05-11-010	iii. Lunch	170.57	Each/ day
70	05-11-011	iv. Dinner	170.57	Each/ day
71	05-11-012	Hire Charges of Shamiana	As per actuals	Per day
72	05-11-013	Hire charges of Public Address System	1915.86	Per day

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Honorarium to Resource persons		
73	05-11-014	a. For a session of 60 Minutes	762.00	Per session
74	05-11-015	b. For a session of 90 Minutes	1147.34	
75	05-11-016	Conveyance charges for Resource persons	As per actuals	Person
76	05-11-017	Conveyance charges for VSS members / Staff	As per actuals	Person
77	05-11-018	Hiring of Audio Visual aids		
78	05-11-019	Operator for Electronic Equipment & Audio Visual Aids (1 Person)	305.23	Day
79	05-11-020	Cost of Scribbling pad	57.14	Each
80	05-11-021	Cost of pen	57.14	Each
81	05-11-022	Preparation of Banners (2 Nos.)	1913.70	Per Training
82	05-11-023	Cost of Folder / Bag		Person
83	05-11-024	For providing accommodation (Lodging) charges for night halt with in the state of AP during trips to VSS, NGO & Staff.	158.01	Person/day
84	05-11-025	For providing accommodation (Lodging) charges for night halt outside the state of AP during trips to VSS, NGO & Staff.	251.09	Person/day
85	05-11-026	Food (boarding) charges during exposure visit within the state	378.83	Person/state
	05-12	FOREST PROTECTION WORKS:		
86	05-12-001	Boarding charges for Producing accused, witness, panchayathadars in the Court in connection with offence including conveyance charges.	627.80	Person/day
87	05-12-002	Providing food to the special protection party stationed at GBM and other vulnerable areas (with prior permission of DFO).	251.10	Person/day
	05-13	WILD LIFE		
88	05-13-001	Preparation of site for fodder enclosures: Cutting and uprootal of unwanted weeds, Boda grass and climbers, inclusive of singling of coppice growth and uprootal of old stumps duly retaining NTFP seedlings and dragging.	12254.62	Ha
89	05-13-002	Country ploughing before sowing the Hamata seed for development of fodder enclosure.	4232.42	Ha
90	05-13-003	Broad casting of grass seed for development of fodder	77.33	Ha

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
91	05-13-004	Developing Natural Grass lands for Herbivores by de-weeding of unwanted weeds like lantana camera. Hypits sanveloens, Parthenium etc.,		
		De-Weeding		
92	05-13-005	Dense weed growth.	10175.27	Ha
93	05-13-006	Medium weed growth	5718.82	Ha
94	05-13-007	Light weed growth	4901.83	Ha
		Formation of view lines by cutting or unwanted weeds, rank growth, climbers including singling of coppice growth, dragging & heaping cut material in open areas & burning the cut material without causing damage to the existing flora and fauna.		
95	05-13-008	In areas with dense scrub and thorns	111.87	100 sqmt
96	05-13-009	In areas with dense scrub and no thorns	87.42	100 sqmt
97	05-13-010	Ordinary areas	56.43	100 sqmt
		Transport of water through hired vehicle with water tank, pipes and one labour for filling of saucer pits in Nandyal (WL) Division except Rudravaram Range		
99	05-13-011	Slab-I – Upto 5 Km	0.52	Per Litre
100	05-13-012	Slab-II – Beyond 5 Km and upto 10 Km	0.78	Per Litre
101	05-13-013	Slab-III – Beyond 10 Km and upto 20 Km	1.31	Per Litre
		Note:- Beyond 20 Kms distance should be avoided. If required CCF/CF prior approval must be obtained.		
	05-14	Zoo Management		
102	05-14-001	Care of Elephants on monthly basis, through Mahouts on contract basis (two numbers / elephant) - Skilled labour	11603.45	Each mahout per month
103	05-14-002	Maintenance of Animal Enclosures including feeding of animals, cleaning of enclosures, night house and day cage, watch and ward, maintenance of plants and hedges at enclosures on petty contract basis @ one keeper per enclosure - Semi skilled Labour	10329.44	Each keeper per month
104	05-14-003	Services of Veterinary Assistant Surgeon to the animals in the Zoo on contract basis. (with prior approval of Conservator of Forests).		

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
105	05-14-004	Services of Veterinary Assistant to the animals in the Zoo on contract basis. (with prior approval of Conservator of Forests).		
106	05-14-005	Grass slip planting for lawn	58.45	Sqmt
107	05-14-006	Maintenance of lawns and hedges	7.82	Sqmt
108	05-14-007	Watering and weeding to the fodder plots (4 waterings and 4 weedings per month).	13.77	10 sqmt/Mt
109	05-14-007 a	Disposal of Dead Black Bucks, Chital, Chowsingha, Chinkara including cost of conveyance, digging of bury pit and refilling etc.		Per animal
110	05-14-007 b	Disposal of larger Herbivores and Carnivores.		Per animal
	05-15	Operation Black Buck		
111	05-15-001	Capture of blackbucks using light & sound method	1841.20	Per animal
112	05-15-002	Loading & unloading charges for captured animal in vehicle from capture site to Base camp	245.43	Per animal
		Transport of captured animals for translocation		
113	05-15-003	Loading of crate with the animal into the vehicle & tying the box in the vehicle.	122.72	Per crate
114	05-15-004	Unloading the crate at the released site and to carry the box to the releasing site.	122.72	Per crate
115	05-15-005	Loading of empty crate into the vehicle & tying the box in vehicle.	92.00	Per crate
116	05-15-006	Unloading the empty crate at the base camp.	76.65	Per crate
117	05-15-007	Disposal of Dead Black Bucks during implementation of Operation Black Buck (including the cost of transport to Veterinary Hospital for Postmortem, transport to far off places, cost of burning after digging pit of required size.	397.23	1 No
118	05-15-008	Wages to labour for accompany vehicle for supplying water & to give feed etc. to animal - One person.	As per District Collector wage rate	Per Day
		Watch & Ward		
119	05-15-009	Watch & Ward and to provide water & feed to captured animal at Base camp - 2 persons	As per District Collector wage rate	Per Day
120	05-15-010	Watch & Ward of material & equipment at store point - One person in a day.	As per District Collector wage rate	Per Day
121	05-15-011	Watch & Ward to lure crop & Kraal - 3 Persons on shift system in a day.	As per District Collector wage rate	Per Day

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		Erection of Kraal		
122	05-15-012	Internal transport of M.S. pipes to the pits (of 2.44 mts Length and 40 mm inner dia)	2.87	Per 1 No.
123	05-15-013	Fixing of M.S. pipes in the pits including packing with stones and earth (of 2.44 mts Length and 40 mm inner dia)	8.87	Per 1 No.
124	05-15-014	Internal transport of Chain link mesh (of size 25 mts x 7 feet height)	70.54	Per 1 No.
125	05-15-015	Opening the Rolls, stretching and fixing chain link mesh to the pipes including tying with M.S. wire (of size 25 mts x 7 feet height)	222.46	Per 1 No.
126	05-15-016	Internal transport of Bomas (25 mts length, 2 mts width.)	56.22	Per 1 No.
127	05-15-017	Opening, stretching and fixing Bomas to the Pipes including tying with ropes and M.S. wire (25 mts length, 2 mts. Width)	88.20	Per 1 No.
128	05-15-018	Removal of Bomas and Repacking after use (25 mts length, 2 mts. Width)	52.87	Per 1 No.
129	05-15-019	Removal of Chain link mesh and rolling after use (of size 25 mts x 7 feet height)	118.56	Per 1 No.
130	05-15-020	Removal of M.S. Pipes and stacking after use. (of size 2.44 mts length and 40 mm inner dia)	5.30	Per 1 No.
131	05-16-002	Amenities to the local helpers in base camps.	92.66	per person / day
	05-17	SURVEY AND DEMARCATION:		
132	05-17-001	Construction of cairn with rough stone available at 1.0mx1.0m at bottom 0.50m at top end 1.0m height including white washing and central stone piece of 1.8m., in height and 10x15cm in section with letter R.F. and arrow on the outside (Prl.C.C.F.Circular)	As per CSSR	
133	05-17-003	Re-construction of fallen cairns	As per CSSR	
134	05-17-004	White washing and tar numbering	As per CSSR	
		NB: When the constructions of cairn with cement mortar, proper curing shall be ensured by the DFO		
135	05-17-005	Cutting coupe line 3mts. Wide	892.59	Km
136	05-17-007	Cutting old strip line 2mts., wide	439.42	Km
137	05-17-008	Marking of standards or reserves including cost of material	84.39	100 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
		<u>Demarcation of Coupes</u>		
		Demarcation with coupe stones of 1Mx0.50Mx0.10M chiseling letters 0.5" deep and planting the stones at coupe corners including white washing and tar numbering etc., complete With a lead of		
138	05-17-009	upto 15 kms	166.01	Each
139	05-17-010	Above 15 kms to 25kms	184.03	Each
		<u>Demarcation of sanctuary boundary clearing of scrub growth including Burning.</u>		
140	05-17-011	To a width of 10Mts	271.44	20 Rmt
141	05-17-012	To a width of 5 Mts	135.66	20 Rmt
		Clearing the division boundary line 15 m wide		
142	05-17-013	Scrub areas	3666.23	Km
143	05-17-014	Densely grown areas	7346.06	Km
144	05-17-015	Re-clearing the division boundary line 15 m wide		
145	05-17-016	Scrub areas	1833.11	Km
146	05-17-017	Densely grown areas	3666.23	Km
147	05-17-018	Clearing range boundary line 10m wide		
148	05-17-019	Scrub areas	2454.26	Km
149	05-17-020	Densely grown areas	4901.83	Km
150	05-17-021	Re-clearing range boundary line 10m wide		
151	05-17-022	Scrub areas	1225.42	Km
152	05-17-023	Densely grown areas	2450.90	Km
153	05-17-024	Re-clearing district boundary line 30m		
154	05-17-025	Scrub areas	3666.23	Km
155	05-17-026	Densely grown areas	7346.06	Km
156	05-17-027	Clearing block boundary line 5.5m wide		
157	05-17-028	Scrub areas	1357.08	Km
158	05-17-029	Densely grown areas	2710.79	Km
159	05-17-030	Re-clearing block boundary line 5.5m wide		
160	05-17-031	Scrub areas	681.86	Km
161	05-17-032	Densely grown areas	1357.08	Km
		NB: The specifications of cleanrence of boundaries shall be in accordance with the prescriptions in the concerned management plans.		
162	05-17-033	Aligning and marking with guide pits	184.10	100 Nos.

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
	05-20	THINNING OF OLD TEAK & RED SANDER PLANTATIONS - Mechanical cum silvi-cultural thinning		
163	05-20-001	1 mechanical thinning (7th year)	1546.20	Ha
164	05-20-002	Cutting back shrubs and rank herbaceous growth or miscellaneous growth and bamboos interfering with sapling growth of desired species, cutting back of malformed or deceased individual species, singling of coppice shoot including climber cutting.	3018.03	Ha
		mechanical thinning (15th year)		
165	05-20-003	2nd mechanical thinning (15th year)	1806.07	Ha
166	05-20-004	Cutting back shrubs and rank growth or miscellaneous growth and bamboos interfering with sapling growth of desired species cutting back of malformed or deceased individual species, singling of coppice shoot including climber cutting. When poles of exploit	3018.03	Ha
167	05-20-005	Cutting and uprootal of unwanted weed and climber including singling of coppice Growth and uprootal of old stumps.	17598.78	Ha
	05-21	TENDING OPERTATIONS		
		5th year tending operations in worked coupes.		
168	05-21-001	Moderate growth.	1032.98	Ha
169	05-21-002	Dense growth.	1546.20	Ha
		Tending operations in old coupes coppice shoots below 3 years to 5 years old.		
170	05-21-003	Moderate growth.	1032.98	Ha
171	05-21-004	Dense growth.	1546.20	Ha
172	05-21-005	Formation of mound around the clump by digging of trench (0.28 cum earth work)	42.95	each
173	05-21-006	Decongestion of clumps by cutting and removing green and dry high cuts.	88.48	Each
		ADDITIONAL ITEMS		
		PLANTING ITEMS		
		Excavating of 1.00 X 0.50 X 0.25 M trench with a central pit of 30 cube cm size		
174	05-21-017	i) Ordinary soils	2288.23	100 nos
175	05-21-018	ii) Hard gravely soils	2351.05	100 nos

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
176	05-21-023	Digging of Pits other than sizes in existing FSR in Loamy Soils like Red earth, Black cotton soils.	Proportionate rate of nearest pit and size existing in FSR	
177	05-21-024	Trench cum pit in Loamy soils like Red earth, Black Cotton soils.	-do-	
178	05-21-025	Peripheral trench of size 0.30Mx0.30M including formation of mound(0.09 cum)	RSSR	
179	05-21-026	For digging of trenches i.e. peripheral - Continuous contour or staggered trenches of any dimension By Manually -	RSSR	
		FIRE TRACING OPERATIONS IN NATURAL FORESTS.		
180	05-21-027	Creation of new fire lines in Natural Forests. (3 mts wide)	5.55	RMT
181	05-21-027	Maintenance of existing fire lines in Natural Forests	1.07	1 Sqmt.
	05-22 :	INVENTORY WORKS:		
182	05-22-001	Navigating to end Fixing the Sample Point by forest officials and planting locally available stone and painting etc., and filling of forms.	535.21	Per point
183	05-22-002	Remuneration of Asst. Crew Leaders for assisting the Crew leader and filling of forms.	501.76	Per point
184	05-22-003	Remuneration for Inventory Assistants i.e., engaging unskilled labours as per Collector's rate for assisting the crew leader and assistant crew leaders.	As per collectors rate for 2 unskilled labours	Per point
185	05-22-004	Transport charges including conveyance facility for the crew members by hiring a private vehicle.	564.48	Per point
186	05-22-005	Misc. charges such as procurement of paint, battery cells, stationary, soil sample collection and preservation, daily messenger charges etc.,	439.03	Per point
		Note: Total mount should not be exceeding Rs.1000/- per point as per proceedings of the CF, Ananthapur, & Chairman for Zone-IV FSR Committee, Rc.No.4801/2006-TO, Dt.25-11-2006.		
	05-23 :	TREES OUTSIDE THE FORESTS (TOF)		
187	05-23-001	For Natural Forests:- Having sampling intensity 0.01% and size sample plot 0.1 Ha. adopted for pre-inventory and final inventory. The information has to be collected in the plot approach/description and plot enumeration form	1309.59	Plot

S. No	FSR Code	Description of work with detailed specifications	Rate approved for 2017-18 Rs/Ps	Per/Unit
1	2	3	4	5
188	05-23-002	For Block Plantations:- Having sampling intensity 0.01% and size sample plot 0.10 Ha. adopted for pre-inventory and final inventory. The information has to be collected in the plot approach/description and plot enumeration form	1309.59	Plot
189	05-23-003	For Linear Plantations:- The FSI method of using 125 Mts length into 10 mts width sample plot is ideal, with 1% sampling intensity. The information has to be collected in the plot / approach/description and plot enumeration forms	1309.59	Plot
190	05-23-004	For Scattered Trees:- The sample size to be adopted in 3 Ha. The information has to be collected in the plot approached / description and plot enumeration forms	1309.59	Plot
		Habitation Rural:	468.30	Plot
191	05-23-005	A) Stratification based on the geographical areas, for the class of areas between 5 to 3 Km	12165.60	Plot
192	05-23-006	B) Stratification based on the geographical areas, for the class of areas between 3 to 1 Km	7335.13	Plot
193	05-23-007	C) Stratification based on the geographical areas, for the class of areas between 1 Km to 50 Ha.	3935.91	Plot
194	05-23-008	Habitation Urban (segment):- Areas based on stratification will be adopted	1309.59	Plot


 Chief Conservator of Forests,
 Kurnool Circle, Kurnool.


 29/4/17

ANNEXURE – I

PROCEDURE FOR ENUMERATION FOR REDSANDERS TREES

Regarding the requirement of plates to be fixed to the trees and other articles required, it is decided and the specifications of the required material are fixed as below

- **Number plate**

Size : 3"x2"

Gauge : 24

Sheets should be galvanized (Rust Free)

Nail : length 2" with proper head

- **Number marking should be with digits with impression on the plate**
- **Fixing of the number plate to the Red Sanders tree should be at the height above 6' from the ground level.**
- **Enumeration by numbering should be done for the tree having 45 cm GBH and above.**

Numbering of trees shall be systematic and for the purpose code numbers are to be given to identify the label for the Division, Range and Beat. There are 9 divisions where Red sanders are present and those divisions are codified placing them alphabetically. First four digits are allotted for identification of Division, Range and Beat. Since there are only 9 divisions having Red sanders first digit is for division. The division wise codes to be placed at first digit are given below:

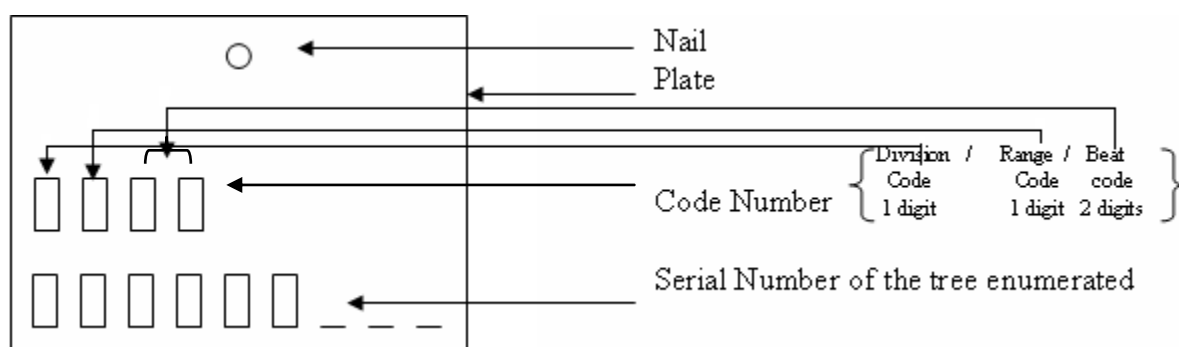
Name of the Division	Code
Chittoor East	1
Chittoor West	2
Giddalur	3
Kadapa	4
Nandyal	5
Nellore	6
Proddatur	7
Rajampet	8
Tirupati WL	9

Since there are less than 9 Ranges in the division a single digit placed at second place is given for identification of Range. That means in the code second digit stands for Range. The Conservator of Forests

concerned will give the codes to the Ranges preferably placing the names of Ranges division wise alphabetically.

Third and fourth digit of the code is for name of the beat. Range wise beats are to be arranged alphabetically and given two digit code for his beat by the concerned Divisional Forest Officer.

The identification four digit code will be written in the first line and the second line below the first line will be for Sl.No. of the Red sander tree enumerated. In every beat number of tree will start from 1 to Since every number plate have a code number, for Division, for Range and for Beat, every complete number (including code number) should locate the plant in particular beat. The placing of codes on the tin plate will be as follows :



The cost of the material with the above specifications will be as per the actuals duly following the financial procedures invogue for procurement of above materials.

For Anantapur circle as per decision of FSR Committee on 12.10.2006 single digit code for Ranges in Chittoor West Division is given below.

Name of Division	Code No.	Name of the Range	Code No.
Chittoor West Division	2	Chittoor West	1
		Kuppam	2
		Madanapalle	3
		Palamaner	4
		Punganur	5



**GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**

Rural Development – Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) – Revision of Rural Standard Schedule of Rates, 2016-2017 (RSSR 2016-2017) – Further Orders – Issued.

PANCHAYAT RAJ AND RURAL DEVELOPMENT (RD.II) DEPARTMENT

G.O.MS.No. 30

Dated: 04-04-2016

Read the following:

- 1) G.O.Ms.No.48, P.R.& R.D. (RD.II) Department, Dated: 28-4-2015.
- 2) G.O.Ms.No.8, P.R.& R.D. (RD.II) Department, Dated: 22-01-2016.
- 3) Government of India, Lr.No.J-11011/1/2009-MGNREGA (Pt), Dt.29.03.2016.
- 4) From the Commissioner, Panchayat Raj & Rural Development, Note No.743/EGS/SPM (T)/2016, Dated:31.03.2016.

<<0>>

ORDER:

The Government vide the G.Os in reference first and second read above have issued orders enhancing the wages for unskilled manual works under MGNREGS from Rs.169/- to Rs.180/- per day with effect from 01.04.2015 duly revising the Rural Standard Scheduled of Rates (RSSR) for the Financial Year 2015-2016 in consonance with the rates fixed for different categories of works taken up under MGNREGS.

2. The Commissioner, Panchayat Raj & Rural Development, AP, Hyderabad, Vide reference fourth read above has stated that, Government of India vide their letter in reference third read above have notified the wage work as Rs.194/- for the year 2016-2017 which will be applicable from 1-04-2016. He has therefore, requested the Government, that in view of enhancement of wage rate for unskilled wage work by Government of India from 180/- to 194/- for the year 2016-2017, Government have also to revise the wage rates issued in references first and second read above.

3. Government after careful examination of the matter, hereby modify certain RSSR rates mentioned in the G.O second read above as detailed in the Annexure to this Order.

4. This order shall comes into effect from 01.04.2016

5. The Commissioner, Panchayat Raj and Rural Development shall take necessary further action in the matter accordingly.

6. The copy of the GO is available on website www.rd.ap.gov.in

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

**DINESH KUMAR
SPECIAL CHIEF SECRETARY TO GOVERNMENT (RD)**

To

The Commissioner, PR & RD, AP., Hyderabad with a request to communicate to all the concerned officials

All the District Collectors and District Programme Coordinators, NREGS

All the Project Directors, DWMA & Addl. District Programme Coordinators, NREGS

[P.T.O.]

All the Project Directors, DRDAs and Additional District Programme Coordinators, NREGS

All the Chief Executive Officers, ZPs and Additional District Programme Coordinators, NREGS.

The Project Officer, ITDA and Additional District Programme Coordinators of Parvathipuram (Vizianagarm), Srisailam (Kurnool), Paderu (Visakhapatnam), Seethampeta (Srikakulam), Rampachodavaram (East Godavari) & KR Puram (West Godavari)

Copy to:

The Prl. Secretary, Finance (W&P) Dept., Govt. of A.P., Hyderabad.

The Prl. Secretary, PR., Govt. of A.P., Hyderabad.

The Prl. Secretary, Irrigation (I&CAD) of A.P., Hyderabad.

The Prl. Secretary, Tribal Welfare Dept., Govt. of A.P., Hyderabad.

The Secretary, R&B, Govt. of A.P., Hyderabad

The Prl. Secretary, EFS & T Dept., Govt. of A.P., Hyderabad

The Prl. Chief Conservator of Forests, Govt. of AP., Hyderabad

The Commissioner Disaster Management and EO Secy. to Govt.

The Commissioner, AMR-APARD, Rajendranagar, Hyderabad

The Commissioner, Tribal Welfare, Hyderabad

The Chairman and Members of Technical Committee.

The Engineer-in-Chief, Panchayat Raj Dept.

The Engineer-in-Chief, Irrigation Dept.

The Chief Engineer, Tribal Welfare

The Special Officers of NREGS-AP Districts

The Secretary, APREG Council, Hyderabad.

The Superintending Engineers of Panchayat Raj of NREGS -AP Districts.

The Superintending Engineers of Irrigation Dept., of NREGS -AP Districts.

PS to Hon'ble Minister (PR, RWS & NREGS)

PS to Hon'ble Minister (RD, Housing & Sanitation)

PS to Spl. Chief Secretary to Government (RD)

PR&RD (Gent) Dept., (2 copies)

SF/SC

//FORWARDED :: BY ORDER//

SECTION OFFICER

ANNEXURE to G.O.Ms.No.30, PR&RD (RD-II) Department, dated :04/04/2016

Sl. No.	Category No.	Item of Work	Rates approved in RSSR (GO.Ms.No. 48 PR&RD (RD-II)Dept., dated 28.04.2015 & GO.Ms.No. 8 PR&RD (RD-II)Dept., dated22.01.2016)(in Rs.)	Rates now approved to ensure mini. Wage of Rs.194.0/-(in Rs.)	Remarks
1		Unskilled Labour	180.0/ per day	194.0/ per day	-
2	Bush clearance				
	a	Light shrub	4.46/sqm	4.81/sqm	-
	b	Medium and Dense Shrub /Besharam/ Rubber plants	5.64/sqm	6.08/sqm	-
	c	Thin stemmed Juliflora (stem with periphery upto 150 cms)/ thick shrub	11.21/sqm	12.08/sqm	Thick shrub is relevant in tribal areas only
	d	Thick stemmed Juliflora (stem with periphery more than 150 cms	16.80/sqm	18.10/sqm	-
3	Removal of stumps				
	a	Removal of stumps of girth 30cms to 99cms (small stumps)	130.00 per each	140.10 per each	-
	b	Removal of stumps of girth 100cms to 199cms (medium stumps)	146.23 per each	157.59 per each	-
	c	Removal of stumps of girth 200cms to 299 cms (large stumps)	190.08 per each	204.85 per each	-
	d	Removal of stumps of girth 300cms to 399 cms (large stumps)	248.59 per each	267.91 per each	-
	e	Removal of stumps of girth 400cms to 499 cms (large stumps)	321.72 per each	346.72 per each	-
	f	Removal of stumps of girth 500cms to 599 cms (large stumps)	394.81 per each	425.48 per each	-
4		Removal of water hycinth up to 30cms thick	5.55 /Sqm	5.98 /Sqm	-
5		Removal of water hycinth of more than 30cms thick	7.59 /Sqm	8.17 /Sqm	-

6	Earth work Excavation and depositing on bank with initial lead of 10 mt and initial lift of 2.0 mts in loamy and clayey soils like black cotton soils, red earth and chowdu soils (Ordinary soils)				
	a	Category-I (All works other than trenches, ponds & plantation pitting)	106/ Cum	114.23/ Cum	-
	b	Category II (Trench Cutting works)	180/ Cum	194/ Cum	-
	c	Category III (ponds) up to 1.00 m depth	180/ Cum	194/ Cum	-
	d	Category III (ponds) beyond 1.00 m depth	200/ Cum	215.54/ Cum	-
	e	Category IV (Pitting works)	152.97/ Cum	164.85/ Cum	-
	f	Category V (Desilting works)	106/ Cum	114.23/ Cum	-
7	Earth work Excavation and depositing on bank with initial lead of 10 mt and initial lift of 2.0 mts in Hard soils like gravel, moram., (Hard soils)				
	a	Category-I (All works other than trenches, ponds & plantation pitting)	180/ Cum	194/ Cum	-
	b	Category II (Trench Cutting works)	202.47/ Cum	218.20/ Cum	-
	c	Category III (ponds) up to 1.00 m depth	200/ Cum	215.54/ Cum	-
	d	Category III (ponds) beyond 1.00 m depth	220/ Cum	237.09/ Cum	-
	e	Category IV (Pitting works)	180/ Cum	194 / Cum	-
8	Earth work Excavation and depositing on bank with initial lead of 10 mt and initial lift of 2.0 mts in soils with mixture of gravel, pebble and soft disintegrated rock like shales ordinary gravel, stoney earth and earth mixed with fair sized boulders (Stoney earth)				
	a	Category-I (All works other than trenches, ponds & plantation pitting)	190/ Cum	204.76/ Cum	-
	b	Category II (Trench Cutting works)	198/ Cum	213.38/ Cum	-
	c	Category III (ponds) up to 1.00 m depth	200/ Cum	215.54/ Cum	-
	d	Category III (ponds) beyond 1.00 m depth	220/ Cum	237.09/ Cum	-
	e	Category IV (Pitting works)	190/ Cum	204.76/ Cum	-
9	Earth work Excavation and depositing on bank with initial lead of 10 mt and initial lift of 2.0 mts in soft disintegrated rock soils (removable by pick axes and crow bars) (SDR Soils)				
	a	Category-I (All works other than trenches, ponds & plantation pitting)	202.47/ Cum	218.20/ Cum	-
	b	Category II (Trench Cutting works)	240/ Cum	258.64/ Cum	-

	c	Category III (ponds) up to 1.00 m depth	240/ Cum	258.64/ Cum	-
	d	Category III (ponds) beyond 1.00 m depth	260/ Cum	280.20/ Cum	-
10	Earth work Excavation and depositing on bank with initial lead of 10 mt and initial lift of 2.0 mts in silt in canals, channels and drains				
	a	Feeder/Field Channel and Irrigation drains upto 1.0 mt depth	78.71/ Cum	84.82/ Cum	-
	b	Renovation of spring channels			
11	Earth work Excavation and depositing on bank with initial lead of 10 mt and initial lift of 2.0 mts in sandy soils or loose soils/wet sand not under water				
	a	Land levelling for land development and Flood control Project	59.47/ Cum	64.09/ Cum	-
12	a	Benching with 0.45mx 0.45m size and 0.60mx0.30m size	26.96/ Rmt	29.05/ Rmt	-
13	Carrying of earth / gravel by head loads – Leads & Lifts				
	a	For every additional Lead of 10 mts over and above initial lead of 10mt	22.47/ Cum	24.21/ Cum	-
	b	For every additional lift of 1mt over and above initial lift of 2mts	22.47/ Cum	24.21/ Cum	-
14	Conveyance of silt , carted earth, stable casing soil and gravel excluding loading and unloading				
	a	up to 1 km	58.50/-cum	58.50/-cum	No change
	b	2 km	68.25/-cum	68.25/-cum	
	c	3 km	78/-cum	78/-cum	
	d	4km	87.75/-cum	87.75/-cum	
	e	5km	104/-cum	104/-cum	
	f	6km	107/-cum	107/-cum	
	g	7 km	120/-cum	120/-cum	
	h	8 km	132/-cum	132/-cum	
	i	9 km	138/-cum	138/-cum	
	j	10 km	143/-cum	143/-cum	
15		Labour charges for Spreading of silt unloaded by tractor in the field	21.84/ Cum	23.53/ Cum	-
16		Labour charges for breaking clods, trimming, sectioning and manual compaction using Dimmisa	34.01/ Cum	36.65/ Cum	-
17	Pebble bunding				
	a	Small stone (size more than 40mm) bunding- Labour charges for collecting and putting as bund only.	236.22/ Cum	254.57/ Cum	-

18	Stone revetment (Un skilled)				
	a	Labour charges for revetment for all type of works	393.71/ Cum	424.30/ Cum	-
19	Rough Stone Dry Packing & Stone pitching (Unskilled)				
	a	Rock Fill Dam, Stone Checks & Stone outlets – Labour charges for packing only.	224.97/ Cum	242.45/ Cum	-
	b	Stone Terracing – Labour charges for packing only.	224.97/ Cum	242.45/ Cum	-
20	Plantation works				
	Category : I				
	a	Survey and demarcation	29.21/- per100 nos	31.47/- per100 nos	-
	b	Alignment and fixing of planting point with 0.45 meters length sticks	84.30/- per100 nos	90.85/- per100 nos	-
	c	0.45 meter sticks preparation and transportation at site.	44.96/- per100 nos	48.45/- per100 nos	-
	d	i) Internal transportation of bag plants to planting points. (5"x9")	44.96/- per100 nos	48.45/- per100 nos	-
		ii) Internal transportation of Avenue Plantation. Tall plants	174.57/- per100 nos	188.13/- per100 nos	-
	e	Refilling of Pits and planting (mxmxm), staking stick			
		i) 0.30 X 0.30 X 0.30 Size pit	1.05/- each	1.13/- each	-
		ii) 0.45 X 0.45 X 0.45 Size pit	3.30/- each	3.55/- each	-
		iii) 0.60 X 0.60 X 0.60 Size pit	6.71/- each	7.23/- each	-
		iv) 0.90 X 0.90 X 0.90 Size pit	10.05/- each	10.83/- each	-
		v) 1.00 X 1.00 X 1.00 Size pit	11.21/- each	12.08/- each	-
	Soil working and weeding				
	Category : I (1 M dia and 0.1 m Depth)				
	a	Avenue Plantation	11.21/- each	12.08/- each	-
	b	Horticulture	11.21/- each	12.08/- each	-
	Category : II (0.5 M dia and 0.1 m Depth)				
	a	Fore shore plantation	3.30/- each	3.56/- each	-
	b	B.H.Afforestation	3.30/- each	3.56/- each	-
	c	Bio Diesel Plantation & Block plantation	3.30/- each	3.56/- each	-
21	Causality Replacement for				
	a	Reopening of Pits for avenue, Horticulture & Blok Plantations.	11.40/- each	12.28/- each	-

	b	Fore share plantation, Barren Hill Afforestation, Bio-Diesel	5.55/- each	5.98/- each	-
22		Watch & Ward and repair to Fence and soil working of each plant including pruning of branches for plantations raised in common property resource lands and lands of SC/ST/assignees.	180.0/- day	194/- day	-
23	Bio Fencing / Brush Wood Fencing for barren hill afforestation.				
	a	Nurseries, block plantation and fore shore plantation including collection, transportation and fixing at site	22.46/- Rmt	24.20/- Rmt	-
	b	Avenue Plantation including collection, transportation and fixing at site (Size of 1 m dia and 1.5 m height)	85.11/- each	91.72/- each	-
	c	Horticulture, for lands of SC-ST & Assignee lands only	2249.89/- acre	2424.70/- acre	-
	d	Horticulture fencing 1 st year & 2 nd year maintenance SC-ST& Assignee lands only.	562.45/- acre	606.15/- acre	-
24	Deep Ploughing in				
	a	Fallow Land and Hard Gravel soils (Depth not less than 0.3 meters) using ploughing tractors	1487/- acre	1602.54/- acre	-
	b	fallow land in ordinary soils using ploughing tractor depth not less than 0.3 m	1190/- acre	1282.46/- acre	-
	c	Cattle cultivator (Double ploughing) in ordinary soils.	893.60/- acre	963.03/- acre	-
25		Watering plants of block plantation from the sump constructed (where ever one sump is available per one acre)	2.85/- plant	3.07/- plant	-
26		Watering plants from hand pump/bore well/open well up to distance of 30 mt	4.01/- plant	4.32/- plant	-
27		Watering block plantation from the nearby sources i.e bore well open well or kunta beyond 30 mts distance.	5/- plant	5.38/- plant	-
28		Hire charges of tractor mounted water tanker for filling sump	447/- per one trip of 5000 ltrs capacity	481.73/- per one trip of 5000 ltrs capacity	-
29		Sharpening of crowbar	10/- per day	10.78/- per day	
30		Basket Replenishment charges	3/- per day	3.23/- per day	

DINESH KUMAR
SPECIAL CHIEF SECRETARY TO GOVERNMENT (RD)

GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Contracting and Outsourcing of Certain Services in Government Departments –
Enhancement of Remuneration – Orders – Issued.

FINANCE (HR-I - Plg. & Policy) DEPARTMENT

G.O. Ms. No.151

Dated:08-08-2016.

Read the following:-

1. G.O. Ms. No. 94 General Administration (Service-A) Department, Dated: 28.3.2003
2. G.O.Rt.No.2501, Finance (SMPC) Department, dated.13.07.2006.
3. G.O.Rt.No.4271, Finance (SMPC) Department, date 01.11.2008.
4. G.O. Ms. No. 03, Finance (SMPC-II) Department, dated.12.01.2011
5. G.O. Ms. No. 54 Finance (HR I Plg. &Policy) Department, dated: 17.04.2016

ORDER:

Government have been outsourcing certain services to effectively cater to the needs of the Departments to supplement the regular employees to discharge their duties more effectively. In the Government Orders 1st and 3rd read above orders were issued laying down guidelines for requisitioning outsourced services .

2. Government have reviewed the existing system and the guidelines issued earlier. After careful examination hereby issue comprehensive guidelines as indicated in the Annexure I.

3. Government also revise the remuneration payable to the outsourced services as indicated in the Annexure II of the GO. The revised rates are with effect from 1st August, 2016 payable in the month of September, 2016.

4. All the Departments which are outsourcing services should strictly adhere to these guidelines.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

AJEYA KALLAM
SPECIAL CHIEF SECRETARY TO GOVERNMENT

To
All Departments of Secretariat.
All District Collectors.
All Heads of Departments.
The A.G. (A&E)/Pr. A.G. (Audit-I)/A.G. (Audit-II), A.P., Hyderabad.
The General Administration (Cabinet) Department for information.
The Registrar, High Court of Judicature at Hyderabad for the State of Telangana and the State of Andhra Pradesh.
SF/SCs.

//FORWARDED :: BY ORDER//

SECTION OFFICER

ANNEXURE-I

G.O. Ms. No.151, Finance (HR-I-Plg. & Policy) Department, Dated:08.08.2016

COMPREHENSIVE GUIDELINES ON OUTSOURCING OF FUNCTIONS AND FUNCTIONARIES

I	REQUISITION OF OUTSOURCED SERVICES
<p>There are two types of outsourcing of support services. The first one is outsourcing of functions and the second one is outsourcing of functionaries. The outsourcing functionaries should be avoided to the extent possible.</p>	
(a) <u>Outsourcing of Services:</u>	
(1)	A Department may outsource the function, e.g., Catering, housekeeping, security etc. to a service provider agency for a fixed period of time for a mutually negotiated amount. Accordingly, the service provider agency will engage a certain number of personnel and deploy equipment to meet the specific standards prescribed for that function in the contract. In this case, the functionaries continue to be the employees of the service provider agency during and even after their assignment with the Department/Organization. The charges/remuneration for these services will be provided by the service provider/agency.
(2)	The core functions should not be outsourced and should be carried out by the regular employees.
(b) <u>Outsourcing of Functionaries :</u>	
(1)	The department may requisition the services of a certain number functionaries, to support its employees to carry out their mandate. The functionaries could be Office Subordinates, Office Assistants at Junior Clerical level with Word Processing skills, Computer Operators, Drivers etc. for a specific period. The service provider/agency selects and employs the functionaries as per the requirements of the job and places their services at the disposal of the Department/Organization for a fixed amount. However, the functionaries continue to be the employees of the service agency during and after their assignment with the Department.
(2)	The outsourcing of functionaries should be only against the sanctioned post. These should be initial recruitment posts and promotional posts should not be outsourced. The remuneration for these functionaries will be paid by the service provider/agency.
II.	SELECTION OF SERVICE PROVIDERS
(1)	The process of the selection of service providers shall be by following due tender process.
(2)	The selection shall be in a transparent and competitive method.
(3)	The tender document shall contain the description of the service requisitioned clearly indicating the deliverables, milestones. In case of functionaries it shall contain the requirements such as qualifications and qualities of functionaries to be provided with proficiency requirements clearly specified.

III. TERMS AND CONDITIONS OF OUTSOURCING CONTRACT	
(1)	The contract shall specify the nature and quality standards of the service required from the agency and the number of persons in various categories with their respective qualifications and experience, the equipment and other consumables to be supplied by the agency, the time period of the contract, the rates of payment prescribed for various functions and functionaries and the penalties for various types of likely defaults in satisfactory rendering of the services.
(2)	The concerned Departments/heads of administrative units shall ensure that the prescribed equipment, consumables and number of persons with proper qualifications and training are deployed by the service provider at all times in accordance with the outsourcing contract.
(3)	The Departments shall also reserve the right to demand change of equipment/personnel if their services are not found to be satisfactory, in addition to levying penalties as per the terms and conditions of the contract.
(4)	If the service continues to be unsatisfactory, the Department/competent authority shall exercise its right to not only recover damages but also to terminate the contract and replace the service provider with an agency kept in the reserve from the tender process.
IV. CONSIDERATION FOR SERVICE PROVIDERS FOR FUNCTIONARIES	
(1)	The service providers be paid a commission not more than 5% of the remuneration paid to the functionaries. The remuneration paid to the service provider is exclusive of the remuneration provided to the functionaries. In other words, the service provider shall not charge any fee/commission from the functionaries or deduct any amount other than employees' share of Provident fund.
(2)	The quote by the service provider shall include the commission, the employer's contribution, ESI and Service Tax with a clear breakup of all these items.
(3)	The service provider shall deduct employees' contribution to Provident Fund and remit it along with the employer's share to the EPF fund and remits it to the EPF account of the employee.
V. CONTRACT WITH THE SERVICE PROVIDER	
(1)	The Head of the Department or the head of the Administrative Unit, as the case may be, shall be competent to enter into a written agreement with a registered service provider agency, which holds a valid licence under the Contract Labour Act issued by the competent authority, to provide the contract labour and has sufficient experience to render the relevant services.
(2)	The department shall also keep at least two more service providers in reserve, on the same terms and conditions, to step in at short notice if the selected service provider defaults in providing satisfactory service, and the contract has to be terminated
(3)	No outsourcing contract shall be for a period of more than one year. Subject to the need and justification, and satisfaction of the competent authority, such contracts may be extended on mutually agreed terms for one year at a time, subject to the condition that the total period of the contract shall not exceed three years at a time. At the end of three years, the Department shall

		necessarily go through the whole process of calling fresh tenders, giving equal opportunity to other service provider agencies.
	(4)	While entering into contract, the Department should ensure that the service provider possess proper licence from the Labour Department and check the antecedents of the Service Provider.
VI	ACCOUNTING OF EXPENDITURE	
	(1)	The expenditure on outsourcing of functions (services) shall be debited to sub-detailed heads '300 – Other Contractual services.
	(2)	Usual Treasury Control shall apply and therefore, all departments shall ensure that adequate provisions are made in their budgets to meet the costs.
	(3)	Further the concerned Treasury Officers shall not pass any bills if they are not verified to be under proper and currently valid government sanction.
VII	GENERAL	
	(1)	The Head of the Department and District Collectors may also prepare rate contract of service providers to facilitate the process of outsourcing by offices.
	(2)	The Head of the Office should ensure that the Rule of Reservation is followed scrupulously requisitioning the functionaries from the outsourced agency as indicated in the departmental website of the Social Welfare Department (http://apsocialwelfare.cgg.gov.in)
	(3)	The service provider shall remit the amount of remuneration directly to the individual Bank account of the functionary.
	(4)	The Departments should check periodically at regular intervals that service provider is remitting the amounts of EPF deducted from the functionaries along with the employer's contribution to the EPF accounts of the employees and paying ESI promptly by duly verifying the challans. They shall also verify the ESI cards of the functionaries obtained by the service provider from ESI Corporation.
	(5)	All the guidelines issued in this regard shall continue to apply unless otherwise modified in this order.
	(6)	The permission accorded in the G.O. fifth read above shall be extended up to 31 st July, 2017.
	(7)	All the Departments shall invariably obtain Government permission to outsource functionaries. The audit officers shall not admit any claim of the remuneration of functionaries without the concurrence of the Finance department
	(8)	Remuneration for all the outsourced functionaries should be supplied by service provider in any category in all Departments shall be governed by this Government Order henceforth

SECTION OFFICER

ANNEXURE II

G.O. Ms. No.151, Finance (HR-I-Plg. & Policy) Department, Dated:08.08.2016

REMUNERATION TO THE FUNCTIONARIES THROUGH OUTSOURCING

Sl. No.	Contract / Outsourced Category	Enhanced Remuneration per month Rs.
1	<p style="text-align: center;"><u>Category –I</u></p> <ol style="list-style-type: none">1. Senior Assistant*2. Senior Steno3. Senior Accountant*4. Translator5. Data Processing Officer6. All other categories of services similar to posts carrying the scale of pay in RPS 2010. <p>Rs.10900 – 31550, Rs.11530 -33200, Rs.11860 – 34050, Rs.12550 – 35800, Rs.12910 – 36700 and Rs.13660 - 38570</p>	17,500
2	<p style="text-align: center;"><u>Category –II</u></p> <ol style="list-style-type: none">1. Driver2. Junior Assistant3. Junior Steno4. Typist5. Telephone Operator6. Storekeeper7. Photographer8. Data Entry Operator9. Data Processing Assistant10. Electrician11. Mechanic12. Fitter13. Librarian14. Lab Assistant15. Cinema/Film/Audio visual Operator16. Supervisor17. Manager*18. All other categories of services similar to posts carrying the scale of pay in RPS 2010. <p>Rs.7960-23650, Rs 8440 – 24950, Rs.9200-27000, Rs.9460 – 27700 and Rs.10020 - 29200</p>	15,000
3	<p style="text-align: center;"><u>Category –III</u></p> <ol style="list-style-type: none">1. Office Subordinate2. Watchman3. Mali	12,000

	4. Kamati 5. Cook 6. Chowkidar 7. Cycle Orderly 8. Lift Operator 9. Lab Attendant 10. Dafedar 11. Jamedar 12. Roneo/Xerox Operator 13. Record Assistant 14. Shroff*/Cashier* 15. All other categories of services similar to posts carrying the scale of pay in RPS 2010. Rs.6700 – 20110, Rs.6900-20680, Rs.7100 – 21250, Rs.7520 – 22430, Rs.7740 – 23040 and Rs.7960 - 23650	
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* To the existing incumbents only. No outsourcing for these categories hereafter,

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