

## Annexure - II

### Questionnaire

<b>Immersion type level sensor specification</b>	<b>Employer's requirement</b>	<b>Bidder's Response</b>
Brand / model		
Country of Manufacture		
Measuring Range	0.000mm-2500mm	
Operating Temperature Range	-30 °C ~ 80 °C	
Accuracy	± 1mm	
Protection Grade	IP68	
Operating Voltage	12-24V DC	
Signal output	RS485	
Sensor body material	304 SS	
Sensor cable material	Suitable for Diesel/Gasoline	
Level logging frequency	5 minutes	
Lightning protection	Shall be protected	
Warranty (shall cover lightning damages)	3 years	

<b>Turbine type fuel flowmeter specification</b>	<b>Employer's requirement</b>	<b>Bidder's Response</b>
Make (internationally reputed brand)		
Model		
Resolution	0.2mm	
Accuracy	± 0.5%	
Range (Liter/minute)	66 l/m to 666 l/m	
Wetted components - Housing	304 Stainless Steel	
Bearing and shaft	Tungsten Carbide	
Rotor	2Cr13 Stainless Steel	
Retaking Rings	316 Stainless Steel	
Operating temperature	0 - 55° C	
Operating pressure	1 – 25 Bar	
Factory calibration certificate	Required	
Warranty	3 years comprehensive	

<b>Data logger specification</b>	<b>Employer's requirement</b>	<b>Bidder's Response</b>
Make		
Model		
Country of Origin		
Whether Real Time Clock available	Required	
Data storage capacity (No. of timed events)	500,000 or higher	
Data retention time	10 years	
Support for cellular network,	3G/4G	
Server and system configuration at site	wifi / Blue tooth	

System configuration remotely configure from Irrigation Department head office	Password based SMS with confirmation reply	
Support for three or more independent data server upload.	Server 1: Existing system Server 2: HTTP Post Server 3: Recovery /backup	
Support for IP and DNS	Support for two IP addresses and URL	
Should be supported Over the Air (OTA) configuration, firmware upgrade and data down load facility	Required	
Physical connector types	Water proof, military specified aviation connectors	
Internal rechargeable battery	Should be available	
Operation time with fully charged internal battery	Battery capacity should be capable of minimum 14 days operation without external power	
Is the battery replaceable?	Should be replaceable in the field	
Communication module brand and model	Please give details	
Battery Voltage / Capacity	Please give details	
The modem type should be approved in TRC Sri Lanka – please provide details and copy of vendor license	Required	
Antenna	Provisions should be available to connect external antenna	
Modem IMEI number should be registered with TRCSL	Required	
Dimensions of the data logger	Please give details	
SIM card should be replaceable in the field	Required	
Design life the data logger	10 years	
Sample unit should be submitted along with the bid	Required	
Warranty	3 years comprehensive	
Manufactures Authorization Letter	Required	

<b>HMI / POS specification</b>	<b>Employer's requirement</b>	<b>Bidder's Response</b>
<b>Make</b>		
<b>Model</b>		
<b>Country of Origin</b>		
<b>Display Size</b>	10.1" TFT	
<b>Resolution</b>	1024*600 pixels	
<b>Backlight</b>	LED	

<b>Touch panel</b>	4-wire resistive panel	
<b>Supply Voltage</b>	230V AC	
<b>Interface</b>	USB/Serial	
<b>Working Temperature</b>	0~50°C	
Warranty	3 years comprehensive	

<b>Dot Matrix Printer</b>	<b>Employer's requirement</b>	<b>Bidder's Response</b>
<b>Make</b>		
<b>Model</b>		
<b>Country of Origin</b>		
<b>Printing Method</b>	Direct thermal	
<b>Paper width</b>	75mm or higher	
<b>Interface</b>	USB/Serial	
<b>Working Temperature</b>	0~50°C	
<b>Power</b>	AC 230V	
Warranty	1 year comprehensive	

<b>Solar Panel for Radar and Rain gauge station</b>		
Make / Model		
Country of Manufacture		
Max Power (Pm)		
Maximum Power Voltage (Vpm)		
Maximum Power Current (Ipm)		
Warranty period	10 Years	

<b>Details of agent in Sri Lanka for repair and maintenance</b>		
Name Address Contact No.		
Floor Area of repair work shop		
Provide details of staff available with qualifications (Attach the details)		
Provide details of the test instrument available at the repair shop.		
Provide details of clients for whom similar services were provided.		

