



DEPARTMENT OF BOTANY  
UNIVERSITY OF RAJASTHAN  
J.L.N. Marg, Jaipur-302004  
(Rajasthan)

Bot/25/50

Date  
16/11/2025

Notice

Quotations are invited in the sealed envelope for following items (Primers/oligonucleotides/chemicals/consumables) under SERB-sponsored Project sanctioned to Dr. Indu Singh Sankhla (SUR/2022/001518) entitled "Assessment of molecular diversity and phylogeny of microsymbionts associated with *Zornia gibbosa* and *Tephrosia strigosa* in Aravali region", in the Department of Botany, University of Rajasthan, Jaipur. Please submit the quotations within seven days (from the date of this notice) in the office of the Department of Botany. This purchase is of below 1 lakh including taxes.

List of Primers/oligonucleotides:

S.No.	Name of primer	Sequence (5' - 3')	No. of nucleotides	Synthes is scale	Quantity
1.	18F	5'-AGAGTTTGATCCTGGCTCAG-3'	20	25 nmol	3
2.	1492R	5'-CTACGGCTACCTTGTTACG-3'	19	25 nmol	3
3.	1492P	5'-TACGGYTACCTTGTTACGACTT-3	22	25 nmol	1
4.	nodA1	5'-TGCRGTGGAARNTRNNCTGGGAAA-3'	24	25 nmol	2
5.	nodA2	5'-GGNCCGTCRTCRAAWGTCARGTA-3'	23	25 nmol	2
6.	nifHF	5'-TACGGNAARGGSGGNATCGGCAA-3'	23	25 nmol	2
7.	nifHI	5'-AGCATGTCTCSAGYTCNTCCA-3'	22	25 nmol	2
8.	recA-6F	5'-CGKCTSGTAGAGGAYAAATCGGTGGA-3'	26	25 nmol	2
9.	recA-555R	5'-CGRATCTGGTTGATGAAGATCACCAT-3'	26	25 nmol	2
10.	atpD-294 F	5'-ATCGGCGAGCCGGTCGACGA-3'	20	25 nmol	1
11.	atpD-771 R	5'-GCCGACACTTCCGAACCNGCCTG -3'	23	25 nmol	1
12.	GSII-1	5'-AACGCAGATCAAGGAATTTCG-3'	20	25 nmol	1
13.	GSII-2	5'-ATGCCCAGCCGTTCCAGTC-3'	20	25 nmol	1
14.	TSdnaK 2	5'-GTACATGGCCTCGCCGAGCTTCA-3'	23	25 nmol	1
15.	TSdnaK 3	5'-AAGGAGCAGCAGATCCGCATCCA-3'	23	25 nmol	1
16.	RPOI	5'-AATTTTCAAGCGTCGTGCCA-3'	20	25 nmol	2

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17.	<b>BOX-AIR</b>	5'-CTACGGCAAGGCGACGCTGACG-3'	22	25 nmol	2
18.	<b>ERIC 1R</b>	5'-ATGTAAGCTCCTGGGGAT-3'	18	25 nmol	1
19.	<b>ERIC 2</b>	5'-AAGTAAGTGACTGGGGGTGAGC-3'	22	25 nmol	1
		<b>Total Nucleotide</b>	<b>680</b>		

### Chemicals/consumables

S.N.	Name of chemical	Quantity
1	Taq DNA Polymerase (3 U/ $\mu$ l) (Includes Enzyme: 1 vial (1000U); 10X Taq Buffer B: 4 vials; 25 mM MgCl <sub>2</sub> : 4 vials)	6
2	dNTP Mix, 10 mM (2.5 mM each), 4X1000 $\mu$ l	2
3	Saturated Phenol (Tris-HCl), 60 ml	2
4	100 bp DNA Ladder Ready To Use (100 loads), 50 $\mu$ g; containing bromophenol blue as a tracking dye	1
5	500 bp DNA Ladder, Ready To Use, (100Loads), 50 $\mu$ g; containing bromophenol blue as a tracking dye	1
6	6X Gel Loading Buffer	3
7	Agar-Agar (500gm)	4
8	Mannitol (500gm)	2
9	Yeast Mannitol broth (500gm)	1
10	Restriction endonuclease EcoRI (2000U)	1

### Terms and Conditions:

1. All terms and conditions will be as per Rajasthan transparency in public procurement rule, 2013.
2. Last date for submission of quotation is 22 January 2025 at 2.00 pm.
3. Date of opening of quotation is 22 January 2025 at 2.30 pm
4. The rate are F.O.R. the respective Department of the University of Rajasthan Jaipur.
5. Firm should submit registration certificate, GST registration.
6. Preferred makes for Custom oligonucleotide synthesis Sigma/Eurofins/Genei/Thermo fisher/equivalent.
7. Preferred makes for chemicals/consumables Sigma/Promega/Genei/Thermo fisher/Invitrogen/equivalent.
8. Supply period will be within 20 days.

Dr Indu Singh Sankhla  
(Principal Investigator)  
(SUR/2022/001518)

**Dr. Indu Singh Sankhla**  
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Head, Department of Botany

**HEAD**  
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