

CSIR-INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY
Post Box NO.-6, PALAMPUR -176 061 (H.P.)

Name of the work: Farm/ Field Operations and Lab Work at CSIR-IHBT,
Palampur(H.P)

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Received Rs. 500.00 (Rupees Five hundred only) in cash vide DD

No. _____ dated _____

_____ from M/s _____

_____ towards

cost of tender document.

Signature of DDO

Tender Issued to:

M/s _____

**Signature of Officer
Issuing Tender**

DETAILS OF EARNEST MONEY DEPOSITED BY TENDERER

(To be filled by the Tenderer)

D.D. _____ Date: _____ Amount _____ Rs.

(_____)

(Rupees _____

_____) Name of the Issuing Bank _____ Payable at

_____.

Signature of Tenderer



CSIR - INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY
Post Box No.-6, Palampur (H.P.) –176 061

NOTICE INVITING TENDER

Separate sealed tenders are invited from the contractors of CPWD, PWD, Railway, MES, Govt./Semi-Govt. Organization and Public Sector Undertakings who are having a valid license under Contract Labour (Regulation & Abolition) Act, 1970 and also have EPF Registration under the EPF, Act,1952 for execution of the following works on job contract basis:-

Sl. No.	Name of work	Estimated Cost (Rs.)	Duration	Tender Cost (Rs.)	Earnest Money (Rs.)
1.	Farm/ Field Operations and Lab Work at CSIR-IHBT, Palampur(H.P)	94,06,070.00	Twelve Months	500.00	1,88,200.00

Tender documents containing detailed description of works, area/quantity, duration and terms & conditions of the contract can be obtained from the Office of the Administrative Officer, CSIR- Institute of Himalayan Bioresource Technology, Palampur-176 061 (H.P.)

Date of Sale of Tender Document:- 31.01.2017 to 20.02.2017 (10:00 A.M. to 4:00 PM)

Last date and time of submission of tenders:- 21.02.2017 Upto 12:30 PM

Date and time of opening tenders:- 21.02.2017 at 3:30 PM

Tender document can be obtained on production of (1) Proof of Registration under the Contract Labour and EPF (2) copy of the last year Income Tax return filed by the Agency/Contractor and (3) Satisfactorily completion certificate of appropriate value of work and (4) Experience Certificate of having rendered similar work/ operation.

Tenders can be obtained in person or through authorized person on payment of cost of tender document **Rs.500.00 (non-refundable)** each in cash to be deposited in the CSIR-IHBT, Cashier. The NIT is also available on the web site www.ihbt.res.in which can be downloaded and be submitted along with a Demand draft amounting to Rs. 500 as Tender fee.

The Director, CSIR- I.H.B.T, Palampur reserves the right to accept the tenders in part or in whole and reject any or all tenders without assigning any reason thereof.

Administrative Officer

CSIR-INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY,
Post Box No.-6, PALAMPUR-176 061 (H.P.)

TERMS AND CONDITIONS OF TENDER

1. Tenderer should drop the sealed tender in the tender box kept in the room of Administrative Officer, CSIR-IHBT, Post Box No.-6, Palampur superscribed on the envelope " **Farm/ Field Operations and Lab Work at CSIR-IHBT, Palampur(H.P).**" with last date of submission and date & time of opening of the tender.
2. The following documents should be attached with the Tender:-
 - (i) Attested copies of experience certificates issued by Head of Department/ Organization/Undertaking, where the tenderer has carried out Farm/Field Operations and Lab work during the last five years.
 - (ii) Attested copy of last year Income Tax return filed by the Agency/Contractor.
 - (iii) A Valid License under Contract Labour (Regulation & Abolition) Act, 1970.
 - (iv) EPF Registration under the EPF Act, 1952.
 - (v) Earnest Money of **Rs.1,88,200.00 (Rupees One Lakhs Eighty Eight thousand only)** in the form of Demand Draft/Banker's Cheque drawn from any Nationalized Bank in favour of Director, Institute of Himalayan Bioresource Technology and payable at Palampur.
3. The validity period of the tender shall be for a period of 90 days from the date of opening of tenders for the purpose of acceptance and award of work. Validity beyond 90 days shall be extended by mutual consent.
4. Tenderer should inspect the site to acquaint himself fully about the accessibility of sites, nature of work, fields condition, working conditions of site and locality before submitting the tender.
5. Tenderer should quote their rates in terms of per unit, per acre, per hectare, per square metre, per cubic meter as the case may be against the quantity / area. The quantities/areas mentioned in the Schedule of description of works, quantities and rates are tentative which can be increased or decreased depending upon the requirement.
6. Tenderer should **quote the rates both in figures and words** and workout the total amount of each item of work and write it in both figures and words correctly. Tenders without mentioning the rates both in figures and words liable to be rejected.
7. Successful tenderer will execute an agreement on a non-judicial stamp paper worth **Rs.100.00** on award of work and this tender document shall be part of the agreement.
8. The earnest money deposited by the tenderer shall be forfeited, if the tenderer fails to execute an agreement within ten days from the date of issue of work award letter or fails to start the work within five days from the date of issue of order for commencement of work.
9. Tenderer shall not impose any condition or make any changes, additions, alterations and modifications in the tender document except quoting the rates and total amount.

10. Successful tenderer will deposit **@ 5% of awarded amount** as Security money in form of DD/FDR pledged to Director, IHBT Palampur before execution of Agreement for due discharge of his obligations under the contract. The Security Money shall be refunded to the contractor after satisfactory completion of work during the contract period. Earnest Money deposited by the tenderer shall either be adjusted against the Security Money on award of work or refunded after deposition of Security Money.
11. Tenderer should sign the entire document himself and affix seal of the firm.
12. Incomplete tender or the tenderer fails to fulfill any of the terms & conditions of the tender shall be liable to rejection.
13. Any action on the part of the tenderer to influence any Officer of CSIR-IHBT or canvassing in any form shall make the tenderer's tender liable to rejection.
14. In case the date of opening is declared a holiday, the date of opening shall be automatically extended to the next working day.
15. CSIR-IHBT shall not be responsible for non/late receipt of the tenders due to postal transit or any reason whatsoever.
16. Tenders received late or without Earnest Money shall not be considered in any case.
17. The Registered office or one of the branch office of the Company/Agency/Firm/Contractor should be located in and around Palampur (within a radius of 100 km).
18. **Incomplete tenders and/or conditional tenders will not be entertained.**

**INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY,
(Council of Scientific & Industrial Research)
Post Box No.-6, PALAMPUR-176 061 (H.P.)**

**Terms and conditions for execution of the Job Contract of Farm/ Field Operations and
Lab Work at CSIR-IHBT, Palampur(H.P):**

A. General Conditions :

1. That it is expressly understood and agreed between the parties to this Agreement that the persons deployed by the Contractor for the services mentioned above shall be the employees of the Contractor for all intents and purposes and that the persons so deployed shall remain under the control and supervision of the contractor and in no case, a relationship of employer and employee between the said persons and the CSIR shall accrue/arise implicitly or explicitly.
2. That on taking over the responsibility of the work assigned the Contractor shall formulate the mechanism and duty assignment of work to its personnel in consultation with Director of CSIR-IHBT or his nominee. Subsequently, the contractor shall review the work assigned from time to time and advise the Director of CSIR-IHBT or the officer designated by the Director in this respect time to time.
3. That the Director of CSIR-IHBT or any other person authorized by the Director shall be at liberty to carry out surprise check on the persons as deployed by the Contractor in order to ensure that persons deployed by him are doing their duties.
4. That in case any of the persons so deployed by the Contractor does not come upto the mark or does not perform his duties properly or commits misconduct or indulges in any unlawful riot or disorderly conduct, the Contractor shall immediately withdraw and take suitable action against such persons on the report of the CSIR-IHBT in this respect. Further, the Contractor shall immediately replace the particular person so deployed on the demand of the Director of CSIR-IHBT in case of any of the aforesaid acts on the part of the said person.

B. CONTRACTOR'S OBLIGATIONS:

1. That the Contractor shall carefully and diligently perform the work assigned to him as mentioned at **Annexure-'A'** in consultation with the CSIR-IHBT.
2. That for performing the assigned work, the Contractor shall deploy medically and physically fit persons. The Contractor shall ensure that the persons are punctual and disciplined and remain vigilant in performance of their duty.
3. That the Contractor shall submit details, such as names, parentage, residential address, age, etc. of the persons deployed by him in the premises of CSIR-IHBT. For the purpose of proper identification of the employees of the Contractor deployed for the work, he shall issue identity cards bearing their photographs/identification, etc. and such employees shall display their identity cards at the time of duty.
4. That the Contractor shall be liable for payment of wages and all other dues which they are entitled to receive under the various labour laws and other statutory provisions.
5. That the Contractor shall at his own cost, if required, take necessary insurance cover in respect of the aforesaid services rendered to CSIR and shall comply with the statutory provisions of Contract Labour (Regulation & Abolition) Act, 1970, Employees state Insurance Act, Workman's

compensation Act, 1923, Payment of Wages Act, 1936, The Employees Provident Fund (and Miscellaneous Provisions) act, 1952, Payment of Bonus Act, 1965, The Minimum wages Act, 1948, Employer's Liability Act, 1938, Employment of Children Act, 1938, Maternity Benefit Act and /or any other Rules/Regulations and /or statutes that may be applicable to them.

6. That the contractor shall be solely responsible for any violation of provision of the labour laws or any other statutory provisions and shall further keep the CSIR indemnified from all acts of omission, fault, breaches and/or any claim, demand, loss, injury and expense arising out from the non-compliance of the aforesaid statutory provisions. Contractor's failure to fulfill any of the obligations hereunder and/or under the said Acts, Rules/Regulations and /or any bye-laws or rules framed under or any of these, the CSIR-IHBT shall be entitled to recover any of the such losses or expenses, which it may have to suffer or incur on account of such claims, demand, loss or injury, from the Contractor's monthly payments.
7. That the Contractor shall be required to maintain permanent attendance register/roll within the building premises which will be open for inspection and checking by the authorized officers of CSIR-IHBT.
8. That the Contractor shall make the payment of wages, etc. to the persons so deployed in the presence of representative of the CSIR-IHBT and shall on demand furnish copies of wage register/muster roll, etc. to the CSIR-IHBT for having paid all the dues to the persons deployed by him for the work under the Agreement. This obligation is imposed on the Contractor to ensure that he is fulfilling his commitments, towards his employees so deployed, under various Labour Laws, having regard to the duties of CSIR in this respect as per the provisions of Contract Labour (Regulation and Abolition) Act, 1970. The Contractor shall comply with or cause to be complied with the Labour regulations from time to time in regard to payment of wages, wage period deduction from wages, recovery of wages not paid and deductions unauthorisedly made, maintenance of wages book, wage slip, publication of scale of wages and terms of employment, inspection and submission of periodical returns.
9. The Contractor shall not deduct any amount from the wages of workers deployed except statutory deductions of EPF/ESI etc.
10. That the Contractor shall submit the proof of having deposited the amount of ESI & EPF contribution towards the persons deployed at CSIR-IHBT in their respective names before submitting the bill for the subsequent month. In case the Contractor fails to do so the amount towards ESI & EPF contribution will be withheld till submission of required documents.
11. The Contractor shall take all reasonable precautions to prevent any unlawful riot or disorderly conduct or acts of his employees so deployed and ensure preservation of peace and protection of persons and property of CSIR-IHBT.
12. That the contractor shall deploy his persons in such a way that the persons get weekly rest. The working hours / leave for which the work is taken from them, do not violate relevant provisions of Shops and Establishment Act. The contractor shall in all dealings with the persons in his employment have due regard to all recognized festivals, days of rest and religious or other customs. In the event of the Contractor committing a default or breach of any of the provisions of the Labour Laws including the provisions of Contract Labour

(Regulation and Abolition) Act, 1970, as amended from time to time or in furnishing any information, or submitting or filing any statement under the provisions of the said regulations and rules which is materially incorrect, he shall without prejudice to any other liability pay to the Director of CSIR-IHBT.

13. The Contractor shall remove all workers deployed by him on termination of the contract or on expiry of the contract from the premises of the CSIR-IHBT and ensure that no such person shall create any disruption/hindrance/problem of any nature in CSIR-IHBT either explicitly or implicitly. They shall not be entitled to and will have no claim for any absorption in CSIR-IHBT.
14. The security money so deposited shall be liable to be forfeited or appropriated in the event of unsatisfactory performance of the Contractor and /or loss/damage if any sustained by the Institute on account of the failure or negligence of the workers deployed by him or in the event of breach of the agreement by the Contractor.
15. The contractor shall keep the CSIR-IHBT indemnified against all claims whatsoever in respect of the employees deployed by the Contractor. In case any employee of the Contractor so deployed enters in dispute of any nature whatsoever it will be the primary responsibility of the Contractor to contest the same. In case CSIR is made party and is supposed to contest the case, the CSIR will be reimbursed for the actual expenses incurred towards counsel fee and other expenses which shall be paid in advance by the Contractor to CSIR on demand. Further, the Contractor shall ensure that no financial or any other liability comes on CSIR in this respect of any nature whatsoever and shall keep CSIR indemnified in this respect.
16. The contractor shall further keep the CSIR-IHBT indemnified against any loss to the CSIR-IHBT property and assets. The CSIR shall have further right to adjust and/or deduct any of the amounts as aforesaid from the payments due to the contractor under this contract.
17. The contractor will make first payment to the workers engaged by him for execution of the work and submit the bills for payment.

C. CSIR OBLIGATIONS:

1. That in consideration of the works executed / services rendered by the Contractor shall be paid on monthly basis for the monthly executed quantities of Job Contract in accordance with the rates quoted by him.
2. That the payment to the contractor as become payable, shall be made on production of the bill for the executed quantities of work duly certified by the Scientist-in-Charge of Division.
3. That payment on account of enhancement/escalation charges on account of revision in wages by the appropriate Govt. from time to time shall be payable by the CSIR-IHBT to the Contractor.
4. That the CSIR-IHBT shall reimburse the amount of service tax, if any, paid by the Contractor to the authorities on account of the services rendered by him. The reimbursement shall be admissible on production of proof of having deposited of the same by the Contractor.
5. The Director, CSIR-IHBT shall have further right to adjust and / or deduct any of the amounts as aforesaid from the payments made to the contractor under the contract.
6. The security money will be refunded to the Contractor within one month of the expiry of the contract only on the satisfactory completion of the contract.

D. PENALTIES/ LIABILITIES :

1. That the contractor shall be responsible for faithful compliance of the terms and conditions of this agreement. In the event of any breach of the agreement, the same may be terminated and the security deposit will be forfeited and further the work may be got done from another agency at his risk and cost.
2. That the Contractor violates any of the terms and conditions of this agreement or commits any fault or his services are not to the entire satisfaction of officer authorized by the Director of CSIR-IHBT in this behalf, a penalty leading to a deduction upto a maximum of 10% of the total amount of bill for a particular month will be imposed.

E. COMMENCEMENT AND TERMINATION :

1. The duration of the job contract will be for a period of **Twelve months**. This agreement may be extended on such terms and conditions as are mutually agreed upon.
2. That this contract may be terminated on any of the following contingencies:-
 - a) On the expiry of the contract period as stated above;
 - b) By giving on e month's notice by CSIR-IHBT on account of:
 - i) committing breach by the Contractor of any of the terms and conditions of this agreement.
 - ii) assigning the contract or any part thereof to any sub Contractor by the Contractor without written permission of the CSIR-IHBT.
 - c) By giving three months notice by either party
 - d) On Contractor being declared insolvent by competent Court of Law.

During the notice period for termination of the contract, in the situation contemplated above, the contractor shall keep on discharging his duties as before till the expiry of notice period.

F. ARBITRATION:

1. In the event of any question, dispute / difference arising under the agreement or in connection therewith (except as to matters the decision of which is specifically provided under the terms and conditions) the same shall be referred to the Sole Arbitration to DG, CSIR or his nominee.
2. The award of the arbitrator shall be final and binding on the parties. In the event, the Arbitrator to whom the matter is originally referred to, is being transferred or has vacated his office or resigned or refused to work or neglect the work or being unable to act for any reason whatsoever, the Director General, CSIR shall appoint another person to act as an Arbitrator in place of the out-going Arbitrator in accordance with the terms and conditions of the agreement and the person, so appointed, shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.
3. The Arbitrator may give interim award(s) and / or directions, as may be required.
4. Subject to the aforesaid provisions, the Arbitration & Conciliation Act, 1996 and the rules made hereunder and any modification thereof from the time being in force shall be deemed to apply to the arbitration proceedings under this Clause.

**CSIR- INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY,
Post Box NO.-6, PALAMPUR-176 061 (H.P.)**

**SCHEDULE FOR THE PARTICULARS OF THE TENDERER
(To be filled by the Tenderer)**

1.	Name of the Proprietor / Partners	
2.	In case of Co-operative Society, Name of the Chairman / Secretary who is authorized to sign the tender	
3.	Name of the Firm / Co-operative Society / Agency	
4.	Address of the Firm / Co-operative Society / Agency	
5.	Telephone Number :	
	FAX No:	
	E-mail:	
6.	Residential Telephone Number of the Proprietor/Owner/Chairman or Secretary	
7.	Registration No.	
8.	Trade for which registered	
9.	In case of Partnership, name & address of the partner signing the tender documents	
10.	Specimen signature of the person with name authorized for signing the tender	
11.	Name & Address of Banker	
	MICR No. of the Banker:	
	Bank Account No. of the Firm/Agency/Contractor	
12.	Approximate Annual Transaction during the last two years	
13.	Registration Number and date under a) Contract Labour (Regulation & Abolition) Act, 1970 b) E.P.F. Account No : c) Service Tax Account No : d) PAN No: e) GIR No:	

Signature of Tenderer

**CSIR-INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY,
Post Box No.-6, PALAMPUR-176 061 (H.P.)**

SCHEDULE OF WORK DONE BY THE TENDERER
(To be filled by the Tenderer)

Tenderer should mention below the details of the works (maximum five works) satisfactorily completed during the last five years period which are nearer to the estimated amount of the tender and also attach satisfactory completion certificate of the works issued by concerned departments/Organizations.

Sl.No	Name of the work completed	Location / Site of the work	Value of the work	Name of the Deptt./Organization with Tel. No. FAX No.
1.				
2.				
3.				
4.				
5.				

Signature of Tenderer

Schedule of Description of works, Quantities and Rates

1) AMACIP							
a) BANURI FARM							
Banuri Experimental Large Cardamom Farm Works:							
S. No	RA		Job Description	Unit	Quantity	Rate	
	No.					(Rs)	
NURSERY WORKS							
1	3.1		Earth work in excavation of top soil for filling sleeves, minor levelling of land, digging drains, planting saplings in 45 cm X 45 cm X 45 cm and disposal of surplus soil as directed by the incharge	cu m	15.00		
2	3.2		Filling of soil in 12.50 cm X 22 cm layflat sleeves and stacking in at a suitable plate form as per the direction of Incharge	No.	5,000.00		
3	3.3		Making rooting beds, staking beds, staking sleeves including digging drain (15cm x 15cm) and erecting side bars.	sq m	100.00		
4	3.6		Sowing of germinated half-sib large cardamom seeds in sleeves or planting of large cardamom cutting				

			in rooting beds or sleeves	No.	5,000.00				
5	3.8		Spraying of agro chemicals by sprayers in nursery/ green house and out side as per the direction	sq m	3,000.00				
6	3.9		Weeding with khurpi/ Khunti in nursery including disposal of rooted vegetation as per the direction	sq m	2,000.00				
7	3.10		Irrigation in green house/ nursery beds with rubber hose	sq m	2,000.00				
8	3.11		Shifting sleeve grown plants within nursery area or shifting to hardening nursery beds	No.	500.00				
9	3.14		Repair of netloan in nursery/Poly house	sq m	1,000.00				
10	4.1		Making stakes from supplied bamboo or wood	No.	5,000.00				
11	4.2		Layout of plantation	No.	5,000.00				
12	4.3		Carriage of plants to planting site within farm area and planting including mixing planting mixture	No.	5,000.00				
13	5.1		Manuring in mature large cardamom (including making NPK mixture	ha	12.00				
14	5.2		Manuring in young large cardamom (including making NPK mixture)	ha	1.00				

15	5.3		Spraying of agrochemicals in large cardamom	ha	70.00				
16	5.4		Manuring in nursery beds	cu m	100.00				
17	6.1		Irrigation of young large cardamom by hose pipe	ha	2.00				
18	7.8		Lopping of shade trees	Eac h	400.00				
19	7.9		Side trimming of lanes in large cardamom bushes (mechanically)	m	22,500.00				
20	8.1		Eradication of wild bushes including cutting down the jungle, uprooting them along with major roots.	No.	500.00				
21	8.2		Hand removal of weeds within large cardamom bushes or sickling weeds in large cardamom area.	ha	5.00				
22	8.3		Uprooting and removal of undesirable deep rooted shrubs/ dried trees including cutting down the jungle, uprooting them along with major roots.	No.	50.00				
23	9.1		Collection and arranging large cardamom pruning litter within rows	ha	2.00				
24	9.2		Collection and spreading green mulch, 20 cm thick between the rows.	ha	0.50				
25	11.1		Soil sampling from large cardamom field including mixing and packing in bags	No.	50.00				

26	11.2		Help in experimental / observation recording in agronomic work in field	No.	1,000.00				
27	12.1		Deep hoeing with spade in vacant land	ha	0.25				
28	12.2		Cheeling / forking / digging / levelling of land	ha	1.00				
29	13.1		Cleaning of irrigation channel/Kuhl for irrigation to large cardamom farm	m	1,000.00				
			Banuri Tea Experimental Farm under CSIR/MLP project						
			for 12 months w.e.f. 01.03.2017 to 28.02.2018						
			NURSERY WORKS						
30	3.1		Earth work in excavation of top soil for filling sleeves, minor levelling of land, digging drains, planting saplings in 45 cm X 45 cm X 45 cm and disposal of surplus soil as directed by the incharge	cu m	300.00				
31	3.2		Filling of soil in 12.50 cm X 22 cm layflat sleeves and stacking in at a suitable plate form as per the direction of Incharge	No.	10,000.00				
32	3.3		Making rooting beds, staking beds, staking sleeves including digging drain (15cm x 15cm) and erecting side bars.	sq m	350.00				
33	3.4		Harvesting of half-sib seeds	No.	500.00				
34	3.5		Cracking of half-sib seeds	No.	500.00				

35	3.6	Sowing of germinated half-sib tea seeds in sleeves or planting of tea cuttings in rooting beds or sleeves	No.	500.00				
36	3.7	Collection of shoots and making cuttings	No.	10,000.00				
37	3.8	Spraying of agro chemicals by sprayers in nursery/ green house and out side as per the direction	sq m	15,000.00				
38	3.9	Weeding with khurpi/ Khunti in nursery including disposal of rooted vegetation as per the direction	sq m	15,000.00				
39	3.10	Irrigation in green house/ nursery beds with rubber hose	sq m	25,000.00				
40	3.11	Shifting sleeve grown plants within nursery area or shifting to hardening nursery beds	No.	10,000.00				
41	3.12	Transplanting of rooted cuttings from rooting beds to sleeves	No.	2,500.00				
42	3.13	Making grafted cuttings	No.	500.00				
43	3.14	Repair of netloan in nursery/Poly house	sq m	2,500.00				
	4	PLANTING						
44	4.1	Making stakes from supplied bamboo or wood	No.	5,000.00				
45	4.2	Layout of plantation	No.	5,000.00				

46	4.3		Carriage of plants to planting site within farm area and planting including mixing planting mixture	No.	5,000.00				
5			MANURE/FERTILIZER/PESTICIDES/AGROCHEMICAL APPLICATION						
47	5.1		Manuring in mature tea (including making NPK mixture)	ha	12.00				
48	5.2		Manuring in young tea (including making NPK mixture)	ha	1.00				
49	5.3		Spraying of agrochemicals in tea	ha	70.00				
50	5.4		Manuring in nursery beds	cu m	100.00				
6			IRRIGATION						
51	6.1		Irrigation of young tea by hose pipe	ha	2.00				
7			SKIFFING/PRUNING/TRAINING						
52	7.1		LOS (manually)	Eac h	40,000.00				
53	7.2		LS (manually)	Eac h	42,000.00				
54	7.3		LS (mechanically) *	Eac h	11,500.00				
55	7.4		LP/MP/DS (Manually)	Eac h	22,500.00				
56	7.5		LP/MP/DS (Mechanically)	Eac h	1,000.00				

57	7.6		Pruning and training of young tea	Eac h	3,000.00				
58	7.7		Knife cleaning out of pruned bushes	Eac h	22,500.00				
59	7.8		Lopping of shade trees	Eac h	400.00				
60	7.9		Side trimming of lanes in tea bushes (mechanically)	m	22,500.00				
	8		WEEDING/ERADICATION OF WILD BUSHES						
61	8.1		Eradication of wild bushes including cutting down the jungle, uprooting them along with major roots.	No.	950.00				
62	8.2		Hand removal of weeds within tea bushes or sickling weeds in tea area.	ha	60.00				
63	8.3		Uprooting and removal of undesirable deep rooted shrubs/ dried trees including cutting down the jungle, uprooting them along with major roots.	No.	200.00				
	9		MULCHING						
64	9.1		Collection and arranging tea pruning litter within rows	ha	2.00				
65	9.2		Collection and spreading green mulch, 20 cm thick between the rows.	ha	0.50				
	10		HARVESTING **						
66	10.1		Tipping of DS/LP/MP tea bushes	No.	25,000.00				

67	10.2		Plucking tea in experimental area	Kg	12,000.00				
68	10.3		Plucking tea in non-experimental area in flush period with more than 50 per cent fine green leaf or minimum grade acceptable to the cooperative tea factory.	Kg	33,000.00				
69	10.4		Plucking tea in non-experimental area in lean period with more than 50 per cent fine green leaf or minimum grade acceptable to the cooperative tea factory.	Kg	13,000.00				
70	10.5		Plucking tea by machine with more than 50 per cent fine green leaf or minimum grade acceptable to the cooperative tea factory.	Kg	15,000.00				
	11		EXPERIMENTAL WORK/OBSERVATION RECORDING AT FARM						
71	11.1		Soil sampling from tea field including mixing and packing in bags	No.	125.00				
72	11.2		Help in experimental / observation recording in agronomic work in field	No.	5,000.00				
	12		EARTH WORK/TILLAGE						
73	12.1		Deep hoeing with spade in vacant land	ha	0.50				
74	12.2		Cheeling / forking / digging / levelling of land	ha	5.00				
	13		IRRIGATION CHANNEL						

75	13.1		Cleaning of irrigation channel/Kuhl for irrigation to tea farm	m	500.00					
			(B) CHANDPUR FARM							
			Subject:-Job Work of Field exp. Operations of API Department- Chandpur farm							
			Perod From:-one year; 2017 - 2018							
			Project No.: BSC-0110							
	RA No.		Particulars	Unit	Quantity	Rate				
						(Rs)				
76	1.1		Eradication of wild bushes including cutting down the jungle and uprooting them along with major roots and disposal at dumping site.	no	1700					
77	1.2		Eradication of Damask rose bushes including cutting down the jungle, uprooting them along with major roots and disposal at dumping site.	no	2500					
78	2.1		Manually sickling of weeds in crops field and vacant area including cleaning of weeds within plant root zone and removing of waste and its disposal in manure pits to leave the field clean	ha	17					
79	2.2		Manually sickling of weeds in rose plantation and vacant area including cleaning of weeds within plant root zone and removing of waste and its disposal in manure pits to leave the field clean	ha	14					
80	2.3		Sickling of weeds by power machine in crop fields and vacant area including cleaning of weeds within plant root zone and removing of waste and its							

			disposal in manure pits to leave the field clean	ha	5				
81	3		Nursery bed preparations (including earth works, clod breaking and fine dressing) in cultivated land for seed sowing and sapling transplanting as per as per the directions.	sq m	2200				
82	5		Making stakes from the supplied bamboo/ and staking wood for plant & pit marking as per direction	no s	1000				
83	6.1		Application of fertilizers manuring of crop fields/ plantation including handling fertilizer bag, making fertilizer mixture, carriage to field and washing of empty bags as per directions.	ha	8				
84	6.2		Application of fertilizers & manure, pestistide etc. in basin of tree species including handling fertilizer bag, making fertilizer mixture, carriage to field and washing of empty bags as per the direction.	no	16000				
85	7		Application of granular pesticides /agro chemical around plants in field, poly bags, sleeves, pots etc.	no	14,000				
86	8		Application of FYM/organic manure, leaf mould and sand @ 5 kg/m ² in pits, field and nursery beds	sq m	12000				
87	9.1		Sowing seeds of different medicinal/ aromatic crop in sleeves/ pots and covering with soil as per direction followed by irrigation.	nos	10000				

88	9.3	Sowing seeds of different medicinal/ aromatic crops by broadcasting method and its surface mixing in soil as per the direction	ha	4				
89	14.1	Irrigation in nursery in beds, pots, sleeves etc. by hose pipe upto a depth of 40-60 mm or as when required as per the direction	sq m	1,25,000				
90	14.2	Irrigation throughout inside poly houses in beds,pots and sleeve grown saplings as per the direction	sq m	1,00,000				
91	15	Irrigation by rose can/ bucket in basin of plant or bushes, trees etc.	no	30000				
92	16	Irrigation in crop fields/ plantation and nursery bed (by kulh water) including maintenance of irrigation chanel as per the directions	ha	8				
93	17	Weeding with khurpi in crop field and removal of weeds/ waste material from the field and disposal in manure pit as per the directions						
94	17.1	Without mulch area	ha	7				
95	17.2	Mulch area	ha	1				
96	19.1	Manually spraying of agrochemical in different plantations and crops including handling, maintenance and cleaning of equipment before						

			and after use as per the directions.	ha	35				
97	19.2		Spray of agrochemical by power operated sprayer in different plantations and crops including handling, maintenance and cleaning of equipment before and after use as per the directions.	ha	8				
98	20.2		Making planting pits of 45 cmX 45 cm X 45 cm as per plan including distance measurement, pit marking,field lay out as per directed	no	5000				
99	23		Screen through sieve of 4.75 mm size and mixing potting media having soil, sand and manures etc. proportion of specified as per directions	cu m	55				
100	24.2		Filling of potting media in 12 X 25 cm sleeves and stacking at a suitable platform as per direction	nos	12,000				
101	26		Digging,carrying and spreading of dumped manure or /and good earth in thickness range of 5-8 cm in beds or crop field per the directions.	cu m	50				
102	27		Construction of temporary poly tunnels with G I pipe/saria, and covering nursery plots with polythene sheet.	sq m	500				
103	32		Uprooting of nursery plants, (soft wood) carriage to planting site and planting, giving light irrigation as per the direction	no s	7,500				

104	34	Ploughing of land by power tiller to work out pulverized soil tith of 15 cm depth for nursery bed as per the direction.	ha	1				
105	35	Interculture tillage operation by power tiller in the field and with in the plantation.	ha	1				
106	36	Cheeling, forking, clod breaking and levelling of land in vacant area or in crop field as per the direction.	ha	5				
107	37.1	Criss-cross double direction hoeing with spade in vacant land and crop field in rose including leveling of clod breaking, cleaning of all weeds and land as per the directions.	ha	7				
108	37.2	Criss cross double direction hoeing with spade/ phawra in vacant land and other crops including clod braking, cleaning of all weeds and leveling of land as per direction	ha	5				
109	38	Circle hoeing around Damask rose bushes of one mt. dia including clod braking, removing all weeds along with roots in plantation.	no	15,000				
110	39	Plant sampling, help data recording of leaf, flower, seeds rhizome root,sucker, diameter, weighing, counting						

			and measuring plants under nursery/ polyhouse, field etc as per directions	nos	17,000				
111	40		Pruning in Damask rose manually including removal of biomass and carriage to dumping site as per the direction.						
112	40.1		Light pruning	nos	10,000				
113	40.2		Medium pruning	nos	7,000				
114	40.3		Ground level pruning	nos	3,000				
115	41.1		Handling of stored seeds ,weighing, repacking in gunny bags for sale as per direction.	kg	90				
116	41.2		Drying of seeds and other plant material till a proper moisture content and filling the same in gunny bag, sewing and storage as per direction.	kg	50				
117	42.1		Plucking flowers of rose including cariage to distillation site and weighing as per direction	Qt	40				
118	42.2		Plucking flowers of expt. rose including cariage to distillation site and weighing as per direction	Qt	10				
119	43		Separation of leaves from harvested crop,Stevia, Basil,Mint,Geranium ,Sage etc.as per direction.	Kg	1000				
120	44		Harvesting of medicinal and aromatic crop including carriage to distillation site and weighing as per direction	qtl	60				
121	45.1		Cost of material carriage including loading, unloading in vehicle and stacking as per direction	qtl	600				

122	45.2	Cost of carriage of plant biomass/ spent materials from field and processing unit to other staking / dumping sites as per direction	qtl	1,500				
123	46	Cleaning of road and lawn area out side farm buildings and distillation site as per the direction	sq m	15000				
124	47	Lopping of shade trees as per the direction	nos	500				
125	49.1	Digging and preparing irrigation channel of 45 cms width 30 cms deep continuous channel	met er	10000	running			
126	49.2	Cleaning of cemented irrigation channel along road side	R-met er	1000				
127	52	Collection carriage of waste material and biomass from the field with in 500 mts upto site	Qt	200				
128	53	Gap filling and thinning in nursery /field	no s	10,000				
129	54.1	Repairing of field lay out of experimental plots	sq m	5000				
130	54.2	Agronomical field layout for experimental sowing/ planting as per treatments in beds with irrigation channel and field bunds	sq m	2,000				
131	55	Making sand bed in prepared field for rooting of cuttings of different plant material	sq	1000				

				m					
132	56		Sample preparation (drying, grinding, weighing and packing) for laboratory works.	kg	150				
133	57		Batch distillation/extraction of plant materials/ solvents by glass apparatus like clavanger, soxhlet evaporators etc(number/day)	batch	100				
134	58.1		Cleaning farm office and window panes of field lab	sq m	1000				
135	58.2		Cleaning and washing Laboratory glass ware's Chandpur Laboratory	no	5000				
136	59		Procurement, carrying and handling of laboratory related store materials viz. gaseous cylinders, stationary, chemicals , glasswares from store to lab or from lab to field lab.	no	150				
			Subject:-Job Work of Nursery Operations of API Department						
			Perod From:-one year; 2017 - 2018						
			Project No.:MLP 0057						
	RA No.		Particulars	Unit	Quantity	Rate			
						(Rs)			
137	3		Nursery bed preparations (including earth works, clod breaking and fine dressing) in cultivated land for seed sowing and sapling transplanting as per as per the directions.	sq m	3500				
138	4		Placement of organic (5-8 cm) and polythene						

			mulch to cover the nursery bed as per the direction	sq m	500				
139	8		Application of FYM/organic manure, leaf mould and sand @ 5 kg/m ² in pits, field and nursery beds	sq m	10000				
140	9.1		Sowing seeds of different medicinal/ aromatic crop in sleeves/ pots and covering with soil as per direction followed by irrigation.	nos	5000				
141	10		Collection of Damask rose shoots and making cutting including removal of pruning waste from the field upto dumping pit, as per direction.	nos	50,000				
142	11		Collection of soft wood shoots and making cutting including removal of pruning waste from the field upto dumping pit, as per direction.	no s	1,00,000				
143	12		Planting Damask rose cuttings in prepared beds/ pot/ sleeves as per direction followed by irrigation	nos	50,000				
144	13		Planting soft wood cuttings in prepared beds as per direction followed by irrigation	no s	1,00,000				
145	14.1		Irrigation in nursery in beds, pots, sleeves etc. by hose pipe upto a depth of 40-60 mm or as when required as per the direction	sq m	1,50,000				

146	14.2	Irrigation throughout inside poly houses in beds,pots and sleeve grown saplings as per the direction	sq m	1,30,000				
147	15	Irrigation by rose can/ bucket in basin of plant or bushes, trees etc.	no	30000				
148	17	Weeding with khurpi in crop field and removal of weeds/ waste material from the field and disposal in manure pit as per the directions						
149	17.1	Without mulch area	ha	3				
150	18.1	Uprooting weeds in small pots/sleeves grown seedlings including disposal of uprooted vegetation as per the direction.	no s	1,00,000				
151	18.2	Uprooting weeds in large poly sleeves grown seedlings and in 30 x 30 cm dia pots including site cleaning and waste disposal as per the direction.	no	80,000				
152	19.1	Manually spraying of agrochemical in different plantations and crops including handling, maintenance and cleaning of equipment before and after use as per the directions.	ha	5				
153	20.1	Earth works in excavation of top soil for filling sleeves, minor leveling of land, digging of drains and pits and disposal of surplus soil as per the direction	cu m	100				

154	21	Earth work in digging and excavation of deep soil for new land development, spreading or filling and levelling of surplus soil as per directed	cu m	100					
155	22	Supply and stacking at site of dump manure band soil from badli or other approved sources including carriage up to 1 Km (manure measured in stack will be reduced by 8% for payment) carriage of soil and manure by Institute vehicle.	cu m	100					
156	23	Screen through sieve of 4.75 mm size and mixing potting media having soil, sand and manures etc. proportion of specified as per directions	cu m	100					
157	24.1	Filling of potting media in hikko tray and staking at suitable platform as per direction	nos	500					
158	24.2	Filling of potting media in 12 X 25 cm sleeves and stacking at a suitable platform as per direction	nos	50,000					
159	24.3	Filling of potting media in sleeves more than size 12x25 cms/small pots and staking in at a suitable platform as per the direction	nos	25,000					
160	25	Filling of 30 X 30 cm length pots with potting mixture and shifting to the GH/poly tunnel upto 50 mtrs as per the directions.	nos	500					
161	26	Digging, carrying and spreading of dumped manure or /and good earth in thickness range of 5-8 cm in beds or crop field per the directions.	cu	50					

				m					
162	27		Construction of temporary poly tunnels with G I pipe/saria, and covering nursery plots with polythene sheet.	sq m	500				
163	28		Maintenance and repair of nursery poly house/poly tunnel structure as per the direction	sq m	1500				
164	29		Uprooting of nursery plants (hard wood), from nursery carriage manually to the planting site or loading in vehicle as per the direction.	no s	50,000				
165	30		Uprooting of nursery plants, (soft wood) carriage, counting, packing and loading in vehicle as per the direction	nos	1,00,000				
166	31		Planting rooted (hard wood) cutting and giving a light irrigation as per the direction.	nos	10000				
167	32		Uprooting of nursery plants, (soft wood) carriage to planting site and planting, giving light irrigation as per the direction	no s	50,000				
168	33		Rearranging, shifting sleeve or pots grown plants/ seedlings to hardened nursery or required place as per the direction.	no s	20,000				

			Subject:-Job Work of Nursery Operations of API Department						
			Perod From:-one year; 2017 - 2018						
			Project No.: PSC-103 (Dr.Rakesh Kumar)						
	RA No.		Particulars	Unit	Quantity	Rate			
						(Rs)			
169	3		Nursery bed preparations (including earth works, clod breaking and fine dressing) in cultivated land for seed sowing and sapling transplanting as per as per the directions.	sq m	1000				
170	11		Collection of soft wood shoots and making cutting including removal of pruning waste from the field upto dumping pit, as per direction.	no s	10,000				
171	13		Planting soft wood cuttings in prepared beds as per direction followed by irrigation	no s	10,000				
172	14.1		Irrigation in nursery in beds, pots, sleeves etc. by hose pipe upto a depth of 40-60 mm or as when required as per the direction	sq m	75,000				
173	14.2		Irrigation throughout inside poly houses in beds,pots and sleeve grown saplings as per the direction	sq m	1,00,000				

174	18.1		Uprooting weeds in small pots/sleeves grown seedlings including disposal of uprooted vegetation as per the direction.	no s	20,000				
175	18.2		Uprooting weeds in large poly sleeves grown seedlings and in 30 x 30 cm dia pots including site cleaning and waste disposal as per the direction.	no	35,000				
176	20.1		Earth works in excavation of top soil for filling sleeves, minor leveling of land, digging of drains and pits and disposal of surplus soil as per the direction	cu m	10				
177	21		Earth work in digging and excavation of deep soil for new land development, spreading or filling and levelling of surplus soil as per directed	cu m	100				
178	22		Supply and stacking at site of dump manure band soil from badli or other approved sources including carriage up to 1 Km (manure measured in stack will be reduced by 8% for payment) carriage of soil and manure by Institute vehicle.	cu m	10				
179	23		Screen through sieve of 4.75 mm size and mixing potting media having soil, sand and manures etc. proportion of specified as per directions	cu	10				

				m					
180	24.2		Filling of potting media in 12 X 25 cm sleeves and stacking at a suitable platform as per direction	nos	10,000				
181	24.3		Filling of potting media in sleeves more than size 12x25 cms/small pots and staking in at a suitable platform as per the direction	nos	6,000				
182	25		Filling of 30 X 30 cm length pots with potting mixture and shifting to the GH/poly tunnel upto 50 mtrs as per the directions.	nos	1000				
183	33		Rearranging, shifting sleeve or pots grown plants/ seedlings to hardened nursery or required place as per the direction.	nos	3,500				
			Perod From:-one year; 2017 - 2018						
			Project No.: BSC-109 (Dr.Rakesh Kumar)						
	RA No.		Particulars	Unit	Quantity	Rate			
						(Rs)			
184	3		Nursery bed preparations (including earth works, clod breaking and fine dressing) in cultivated land for seed sowing and sapling transplanting as per as per the directions.	sq m	200				
185	14.1		Irrigation in nursery in beds, pots, sleeves etc. by hose pipe upto a depth of 40-60 mm or as when required as per the direction	sq m	60,000				
186	14.2		Irrigation throughout inside poly houses in beds,pots						

			and sleeve grown saplings as per the direction	sq m	30,000				
187	15		Irrigation by rose can/ bucket in basin of plant or bushes, trees etc.	no	6000				
188	18.1		Uprooting weeds in small pots/sleeves grown seedlings including disposal of uprooted vegetation as per the direction.	no s	60,000				
189	18.2		Uprooting weeds in large poly sleeves grown seedlings and in 30 x 30 cm dia pots including site cleaning and waste disposal as per the direction.	no	15,000				
190	19.1		Manually spraying of agrochemical in different plantations and crops including handling, maintenance and cleaning of equipment before and after use as per the directions.	ha	1				
191	20.1		Earth works in excavation of top soil for filling sleeves, minor leveling of land, digging of drains and pits and disposal of surplus soil as per the direction	cu m	6				
192	23		Screen through sieve of 4.75 mm size and mixing potting media having soil, sand and manures etc. proportion of specified as per directions	cu m	6				
193	24.2		Filling of potting media in 12 X 25 cm sleeves and stacking at a suitable platform as per direction	nos	12,000				

194	25	Filling of 30 X 30 cm length pots with potting mixture and shifting to the GH/poly tunnel upto 50 mtrs as per the directions.	nos	100				
195	26	Digging,carrying and spreading of dumped manure or /and good earth in thickness range of 5-8 cm in beds or crop field per the directions.	cu m	5				
196	33	Rearranging, shifting sleeve or pots grown plants/ seedlings to hardened nursery or required place as per the direction.	nos	3,000				
		Subject:-Job Work of Nursery Operations of API Department						
		Perod From:-one year; 2017 - 2018						
		Project No.: RSP-4001 (Dr.Rakesh Kumar)						
	RA No.	Particulars	Unit	Quantity				
197	3	Nursery bed preparations (including earth works, clod breaking and fine dressing) in cultivated land for seed sowing and sapling transplanting as per as per the directions.	sq m	7000				
198	8	Application of FYM/organic manure, leaf mould and sand @ 5 kg/m2 in pits, field and nursery beds	sq m	10000				
199	9.1	Sowing seeds of different medicinal/ aromatic crop in sleeves/ pots and covering with soil as per direction followed by irrigation.	nos	15000				

200	11		Collection of soft wood shoots and making cutting including removal of pruning waste from the field upto dumping pit, as per direction.	no s	50,000				
201	13		Planting soft wood cuttings in prepared beds as per direction followed by irrigation	no s	50,000				
202	14.1		Irrigation in nursery in beds, pots, sleeves etc. by hose pipe upto a depth of 40-60 mm or as when required as per the direction	sq m	1,80,000				
203	14.2		Irrigation throughout inside poly houses in beds,pots and sleeve grown saplings as per the direction	sq m	1,25,000				
204	15		Irrigation by rose can/ bucket in basin of plant or bushes, trees etc.	no	25000				
205	18.1		Uprooting weeds in small pots/sleeves grown seedlings including disposal of uprooted vegetation as per the direction.	no s	1,90,000				
206	18.2		Uprooting weeds in large poly sleeves grown seedlings and in 30 x 30 cm dia pots including site cleaning and waste disposal as per the direction.	no	1,00,000				
207	19.1		Manually spraying of agrochemical in different						

			plantations and crops including handling, maintenance and cleaning of equipment before and after use as per the directions.	ha	6				
208	20.1		Earth works in excavation of top soil for filling sleeves, minor leveling of land, digging of drains and pits and disposal of surplus soil as per the direction	cu m	60				
209	21		Earth work in digging and excavation of deep soil for new land development, spreading or filling and levelling of surplus soil as per directed	cu m	60				
210	22		Supply and stacking at site of dump manure band soil from badli or other approved sources including carriage up to 1 Km (manure measured in stack will be reduced by 8% for payment) carriage of soil and manure by Institute vehicle.	cu m	60				
211	23		Screen through sieve of 4.75 mm size and mixing potting media having soil, sand and manures etc. proportion of specified as per directions	cu m	60				
212	24.2		Filling of potting media in 12 X 25 cm sleeves and stacking at a suitable platform as per direction	nos	50,000				
213	24.3		Filling of potting media in sleeves more than size 12x25 cms/small pots and staking in at a suitable platform as per the direction	nos	35,000				

214	25	Filling of 30 X 30 cm length pots with potting mixture and shifting to the GH/poly tunnel upto 50 mtrs as per the directions.	nos	500				
215	26	Digging,carrying and spreading of dumped manure or /and good earth in thickness range of 5-8 cm in beds or crop field per the directions.	cu m	60				
216	27	Construction of temporary poly tunnels with G I pipe/saria, and covering nursery plots with polythene sheet.	sq m	500				
217	32	Uprooting of nursery plants, (soft wood) carriage to planting site and planting, giving light irrigation as per the direction	no s	25,000				
218	33	Rearranging, shifting sleeve or pots grown plants/ seedlings to hardened nursery or required place as per the direction.	no s	35,000				
219	39	Plant sampling, help data recording of leaf, flower, seeds rhizome root,sucker, diameter, weighing, counting and measuring plants under nursery/ polyhouse, field etc as per directions	nos	12,000				
(C) Floricultur								

e						
Works to be done at floricultural field under BSC-0110						
Item No.	Item code	Description	Unit	Qty.	Rate	
	No.					
220	1	MR	Eradication of wild bushes including cutting down the jungle, uprooting them along with major roots as per direction.	Nos	3000	
221	2	MR	Earth work in excavation of top soil for filling sleeves, minor digging drains, making bunds, planting pits and disposal of surplus soil as directed by the incharge.	cu m	1500	
222	3	MR	Earth work in banking for minor levelling of land, and sterilization of soil as directed by the incharge.	cu m	1000	
223	4	MR	Bed preparation (including earthwork, clod braking and fine dressing) for planting as per the direction of incharge.	Sq m	25000	
224	5	18.9	Mixing earth and sludge or manure in proportion specified or directed.	cu m	1500	
225	6	18.8	Spreading of sludge, dumped manure or /and good earth in required thickness(cost of sludge, dumped manure or and good earth to be paid separately)	cu m	1500	

226	7	MR	Cheeling/forking/digging/levelling of land in floricultural crops.	Sq m	25000				
227	8	MR	Multiplication / propagation						
228	8.1	MR	Collection of shoots	Nos	24000				
229	8.2	MR	Cuttings for propagation works	Nos	22500				
230	8.3	MR	Budding & grafting of rose plants	Nos	5000				
231	9.1	MR	Planting of experimental plant materials	Nos	80000				
232	9.2	MR	Planting of daughter bulbs	Nos	45000				
233	10	MR	Irrigation						
234	10.1	MR	Rubber hose	Sq m	80000				
235	10.2	MR	Irrigation within farm area (50-100 mtrs.) distance through watering cane.	Sq m	30000				
236	11	MR	Weeding with Khurpi/khunti in floricultural field including disposal of uprooted vegetation as per the direction.	Sq m	18000				
237	12	MR	Spraying of agrochemical by foot sprayer in green house and outside as per direction.	Sq m	8000				

238	13	MR	Preparation of fertilizer (NPK) mixture and spreading in experimental plants in line.	Sq m	4500				
239	14	MR	Application of granular insecticide in the soil	Sq m	2000				
240	15	MR	Making stakes from supplied bamboo or wood	Nos	2500				
241	16	MR	Hoeing and earthing of plants	Sq m	8000				
242	17	MR	Rouging of plants and re- transplanting or disposal of rouged plants.	Nos	7500				
243	18	MR	Cutting of grass on bunds and pathway by machine	Sq m	9000				
244	19	MR	Hand removal of weeds by sickles	Sq m	6500				
245	20	MR	Pruning of rose plants	Nos	6000				
246	21	MR	Plant sampling, data recording of morphological characteristics	Nos	5000				
247	22	MR	Harvesting of flower spikes	Nos	17000				
248	23	MR	Harvesting of plant materials bulbs with daughter bulbs	Nos	35000				
249	24	MR	Sterilization of soil by chemical application	Sq m	1000				

250	25.1	MR	Filling of 10 cm X 7 cm dia X 10 cm length pots with potting mixture and shifting to greenhouse /polytunnel upto 50 mtrs as per direction.	Nos	1800				
251	25.2	MR	Filling of 20 cm X 12.5 cm dia X 20 cm length pots with potting mixture and shifting to GH/poly tunnel upto 50 mtrs as per direction.	Nos	1500				
252	25.3	MR	Filling of 30 cmX 20 cm dia X 30 cm length pots with potting mixture and shifting to GH/poly tunnel upto 50 mtrs as per direction.	Nos	1500				
253	26.1	MR	Filling of 15x10 cm poly sleeves with potting mixture and shifting to GH/poly tunnel upto 50 mtrs as per direction.	Nos	1500				
254	26.2	MR	Filling of 25x10 cm polysleeves with potting mixture and shifting to GH/poly tunnel upto 50 metres as per direction.	Nos	1500				
255	27	MR	Planting of plants in pots/sleeves and watering	Nos	12000				
	28	MR	Uprooting weeds in pots/sleeves grown seedlings in G.H. / polytunnels						
256	28.1	MR	Uprooting weeds in 10 and 15 cm dia	Nos	1800				
257	28.2	MR	Uprooting weeds in 20-25cm dia	Nos	1800				
258	28.3	MR	Uprooting weeds in 30 cm dia	Nos	1800				
259	30.9	MR	Procurement carrying and handling of laboratory related store materials viz gaseous cylinders,stationary, chemicals , glasswares from store to lab or from lab to field etc.	Nos	400				

260	31	MR	Construction of low cost poly house with netlon shading net	Sq m	1500				
261	32	MR	Pinching and removal of side shoots of the experimental plants	Nos	25000				
262	34.1	1.2.1a (ii)	Carriage of materials by manual labour including loading/ unloading and stacking for less than 0.5Km						
			I) Cost of carriage including loading and unloading and stacking for first 50 metres	cu m	650				
263	34.2	1.2.1a (ii)	Cost of carriage including loading and unloading and stacking for 50 -100 metres	cu m	700				
(D) PLANT BREEDING									
Project No.: BSC-0110									
Class: FIELD OPERATIONS (Breeding of medicinal, aromatic and other commercial crops)									
	SI.N o.		Particulars	Unit	Tender Quantity	Rate (Rs)			
264	2.1		Manually sickling of weeds in crops field and vacant area including cleaning of weeds within plant root zone and removing of waste and its disposal in manure pits to leave the field clean	ha	8.0				

265	3	Nursery bed preparations (including earth works, clod breaking and fine dressing) in cultivated land for seed sowing and sapling transplanting as per as per the directions.	sq m	500.0				
266	5	Making stakes from the supplied bamboo/ and staking wood for plant & pit marking as per direction	no s	5000.0				
267	8	Application of FYM/organic manure, leaf mould and sand @ 5 kg/m ² in pits, field and nursery beds	sq m	8000.0				
268	9.1	Sowing seeds of different medicinal/ aromatic crop in sleeves/ pots and covering with soil as per direction followed by irrigation.	nos	2000.0				
269	14.1	Irrigation in nursery in beds, pots, sleeves etc. by hose pipe upto a depth of 40-60 mm or as when required as per the direction	sq m	3000.0				
270	16	Irrigation in crop fields/ plantation and nursery bed (by kulh water) including maintenance of irrigation chanel as per the directions	ha	12.0				
	17	Weeding with khurpi in crop field and removal of weeds/ waste material from the field and disposal in manure pit as per the directions						
271	17.1	Without mulch area	ha	8.0				

272	18.1		Uprooting weeds in small pots/sleeves grown seedlings including disposal of uprooted vegetation as per the direction.	no	10000.0				
273	20.1		Earth works in excavation of top soil for filling sleeves, minor leveling of land, digging of drains and pits and disposal of surplus soil as per the direction	cu m	25.0				
274	23		Screen through sieve of 4.75 mm size and mixing potting media having soil, sand and manures etc. proportion of specified as per directions	cu m	25.0				
275	24.2		Filling of potting media in 12 X 25 cm sleeves and stacking at a suitable platform as per direction	nos	10000.0				
276	32		Uprooting of nursery plants, (soft wood) carriage to planting site and planting, giving light irrigation as per the direction	no s	10000.0				
277	36		Cheeling, forking, clod breaking and levelling of land in vacant area or in crop field as per the direction.	ha	10.0				
278	37.2		Criss cross double direction hoeing with spade/ phawra in vacant land and other crops including clod braking, cleaning of all weeds and leveling of land as per direction	ha	4.0				
279	39		Plant sampling, data recording of leaf, flower, seeds rhizome root,sucker, diameter, weighing, counting and measuring plants under nursery/ polyhouse,						

			field etc as per directions	nos	35000.0				
280	49.1		Digging and preparing irrigation channel of 45 cms width 30 cms deep continuous channel	met er	2000.0	running			
281	51		Planting of sapling/nurseries of herbaceous plants in narrow spacing less than 45cm x 60cm	ha	0.25				
282	53		Gap filling and thinning in nursery /field	no s	500.0				
283	54.1		Repairing of field lay out of experimental plots	sq m	6000.0				
284	54.2		Agronomical field layout for experimental sowing/ planting as per treatments in beds with irrigation channel and field bunds	sq m	2000.0				
285	88		Collection of softwood shoots and making cuttings with proper tagging from individual selected plants including removal of pruning waste from the field up to dumping pit, as per direction	no s	10000.0				
286	89		Planting softwood cuttings with proper tagging from selected individual plants in prepared beds as per direction followed by irrigation	no s	10000.0				
287	90		Emasculation / bagging at proper stage of flower bud fomatation and removal of open / pollinated florets with forceps in selected individual plants with						

			proper tagging for controlled pollination	no s	10000.0				
288	91		Hand pollination in emasculated / bagged florets and removal of immature florets with forceps in selected individual plants with proper tagging	no s	10000.0				
289	92		Collection and drying of crossed/ selfed and open-pollinated seeds of selected individual plants with proper tagging and filling the same in bags as per direction	no s	10000.0				
290	93		Collection and Drying of plant material from selected individual plants with proper tagging till a proper moisture content and filling the same in bags and storage as per direction	no s	3000.0				
			Floriculture breeding						
291	4	MR	Bed preparation (including earthwork, clod braking and fine dressing) for planting asper the direction of incharge.	Sq m	2000				=
292	7	MR	Cheeling/forking/digging/levelling of land in floricultural crops.	Sq m	3000				
293	9.1	MR	Planting of experimental plant materials	Nos	30000				
294	9.2	MR	Planting of daughter bulbs	Nos	20000				

295	11	MR	Weeding with Khurpi/khunti in floricultural field including disposal of uprooted vegetation as per the direction.	Sq m	4000				
296	20	MR	Pruning of rose plants	Nos	2000				
297	23	MR	Harvesting of plant materials bulbs with daughter bulbs	Nos	30000				
298	31	MR	Construction of low cost poly house with netlon shading net	Sq m	400				
(E) Entomology									
Abstract of cost for the works to be done in Entomology greenhouse/ field (March 2017-Feb 2018)									
	Sr. No.	Item code No.	Description	Unit	Qty.	Rate			
						Rs			
299	1	MR	Earth work in excavation of top soil for filling pots	cu m	3				
300	2	MR	Bed preparation (including digging, clod breaking and fine dressing) for sowing seeds/ planting as per the direction of incharge.	Sq m	300				
301	3	18.9	Mixing earth and sludge or manure in proportion as specified or directed.	cu m	5				

302	4	MR	Sowing/ planting of experimental seeds/ plant materials	Nos	4000				
303	5	MR	Irrigation of greenhouse crops and potted plants	Sq m	3000				
304	6	MR	Weeding with Khurpi/khunti in greenhouse/ outside area including disposal of uprooted vegetation as per the direction.	Sq m	1500				
305	7	MR	Spraying of agrochemical in green house and outside as per direction.	Sq m	4000				
306	8	MR	Preparation of fertilizer (NPK) mixture and spreading in experimental plants.	Sq m	100				
307	9	MR	Filling of 7 cm dia and 8 cm height pots with potting mixture and shifting to greenhouse /lab as per direction.	Nos	4000				
308	10	MR	Filling of 10 cm dia and 10 cm length pots with potting mixture and shifting to greenhouse /lab as per direction.	Nos	1000				
309	11	MR	Filling of 25 cm dia and 25 cm height length pots with potting mixture and shifting to greenhouse /lab as per direction.	Nos	100				
310	12	MR	Planting of plants in pots and watering	Nos	5100				
311	13	MR	Uprooting weeds in pots/sleeves grown seedlings in G.H.						

312	14	MR	Uprooting weeds in 7 cm dia	Nos	4000				
313	15	MR	Uprooting weeds in 10 cm dia	Nos	1000				
314	16	MR	Uprooting weeds in 25 cm dia experimatal site and weighing	Nos	100				
315	17	MR	Collection and carrying of experimental material	hrs	50				
Abstract of cost for the works to be done in Entomology greenhouse/ field									
	Sr. No.	Item code No.	Description	Unit	Qty.	Rate			
						Rs			
316	1	MR	Earth work in excavation of top soil for filling pots	cu m	6				
317	2	MR	Bed preparation (including digging, clod breaking and fine dressing) for sowing seeds/ planting as per the direction of incharge.	Sq m	400				
318	3	18.9	Mixing earth and sludge or manure in proportion as specified or directed.	cu m	7				
319	4	MR	Sowing/ planting of experimental seeds/ plant materials	Nos	6000				
320	5	MR	Irrigation of greenhose crops and potted plants	Sq m	4000				

321	6	MR	Weeding with Khurpi/khunti in greenhouse/ outside area including disposal of uprooted vegetation as per the direction.	Sq m	2500				
322	7	MR	Spraying of agrochemical in green house and outside as per direction.	Sq m	6000				
323	8	MR	Preparation of fertilizer (NPK) mixture and spreading in experimental plants.	Sq m	220				
324	9	MR	Filling of 7 cm dia and 8 cm height pots with potting mixture and shifting to greenhouse /lab as per direction.	Nos	7000				
325	10	MR	Filling of 10 cm dia and 10 cm length pots with potting mixture and shifting to greenhouse /lab as per direction.	Nos	2000				
326	11	MR	Filling of 25 cm dia and 25 cm height length pots with potting mixture and shifting to greenhouse /lab as per direction.	Nos	100				
327	12	MR	Planting of plants in pots and watering	Nos	9100				
328	13	MR	Uprooting weeds in pots/sleeves grown seedlings in G.H.						
329	14	MR	Uprooting weeds in 7 cm dia	Nos	7000				
330	15	MR	Uprooting weeds in 10 cm dia	Nos	2000				
	16	MR	Uprooting weeds in 25 cm dia	Nos	100				

			experimatal site and weighing						
331	17	MR	Collection and carrying of experimental material	hrs	130				
2) BIOTECHNOLOGY									
The field work to be done in GAP-00176 w.e.f from Feb28, 2017 to Feb 27, 2018									
	SI No	RA no	Job Descriptions	Unit	Qty.	Rate			
						Rs			
332	1	11	Preparation of site selected i.e ground leveling, providing watering to nurseries throughout the year during rooting to transplanting of plants.	sqm	3000				
333	2	20	Collection of bamboo culms and making of cuttings including removal of waste bamboo materials from bamboo culms(Manually)	nos	8000				
334	3	13	Transplanting of rooted cuttings of bamboos from rooting beds to sleeves	nos	8000				
335	4	15.4	Uprooting of weeds in 25x12 cm polygrown seedlings	Nos	8000				
336	3	19	Daily irrigation throughout a month period inside poly houses in beds, pots and sleeve growing saplings in greenhouse/polyhouse	sqm	7000				
337	6	31	Cleaning of paths and sorrounding areas of poly houses and green houses as per directions	sqm	1200				
The field work to be done in GAP-00154 w.e.f from Feb 28th, 2017 to Feb27 ,2018									
	SI	RA no	Job Descriptions	Uni	Qty.	Rate			

	No			t					
338	1	3	Preparation of beds on ground levelled area each bed having a length 6 mtr and width of 1.3 mtr and depth 21 cm	sq m	500				
339	2	5	Filling of pots/sleeves with potting mixture and shifting to greenhouse /polytunnel up to 50 mtrs.						
	3		20 cmX12.5 cm (dia) X 20 cm (length)	Nos	5000				
340	4	6	30cmx20cmdiax30cm length	Nos	5000				
341	5	12	Rearranging shifting sleeve grown plants/seedlings to hardened nursery	nos	22000				
342	6	20.2	Planting of T.C. raised Picrorhiza in pots	Nos	200				
343	7	22	Spraying of pesticides on pots and sleeve grown seedlings/ nursery beds	sq m	447				
344	8	15.4	Uprooting of weeds in 25x12cm poly grown seedlings	nos	25000				
345	9	19.1	Irrigation of Picrorhiza plants as per direction	no	25000				
346	10	31	Cleaning of paths and surrounding areas of poly houses and green houses as per directions	sq m	2000				
The field work to be done in GAP-00163 w.e.f from Feb 28th, 2017 to									

Feb27 ,2018								
SI No	RA no	Job Descriptions	Unit	Qty.				
347	1	3	Preparation of beds on ground levelled area each bed having a length 6 mtr and width of 1.3 mtr and depth 21 cm	sq m	500			
	2	5	Filling of pots/sleeves with potting mixture and shifting to greenhouse /polytunnel up to 50 mtrs.					
348	3		20 cmX12.5 cm (dia) X 20 cm (length)	Nos	5000			
349	4	6	30cmx20cmdiax30cm length	Nos	5000			
350	5	12	Rearranging shifting sleeve grown plants/seedlings to hardened nursery	nos	20000			
351	6	20.2	Planting of T.C. raised saffron in pots	Nos	200			
352	7	22	Spraying of pesticides on pots and sleeve grown seedlings/ nursery beds	sq m	447			
353	8	15.4	Uprooting of weeds in 25x12cm poly grown seedlings	nos	25000			
354	9	19	Daily Irrigation throughout a month period inside poly house in beds,pots grown sapling grown plants of saffron	no	25000			

355	10	31	Cleaning of paths and surrounding areas of poly houses and green houses as per directions	sq m	2000				
The field work to be done in Mission mode Projects w.e.f from Feb 28th, 2017 to Feb27 ,2018									
	SI No	RA no	Job Descriptions	Unit	Qty.				
356	1	3	Preparation of beds on ground levelled area each bed having a length 6 mtr and width of 1.3 mtr and depth 21 cm	sqm	5000				
357	2	5	Filling of pots/sleeves with potting mixture and shifting to greenhouse /polytunnel up to 50 mtrs.						
358	3		20 cmX12.5 cm (dia) X 20 cm (length)	Nos	10000				
359	4	6	30cmx20cmdiax30cm length	Nos	10000				
360	5	12	Rearranging shifting sleeve grown plants/seedlings to hardened nursery	nos	25000				
361	6	20.2	Planting of T.C. raised saffron, Aconitum etc in pots	Nos	14000				
362	7	22	Spraying of pesticides on pots and sleeve grown seedlings/ nursery beds	sqm	500				

363	8	15.4	Uprooting of weeds in 25x12cm poly grown seedlings	nos	20000				
364	9	19	Daily Irrigation throughout a month period inside poly house in beds,pots grown sapling grown plants of saffron	no	80000				
365	10	31	Cleening of paths and surrounding areas of poly houses and green houses as per directions	sqm	10000				
366	11	33	Hardening of T.C raised plants of Picrorhiza, Aconitum,etc in Green house/ Polyhouse	no	80000				
The field work to be done in MLP- 75 w.e.f from Feb 28th, 2017 to Feb27 , 2018									
	Sl No	RA no	Job Descriptions	Unit	Qty.	Rate			
						Rs			
367	1	5	Filling of pots/sleeves with potting mixture and shifting to greenhouse /polytunnel up to 50 mtrs. 20 cmX12.5 cm (dia) X 20 cm (length)	Nos	5000				
368	2	6	30cmx20cmdiax30cm length	Nos	5000				
369	3	12	Rearranging shifting sleeve grown plants/seedlings to hardened nursery	nos	8000				
370	4	20.2	Planting of T.C. raised apple rootstocks in pots	Nos	8000				
371	5	22	Spraying of pesticides on pots and sleeve grown seedlings/ nursery beds	sqm	900				

372	6	31	Cleaning of paths and surrounding areas of poly houses and green houses as per directions	sqm	2000				
373	7	34	Maintenance of apple germplasm and Hardening of of T.C raised apple rootstocks	nos	8000				
374	8	35	Cultivation of viral diagnostics hosts for routine virus inoculations	nos	8000				
375	9	36	Maintenance of viral, viroid and insect culture for virus isolates	nos	8000				
376		37	Seed collectionn of and maintenance of these diagnostics hosts	nos	8000				
The field work to be done in MLP- 71 w.e.f from Feb 28th, 2017 to Feb27 , 2018									
	SI No	RA no	Job Descriptions	Unit	Qty.	Rate			
						Rs			
377	1	5	Filling of pots/sleeves with potting mixture and shifting to greenhouse /polytunnel up to 50 mtrs. 20 cmX12.5 cm (dia) X 20 cm (length)	Nos	5000				
378	3	6	30cmx20cmdiax30cm length	Nos	5000				
379	4	12	Rearranging shifting sleeve grown plants/seedlings to hardened nursery	nos	8000				
380	5	20.2	Planting of T.C. raised apple rootstocks in pots	Nos	8000				

381	7	22	Spraying of pesticides on pots and sleeve grown seedlings/ nursery beds	sqm	900				
382	8	31	Cleaning of paths and surrounding areas of poly houses and green houses as per directions	sqm	2000				
384	9	34	Maintenance of apple germplasm and Hardening of of T.C raised /seedlings	nos	6000				
385	10	35	Cultivation of viral diagnostics hosts for routine virus inoculations	nos	6000				
386	11	38	Maintenance of FACE/FATI	hrs	8000				
387		37	Seed collection of and maintenance of these diagnostics hosts	nos	8000				
3) High Altitude Biology(HAB)									
Aproximately quantity of work and rate analysis of HAB Division (March2017 to Feb 2018)									
	Sl. No.	R. A.	Description of works	Unit	Quantity	Rate Rs.			
			(BSC - 0209):						
			Nursery works:						
388	1	1.1	Earth work in excavation of top soil for filling sleeves, minor leveling of land, digging drains, making bunds, planting pits and disposal of surplus soil as directed by the incharge.	Cu m	250				

389	2	1.2	Supply and stacking (cutting and collection is done by institute implement) of good earth which will be transported and unloaded by Institute equipkent up to 1 km. (earth measured in stacks will be reduced by 29%) as per direction.	Cu m	250				
390	3	1.3	Mixing earth and sludge or manure in proportion specified or directed.	Cu m	250				
391	4	1.4	Supply and stacking at site dump manure band soil from badii or other approved sources including carriage up to 1 km. (manure measured in stack will be reduced by 8% for payment.	Cu m	250				
		1.5	Pot Filling:						
392	6	1.5.1	Filling of 20 cm x12.5cm dia x 20 cm length pots with potting mixture and shifting to greenhouse/poly tunnel up to 50m as per direction.	Nos	2500				
393	7	1.5.2	Filling of 30 cm x20cm dia x 30 cm length pots with potting mixture and shifting to greenhouse/poly tunnel up to 50m as per direction.	Nos	2500				
		1.6	Sleeve filling:						
394	8	1.6.1	Filling of 15 x 10 cm layflat with potting mixture and shifting to GH/Poly tunnel up to 50 mtrs. As per direction.	Nos	12000				
	9	1.6.2	Filling of 25 x 10 cm layflat with potting mixture and shifting to GH/Poly tunnel up to 50 mtrs. As per direction.	Nos	12000				
395	10	1.6.3	Filling of 30 x 20 cm layflat with potting mixture and shifting to GH/Poly tunnel up to 50 mtrs. As per direction.	Nos	12000				

396	11	1.7	Construction of lowcost poly house with net loanshading as per direction.	Sq m	800				
397	12	1.8	Construction of lowcost shading net structure as per direction.	Sq m	800				
398	13	1.9	Bed preparation (including earthwork, clod braking and fine dressing) for planting as per the direction of incharge.	Sq m	2500				
399	14	1.10	Seed sowing in beds as per the direction of incharge.	Sq m	2000				
400	15	1.11	Uprooting and planting of nursery plants as per direction.	Nos	17000				
401	16	1.12	Assistance in activities such as plant sampling, data recording of morphological characteristics viz. leaf area, leaf length stem length, diameter, girth of stem, etc.	Nos	1000				
402	17	1.13	Screen through sieve of IS designation 4.75 mm and mixing potting media having soil sand and manures etc. in proportion of specified as per directions.	Cu m	500				
403	18	1.14	Rearranging, shifting sleeve or pot grown plants/seedlings to hardened nursery or required place as per the direction.	No	10000				
404	19	1.15	Gap filling and thinning in nursery /field	No	6000				
405	20	1.16	Repairing of field lay out of experimental plots	Sq m	10000				

		2	Weeding and interculture in nuresery:						
406		2.1.1	Uprooting weeds in pots grown seedlings in G.H./poly tunnels conditions after including disposal of uprooted vegetation as per the direction.						
407	22	2.1.1.1	Uprooting weeds in 20 cm dia pot as per direction.	Nos	12000				
408	23	2.1.1.2	Uprooting weeds in 30 cm dia pot as per direction.	Nos	12000				
409		2.1.2	Uprooting weeds in poly sleeves grown seedlings in G.H./poly tunnels conditions after including disposal of uprooted vegetation as per the direction.						
410	24	2.1.2.1	Uprooting weeds in 15x10cm polysleeves as per direction	Nos	22000				
411	25	2.1.2.2	Uprooting weeds in 25x12cm polysleeves as per direction	Nos	22000				
412	26	2.1.2.3	Uprooting weeds in 30x20cm polysleeves as per direction	Nos	22000				
413	27	2.2	Weeding with khurpi/khunti in nursery beds including disposal or uprooted vegetation as per the direction.	Sq m	70000				
		3	Weeding/Eradication of wild bushes:						
414	28	3.1	Eradication of wild bushes including cutting down the jungle, uprooting them along with major roots as per direction.	Nos	1000				
415	29	3.2	Hand removal of weeds with in plants/sickling weeds as per direction.	ha	12				
416	30	3.3	Hoeing in main field as per direction.	ha	6				

417	31	3.4	Hoeing in basin of plants of trees as per direction.	Sq m	5000				
418	32	3.5	Cheeling / forking / digging / levelling of land in crops.	Sq m	25000				
		4	Irrigation:						
419	33	4.1	Irrigation in nursery/field plantation by hosepipe/ upto depth of 60mm when required as per direction of incharge	ha	6				
420	34	4.2	Irrigation in seedlings by water rose can as per the direction of incharge.	Sq m	25000				
421	35	4.3	Irrigation in tree basin by hose pipe/ upto depth of 60 mm when required as per direction of incharge.	Sq m	25000				
		5	Manure/Fertilizer/Pesticides/Agrochemical Application						
422	36	5.1	Manuring in plantation including mixing mixture as per direction.	ha	6				
423	37	5.2	Manuring in young plantation including mixing mixture as per direction.	ha	6				
424	38	5.3	Spraying of agrochemical as per direction.	ha	3				
		6	Pruning and Training:						
425	39	6.1	Pruning and Training of bushes as per direction.	Nos	500				
426	40	6.2	Lopping of shade trees as per direction.	Nos	500				
		7	Harvesting of leaves:						

427	41	7.2	Drying of leaf and other plant material till a proper moisture content and filling in guny bag sewing and storage as per direction.	Kg.	4000				
428	42	7.3	Harvesting of rhizomes and cleaning as per direction.	Kg.	1000				
429	43	7.4	Harvesting of Crataegus seed as per direction.	Kg.	2000				
430	44	7.5	Harvesting of Ginkgo leaf as per direction.	Kg.	2000				
		8	Miscellaneous:						
431	45	8.1	Making stakes from supplied bamboo or wood as per direction.	Nos	1500				
432	46	8.2	Cost of material carriage including loading, unloading in vehicle and stacking as per direction	q	10				
433	47	8.2.1	Cost of carriage of plant biomass/ spent materials from field and processing unit to other staking / dumping sites	q	10				
434	48	8.3	Cleaning of roads and area of around farm sites	Sq m	6000				

AGREEMENT

This AGREEMENT made and entered into on this,**Day of Two thousand seventeen** between the COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, a Society registered under the Societies Registration Act and having its registered office at "Anusandhan Bhawan," 2, Rafi Marg, New Delhi (hereinafter referred to as CSIR) of the ONE PART.

AND

M/strading in the name and style of Farm/Field Operations and Lab work and having its registered office at (hereinafter referred to as Contractor) of the OTHER PART.

WHEREAS the CSIR is desirous of giving a job contract Farm/ Field Operations and Lab Work at CSIR-IHBT, Palampur(H.P) which is a constituent unit of CSIR and whereas the Contractor has offered to provide the Farm/Field Operations and Lab work on the terms and conditions hereinafter stated.

WHEREAS THE CONTRACTOR has represented that he is a registered Contractor under the provisions of Contract Labour (Regulation and Abolition) Act, 1970 and has further represented that he is eligible to get this contract and there is no legal or any other bar for him in this respect. Any obligations and/or formalities which are required to be fulfilled under the said Act or any amendment thereto for the purpose of entering into and/or execution of this Contract shall be carried out by the Contractor at his own expenses etc. and the Contractor shall report the compliance thereof to the CSIR (IHBT). The Contractor shall be solely liable for any violation of the provisions of the said Act or any other Act.

Contd....2..

:-2:-

WHEREAS CSIR has agreed to award the job contract of Farm/ Field Operations and Lab Work at CSIR-IHBT, Palampur(H.P) hereinafter mentioned as work assigned details of which are given at Schedule of Description of works, Quantities and Rates.

AND WHEREAS the Contractor has agreed to furnish to CSIR-IHBT an amount of **Rs 1,88, 200.00** (Rupees One Lakh eighty eight thousand and two hundred only) as Security Money.

NOW THEREFORE BY THESE ARTICLES AND ON THE PREMISES mentioned above, the parties have agreed to as under:-

A. General Conditions :

5. That it is expressly understood and agreed between the parties to this Agreement that the persons deployed by the Contractor for the services mentioned above shall be the employees of the Contractor for all intents and purposes and that the persons so deployed shall remain under the control and supervision of the contractor and in no case, a relationship of employer and employee between the said persons and the CSIR shall accrue/arise implicitly or explicitly.
6. That on taking over the responsibility of the work assigned the Contractor shall formulate the mechanism and duty assignment of work to its personnel in consultation with Director of CSIR-IHBT or his nominee. Subsequently, the contractor shall review the work assigned from time to time and advise the Director of CSIR-IHBT or the officer designated by the Director in this respect time to time.
7. That the Director of CSIR-IHBT or any other person authorized by the Director shall be at liberty to carry out surprise check on the persons as deployed by the Contractor in order to ensure that persons deployed by him are doing their duties.
8. That in case any of the persons so deployed by the Contractor does not come upto the mark or does not perform his duties properly or commits misconduct or indulges in any unlawful riot or disorderly conduct, the Contractor shall immediately withdraw and take suitable action against such persons on the report of the CSIR-IHBT in this respect. Further, the Contractor shall immediately replace the particular person so deployed on the demand of the Director of CSIR-IHBT in case of any of the aforesaid acts on the part of the said person.

B. CONTRACTOR'S OBLIGATIONS:

18. That the Contractor shall carefully and diligently perform the work assigned to him as mentioned at **Annexure-'A'** in consultation with the CSIR-IHBT.
19. That for performing the assigned work, the Contractor shall deploy medically and physically fit persons. The Contractor shall ensure that the persons are punctual and disciplined and remain vigilant in performance of their duty.
20. That the Contractor shall submit details, such as names, parentage, residential address, age, etc. of the persons deployed by him in the premises of CSIR-IHBT. For the purpose of proper identification of the employees of the Contractor deployed for the work, he shall issue identity cards bearing their photographs/identification, etc. and such employees shall display their identity cards at the time of duty.
21. That the Contractor shall be liable for payment of wages and all other dues which they are entitled to receive under the various labour laws and other statutory provisions.

22. That the Contractor shall at his own cost, if required, take necessary insurance cover in respect of the aforesaid services rendered to CSIR and shall comply with the statutory provisions of Contract Labour (Regulation & Abolition) Act, 1970, Employees state Insurance Act, Workman's compensation Act, 1923, Payment of Wages Act, 1936, The Employees Provident Fund (and Miscellaneous Provisions) act, 1952, Payment of Bonus Act, 1965, The Minimum wages Act, 1948, Employer's Liability Act, 1938, Employment of Children Act, 1938, Maternity Benefit Act and /or any other Rules/Regulations and /or statutes that may be applicable to them.
23. That the contractor shall be solely responsible for any violation of provision of the labour laws or any other statutory provisions and shall further keep the CSIR indemnified from all acts of omission, fault, breaches and/or any claim, demand, loss, injury and expense arising out from the non-compliance of the aforesaid statutory provisions. Contractor's failure to fulfill any of the obligations hereunder and/or under the said Acts, Rules/Regulations and /or any bye-laws or rules framed under or any of these, the CSIR-IHBT shall be entitled to recover any of the such losses or expenses, which it may have to suffer or incur on account of such claims, demand, loss or injury, from the Contractor's monthly payments.
24. That the Contractor shall be required to maintain permanent attendance register/roll within the building premises which will be open for inspection and checking by the authorized officers of CSIR-IHBT.
25. That the Contractor shall make the payment of wages, etc. to the persons so deployed in the presence of representative of the CSIR-IHBT and shall on demand furnish copies of wage register/muster roll, etc. to the CSIR-IHBT for having paid all the dues to the persons deployed by him for the work under the Agreement. This obligation is imposed on the Contractor to ensure that he is fulfilling his commitments, towards his employees so deployed, under various Labour Laws, having regard to the duties of CSIR in this respect as per the provisions of Contract Labour (Regulation and Abolition) Act, 1970. The Contractor shall comply with or cause to be complied with the Labour regulations from time to time in regard to payment of wages, wage period deduction from wages, recovery of wages not paid and deductions unauthorisedly made, maintenance of wages book, wage slip, publication of scale of wages and terms of employment, inspection and submission of periodical returns.
26. The Contractor shall not deduct any amount from the wages of workers deployed except statutory deductions of EPF/ESI etc.
27. That the Contractor shall submit the proof of having deposited the amount of ESI & EPF contribution towards the persons deployed at CSIR-IHBT in their respective names before submitting the bill for the subsequent month. In case the Contractor fails to do so the amount towards ESI & EPF contribution will be withheld till submission of required documents.
28. The Contractor shall take all reasonable precautions to prevent any unlawful riot or disorderly conduct or acts of his employees so deployed and ensure preservation of peace and protection of persons and property of CSIR-IHBT.
29. That the contractor shall deploy his persons in such a way that the persons get weekly rest. The working hours / leave for which the work is taken from them, do not violate relevant provisions of Shops and Establishment Act. The contractor shall in all dealings with the persons in his employment have due regard to all recognized festivals, days of rest and religious or other customs. In the event of the Contractor committing a default or breach of any of the provisions of the Labour Laws including the provisions of Contract Labour (Regulation and Abolition) Act, 1970, as amended from time to time or in furnishing any information, or submitting or filing any statement under the provisions of the said

regulations and rules which is materially incorrect, he shall without prejudice to any other liability pay to the Director of CSIR-IHBT.

30. The Contractor shall remove all workers deployed by him on termination of the contract or on expiry of the contract from the premises of the CSIR-IHBT and ensure that no such person shall create any disruption/hindrance/problem of any nature in CSIR-IHBT either explicitly or implicitly. They shall not be entitled to and will have no claim for any absorption in CSIR-IHBT.
31. The security money so deposited shall be liable to be forfeited or appropriated in the event of unsatisfactory performance of the Contractor and /or loss/ damage if any sustained by the Institute on account of the failure or negligence of the workers deployed by him or in the event of breach of the agreement by the Contractor.
32. The contractor shall keep the CSIR-IHBT indemnified against all claims whatsoever in respect of the employees deployed by the Contractor. In case any employee of the Contractor so deployed enters in dispute of any nature whatsoever it will be the primary responsibility of the Contractor to contest the same. In case CSIR is made party and is supposed to contest the case, the CSIR will be reimbursed for the actual expenses incurred towards counsel fee and other expenses which shall be paid in advance by the Contractor to CSIR on demand. Further, the Contractor shall ensure that no financial or any other liability comes on CSIR in this respect of any nature whatsoever and shall keep CSIR indemnified in this respect.
33. The contractor shall further keep the CSIR-IHBT indemnified against any loss to the CSIR-IHBT property and assets. The CSIR shall have further right to adjust and/or deduct any of the amounts as aforesaid from the payments due to the contractor under this contract.
34. The contractor will make first payment to the workers engaged by him for execution of the work and submit the bills for payment.

C. CSIR OBLIGATIONS:

7. That in consideration of the works executed / services rendered by the Contractor shall be paid on monthly basis for the monthly executed quantities of Job Contract in accordance with the rates quoted by him.
8. That the payment to the contractor as become payable, shall be made on production of the bill for the executed quantities of work duly certified by the Scientist-in-Charge of Division.
9. That payment on account of enhancement/escalation charges on account of revision in wages by the appropriate Govt. from time to time shall be payable by the CSIR-IHBT to the Contractor.
10. That the CSIR-IHBT shall reimburse the amount of service tax, if any, paid by the Contractor to the authorities on account of the services rendered by him. The reimbursement shall be admissible on production of proof of having deposited of the same by the Contractor.
11. The Director, CSIR-IHBT shall have further right to adjust and / or deduct any of the amounts as aforesaid from the payments made to the contractor under the contract.
12. The security money will be refunded to the Contractor within one month of the expiry of the contract only on the satisfactory completion of the contract.

E. PENALTIES/ LIABILITIES :

3. That the contractor shall be responsible for faithful compliance of the terms and conditions of this agreement. In the event of any breach of the agreement, the same may be terminated and the security deposit will be forfeited and further the work may be got done from another agency at his risk and cost.
4. That the Contractor violates any of the terms and conditions of this agreement or commits any fault or his services are not to the entire satisfaction of officer authorized by the Director of CSIR-IHBT in this behalf, a penalty leading to a deduction upto a maximum of 10% of the total amount of bill for a particular month will be imposed.

E. COMMENCEMENT AND TERMINATION :

3. The duration of the job contract will be for a period of **Twelve months**. This agreement may be extended on such terms and conditions as are mutually agreed upon.
4. That this contract may be terminated on any of the following contingencies:-
 - c) On the expiry of the contract period as stated above;
 - d) By giving on e month's notice by CSIR-IHBT on account of:
 - iii) committing breach by the Contractor of any of the terms and conditions of this agreement.
 - iv) assigning the contract or any part thereof to any sub Contractor by the Contractor without written permission of the CSIR-IHBT.
 - c) By giving three months notice by either party
 - d) On Contractor being declared insolvent by competent Court of Law.

During the notice period for termination of the contract, in the situation contemplated above, the contractor shall keep on discharging his duties as before till the expiry of notice period.

F. ARBITRATION:

5. In the event of any question, dispute / difference arising under the agreement or in connection therewith (except as to matters the decision of which is specifically provided under the terms and conditions) the same shall be referred to the Sole Arbitration to DG, CSIR or his nominee.
6. The award of the arbitrator shall be final and binding on the parties. In the event, the Arbitrator to whom the matter is originally referred to, is being transferred or has vacated his office or resigned or refused to work or neglect the work or being unable to act for any reason whatsoever, the Director General, CSIR shall appoint another person to act as an Arbitrator in place of the out-going Arbitrator in accordance with the terms and conditions of the agreement and the person, so appointed, shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.
7. The Arbitrator may give interim award(s) and / or directions, as may be required.
8. Subject to the aforesaid provisions, the Arbitration & Conciliation Act, 1996 and the rules made hereunder and any modification thereof from the time being in force shall be deemed to apply to the arbitration proceedings under this Clause.

IN WITNESS WHEREOF the parties hereto have signed these present on the date, month and year first above written.

(.....)
Govt. Contractor
.....
.....

(Alok Sharma)
For and on behalf of
Council of Scientific & Industrial Research
Anusandhan Bhawan, Rafi Marg, New Delhi,

WITNESS:

1. _____

2. _____

Counter Signature _____

List of documents to be attached, Mandatorily

- (1) Proof of Registration under the The Contract Labour (Regulation and Abolition) Act, 1970
- (2) Proof of Registration under the Employees' Provident Fund and Miscellaneous Provisions Act, 1952
- (3) Copy of the PAN Card and last year Income Tax return filed by the Agency/Contractor.
- (4) Copy of Service Tax Registration
- (5) Satisfactorily completion certificate of appropriate value of work and
- (6) Experience Certificate of having rendered similar work/operations.