



**STATE MINISTRY OF COMPANY ESTATE REFORMS, TEA AND RUBBER  
ESTATES RELATED CROPS CULTIVATION AND FACTORIES  
MODERNIZATION AND TEA AND RUBBER EXPORT PROMOTION  
RUBBER RESEARCH INSTITUTE OF SRI LANKA**



RRISL/PRO/GPB/SP/2021 (04)

19.03.2021

**PROCUREMENT NOTICE**

**ASSIGNING PROJECT WORKS ON CONTRACT BASIS**

Proposals are hereby invited from qualified personnel for fulfillment of below activities under Screening of Drought / Stress Tolerant Hevea Clones for Sustainable Rubber Cultivation in Marginal Areas (016-A) special project under Genetics and Plant Breeding Department of Rubber Research Institute of Sri Lanka.

No of Applicants : Research Assistants	01	
Duty List		
	Task	Description
	1. Primer Synthesis	Design 10 primers and check the alternatives and accuracy
	2. Collecting preliminary stress data	Implementation of water stress on 20 poly bag plants and for 2 months period. (February – March)
	3. Prepare the chemical consumable estimates	Required for first year Lab process
	4. Collecting photo synthesis/chlorophyll control/soil moisture leaf area.	All 20 pre testing plant for February – April period (with two replicates each)
	5. RNA extraction & cDNA synthesis	20 plants (planned on April)

	<p>6. Pre testing of gene expression</p> <p>7. Select suitable primers</p> <p>8. Implementation of water stress first batch of on experimental plant/collect all physiological data</p> <p>9. RNA extraction cDNA synthesis gene expression</p> <p>10. Data collection &amp; analysis</p> <p><u>2<sup>nd</sup> batch</u> – next 5 clones</p> <p>1. Implementation of water stress first batch of on experimental plant/collect all physiological data</p> <p>2. RNA extraction cDNA synthesis gene expression</p> <p>3. Data collection &amp; analysis</p>	<p>20 samples after implementation of stress (expect on May)</p> <p>Select best 10 primers</p> <p>(Planned on June onwards) 5clones (10 replicates) – 2 cycles (each 15 days) continuously</p> <p>50 samples/10genes two replicates in each operation</p> <p>quantification &amp; level at gene expression in 5 clones with 10 genes.</p> <p>Planted on (Sept: - Dec:)</p> <p>Planned on June onwards) 5clones (10 replicates) – 2 cycles (each 15 days) continuously</p> <p>50 samples/10genes two replicates in each operation</p> <p>Quantification &amp; level at gene expression in 5 clones with 10 genes.</p>
	Condition – Work at laboratory & field if required even in holidays (only in special condition)	
Qualifications	Bachelor of Science in Agriculture Degree (Specialized in molecular biology)	
Experience	Having experience in quantitative gene expression studies including RNA extraction cDNA synthesis implement of stress etc.	
Period	One Year	

No of Applicants : Technical Assistants	01		
Duty List		Task	Description
		1. Polard/budwood nursery and preparation of bud woods  2. Establish seedling nursery  3. Bud grafting  4. Arrange plants for field planting  5. Fertilizer application and fungicide application arrange field planting	20 replicates 12 clones  Around 2000 seedlings  One tapping task (250 plants/ each clone) (15 plants from 10 clones for rain protected home)  Selected 5 fields  Around 1500 plants
Qualifications	Minimum Advance Level (Bio Science) Pass (S) three subject.		
Experience	Experience in field work.		
Period	One Year		

Sealed proposals furnishing the information required should reach the Director, Rubber Research Institute of Sri Lanka, Dartonfield, Agalawatta under registered post or should be placed into the box available in the Procurement Unit at the same address. **Otherwise they will be rejected.**

The envelope containing the proposal should bear the words **“Assigning Proejct Works – GPB”** in its top left corner. Bids close at 10.30 am on 01.04.2021..(Thursday) and they will be opened immediately after the closing time on the same day at Dartonfield, Agalawatte. The decision of the Procurement Committee will be final and definite.

Note that due to the worldwide Covid 19 pandemic situation, bidders or their representative are requested not to participate in the bid opening as a health precaution.

**Chairman**  
**Departmental Procurement Committee (Minor)**  
**Rubber Research Institute of Sri Lanka**  
**Dartonfield, Agalawatte**