



**REGIONAL PLANT RESOURCE CENTRE**  
**Nayapalli, Bhubaneswar – 751015.**

Advt. No.2852/RPRC

Date 15.12.2016

**Quotation Call Notice for Carrying Out ‘Bioinformatics Analysis of Orchid Genes’**

Sealed quotations are invited from reputed Organizations/Firms/Authorized Agents/ Distributors/Dealers engaged in Plant Genomics/Bioinformatics Work having valid VAT / CST/ SERVICE TAX registration for carrying the works of **‘Bioinformatics Analysis of Genes of *Denedrobium Sonia Orchid*’** The technical specifications, other terms and conditions and formats are available in the website [www.rprcbbsr.com](http://www.rprcbbsr.com), which can be downloaded for use. Interested firms may submit their quotation in sealed envelope superscribed **“Quotation for Bioinformatics Analysis of Orchid Genes”** through Speed Post/ Registered Post/Courier service. This can also be submitted directly at the office of RPRC and should reach the undersigned on or before **21<sup>st</sup> December, 2016 (5.00 PM)** positively. The quotations will be opened on **22<sup>nd</sup> December, 2016 (11AM)**. Incomplete quotation, documents received after the due date and time will not be considered. The undersigned reserves the right to reject any or all the quotations without assigning any reasons thereof.

-Sd-

**CHIEF EXECUTIVE**

## Terms and Conditions for Bioinformatics Analysis

1. The firms are required to elucidate the possible nucleotide sequence of the different genes of Dendrobium Orchid (Sonia). The names of the genes are enclosed at **Annexure I**. The firm need to use the information of different genome databases available and to finalise the nucleotide sequences using bioinformatics tools.
2. The quotation need to be prepared according to the format prepared (**Annexure-II**). In case of any clarification, responsibility lies with the firm to collect the same from the notice board/ website of RPRC before last date of submitting the document.
3. The last date of receipt of quotation documents in this office by Hand/Speed Post/ Registered Post/ Courier Service is **21<sup>st</sup> December, 2016 (up to 5.00 PM)**. The quotations will be opened by the Tender Committee of RPRC on **22<sup>nd</sup> December, 2016 (at 11.00 AM)** in presence of the authorized representatives of the firms who like to be present at that time.
4. Total Quoted Price should be based on **INR**. Price should be mentioned with all breaks up prices against all taxes.
5. The rates quoted by the quotation shall be valid for a period of 90 days from the date of submission of quotation.
6. The work need to be carried out within fifteen days upon receipt of the order.
7. **Eligibility Criteria**
  - a) Submission of price (INR) as per prescribed format.
  - b) Copy of VAT/CST/SERVICE TAX registration certificate and up to date clearance certificate.
  - c) Alternative price for any item will not be allowed, for which Quotation would be rejected.
  - d) Copy of PAN to be submitted.
  - e) Copy of recent past performance (certificate/relevant doc.)

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**(Chief Executive)**

**Regional Plant Resource Centre  
Bhubaneswar**

## ANNEXURE I

SL. No.	Gene name	Arabidopsis Accession No.	Maize Accession No.	Rice Accession No.	Orchid Accession No.	Dendrobium catenatum Accession no.
1.	Actin 1 (ACT 1)	AT2G37620	-	Os03g0718100	JN185655	?
2.	Actin 2 (ACT 2)	AT3G18780	-	Os10g0510000	JN185656	?
3.	Actin 3 (ACT 3)	AT3G53750	-	Os03g0836000	JN185657	?
4.	Actin 4 (ACT 4)	AT5G59370	-	-	JN185658	?
5.	Actin 5 (ACT 5)	-	-	-	JN185659	?
6.	Actin 7 (ACT 7)	AT5G09810	-	Os11g0163100	-	
7.	Ubiquitin 1 (UBQ 1)	AT2G30110	-	Os01g0962400	KC153046	?
8.	Ubiquitin 2 (UBQ 2)	AT5G06460	-	-	KC153047	?
9.	Ubiquitin 3 (UBQ 3)	AT5G03240	-	-	-	?
10.	$\alpha$ - Tubulin (TUA)	AT1G04820	-	Os07g0574800	JN185664	?
11.	$\beta$ – Tubulin (TUB)	AT1G75780	-	Os03g0661300	JN185665	?
12.	Elongation factor 1 alpha (EF1 $\alpha$ )	AT5G60390	-	Os03g0177400	KC153045	?
13.	Elongation factor 1 alpha (EF1 $\beta$ )	AT5G12110	-	Os07g0662500	-	?
14.	18S ribosomal RNA (18 S)	AT3G41768	-	M26461	JN215466	?
15.	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH)	AT1G13440	-	Os02g0171100	JN185660	?
16.	MADS1	AT3G31902	-	-	JQ065097	?
17.	Rootless with undetectable meristem1 ( rum1)	-	GRMZM2G037368	-	-	?
18.	cAP2-EREBP-transcription factor 206 (ereb206)	-	GRMZM2G366434	-	AGI62037	?
19.	Heat shock	-	GRMZM2G139082	-	AGI62044	?

	Complementing factor 1 (hscf1)					
20.	Auxin import carrier 1 (aic1)	-	GRMZM2G129413	-	AGA83664	?
21.	NAC transcription for 36 (nactf36)	-	GRMZM2G081930	-	-	?
22.	NAC transcription for 1 (nactf 1)	-	-	-	AGR91634	?
23.	Rootless concerning crown and seminal roots 1 (Rtcs 1)	-	GRMZM2G092542	-	-	?
24.	Wuschel Related Homeobox 5 (WOX5)	AT3G11260	-	-	AJS13463	?
25.	Wuschel Related Homeobox 11 (WOX11)	AT3G03660	-	-	-	?
26.	Plethora 1(PLT1)	AT3G20840	-	-	AGI62037	?
27.	Plethora 1 (PLT2)	AT1G51190	-	-	-	?
28.	Solitary root (SLR)	AT4G14550	-	-	-	?
29.	Auxin Response factor 6 (ARF6)	AT1G30330	-	-	-	?
30.	Auxin Response factor 7 (ARF7)	AT5G20730	-	-	-	?
31.	Auxin Response factor 8 (ARF8)	AT5G37020	-	-	-	?
32.	Auxin Response factor 19 (ARF19)	AT1G19220	-	-	-	?
33.	MADS-BOX Protein 7	-	-	-	ADJ67239	?
34.	MADS-BOX Protein 3	-	-	-	AHM92079	?
35.	MADS-BOX Protein 18	-	-	-	AHM92094	?

36.	Gigantea (GI)	AT1G22770	-	Os01g0182600	ADP92454	?
37.	Constans (CO)	AT5G15840	-	-	ADN97077	?
			-	Os02g0178100	AEE65453	?
38.	Flowering locus T (FT)	AT1G65480	-	-	ADI58462	?
			-	-	ADW76861	?
39.	Short Vegetative Phase (SVP)	AT2G22540	-	-	-	?
40.	Phycobilin B (PhyB)	AT2G18790	-	-	-	?
41.	Elongated hypocotyl 5 (Hy5)	AT5G11260	-	-	-	?
42.	S-locus Cysteine-rich proteins (SCR)	AT3G54220	-	-	-	?
43.	Lateral suppressor protein	-	-	-	AIR77102	?
44.	PHYTOCHROME	AT1G25540	-	-	AKN34490	?
			-	-	AKN34482	?
45.	PHYTOCHROME A	AT1G09570	-	-	AAR02191	?
46.	SHORT- ROOT (SHR)	AT4G37650	-	-	-	?
47.	CRYPTOCHROME 2	AT1G04400		Os02g0573200	-	?
48.	CRYPTOCHROME 1	AT4G08920	-	Os02g0625000	-	?
49.	CYTOCHROME b5	AT5G17770	-	Os05g0108800	-	?
50.	CRYPTOCHROME-INTERACTING bHLH (CIB)	AT4G34530	-	-	-	?
51.	PHYTOCHROME INTERACTING FACTOR 4 (PIF-4)	AT2G43010	-	-	-	?

52.	Flowering Locus C(FLC)	AT5G10140	-	-	-	?
53.	TEM1)	AT1G26360	-	-	-	?
54.	SMZ)	AT3G49530	-	-	-	?
55.	Like heterochromatin protein (LHP1)	AT5G17690	-	-	-	?
56.	CURLY LEAF (CLF)	AT2G23380	-	-	-	?
57.	Vernalization5/VIN3-LIKE1 (VEL 1)	AT4G30200	-	-	-	?
58.		AT4G31160	-	-	-	?

**Annexure – II**

To  
The Chief Executive  
Regional Plant Resource Centre  
Nayapalli  
Bhubaneswar – 751015

Dear Sir,

**Sub : Quotation for Bioinformatics Analysis**

Herewith we are submitting our quotation for bioinformatics analysis.

<b>SL. NO.</b>	<b>DESCRIPTION OF WORK</b>	<b>BASIC PRICE In Rs.</b>
01	Bioinformatics analysis of <i>Dendrobium</i> Sonia	

N.B. The admissible tax may be submitted separately.

**Terms and Conditions:**

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Yours faithfully