ಶಿವಮೊಗ್ಗ ಸ್ಮಾರ್ಟ್ ಸಿಟಿ ಲಿಮಿಟೆಡ್
ನೊಂದಾಯಿತ ಕಛೇರಿ: ೧ನೇ ಮಹಡಿ, ಪಾಲಿಕೆ ಕಟ್ಟಡ ಬ್ಲಾಕ್,
ಎಸ್.ಎನ್ ಮಾರ್ಕೆಟ್, ನೆಹರು ರಸ್ತೆ, ಶಿವಮೊಗ್ಗ-577201

SHIVAMOGGA SMART CITY LIMITED
Regd Office: 1st Floor, Corporation Building block,
SN Market, Nehru Road, Shivamogga – 577201

CIN: U74999KA2017PLC100268, GSTIN: 29AAYCS3808B1Z0, PAN: AAYCS3808B, TAN: BLRS63059D
Web: http://shivamoggasmartcity.co.in/ E-mail: shimogasmartcity@gmail.com Phone No: 08182-279951

No: SSCL/VDL/PROC/2021-22

Date:30-07-2021

Notification

Shivamogga Smart city Limited has envisaged to take up the Procurement of Automatic nucleic Acid Extractor (RNA/DNA)for VDL.As the Components are special in nature and not available in any schedule of Rates, Shivamogga Smart city Limited invites quotations from the prospective vendor for the following components which essentially form part of the Automatic nucleic Acid Extractor (RNA/DNA)for VDL. The details & specification of the components are published in www.shivamoggasmartcity.co.in. The Interested vendors may submit their quotes for the following components on or before07.08.2021 to shivamoggasmartcity@gmail.com/pc.sscltd@gmail.com or the quotations may directly be submitted at SSCL's Office. The detailed specifications of the below components for which quotations are invited attached as Annexure-A .

Components:-

SL NO	Description	Unit	Qty	Price
1	**Automatic nucleic Acid Extractor**	**Nos**	**1**	
2	**Testing Kits**	**Nos**	**5000**	

Managing Director
Shivamogga Smart City Limited
Shivamogga

Annexure-A

1. Automatic nucleic Acid **Extractor Specifications**

- Equipment should have Screen operation- Large and full-color touch screen, easy to use.
- Equipment should have Precise control- Built-in engineering computer, space, and energy saving.
- Comes with the automated control system with high stability.
- Equipment should have Temperature control- The lysis and elution temperature can be customized according to the actual needs.
- Equipment should have Free editing- The powerful program editing function defines your applications flexibly and efficiently to meet the requirements of various reagents.
- Equipment should have Fast extraction- Short operating time, 30-60 min/time. Able to extract 32 samples simultaneously each time.
- Equipment should have High purity and high yield- The extraction scheme, coordinated with precise incubation time, can be optimized according to the specific reagent, and therefore achieving a higher extraction efficiency. The extracted DNA/RNA has high purity, and can be used for PCR and RT-PCR directly.
- Equipment should be Stable and reliable- Avoids discrepancies and errors caused by manual operation. The results are stable and with good repeatability.
- Equipment should have Self-cleaning- Built-in disinfection function supports timing UV disinfection.
- Equipment should have Contamination control- With precise motion control, disposable materials, self-cleaning and other methods, the contamination between wells and between batches are strictly controlled to avoid cross-contamination.
- Equipment should be Open reagent- Supports various magnetic bead based nucleic acid extracting reagents.
- Equipment should have Safe and reliable- Automatically locked door to ensure safe operation.
- Closed testing chamber and disposable materials ensure minimal contact between operators and reagents. Smart operation system prevents operators from harmful substance.
- Equipment should have Processing volume 20uL-1000ul
- Equipment should have throughput of 32 samples at a time
- Magnetic bead recovery rate ≥95%

- Type of the plate 96-well deep-well plate

- Equipment should have Extraction sensitivity 102 copy/ml the positive detecting rate of sample>95% Repeatability CV≤10% Magnetic bar 32 Heating temperature Optional heating modules: lysis heating module (room temperatures to 75°C) and elution heating module (room temperatures to 75°C)

- Equipment should have Oscillation mixing Multiple modes and speeds
- Equipment should have Size of the magnetic bead >1um
- Equipment should have Types of reagents Magnetic bead based open reagents
- Equipment should have Operation screen Large and full-color LCD touch screen
- Equipment should have Internal programs Built-in15 groups of mode programs (>500 groups of programs can be stored)
- Equipment should have Program management Create, edit, delete mode programs
- Equipment should have Ultraviolet irradiation Yes
- Equipment should have Operating time 30-60 min/time
- Equipment should have Network control Can extend the Ethernet remote control
- Equipment should have 32 samples processing simultaneously.
- Equipment should have maximum temperature setting should be 99 degree centigrade
- Equipment should have mixing steps should be 30 steps
- Equipment should have any modification should be password protected

2.Testing Kits