

4745-26790-Upgradation & Repair of Water Filtration Plants (D-Block,N-Block), CUI-Lahore Campus			
Sr. #	Descriptions of Item / work	Unit	Qty
1	Supply, installation, replacement, testing and commissioning of the following items, complete in all respects, including removal of existing defective components, fittings, connections, labour and accessories as required according to PCRWR Standards. Warranty: All materials shall carry a 6 month		
i	Centrifugal Feed Pump: Suitable pump, 60–100 PSI, complete with motor, base, fittings and accessories.(Grundfos or equivalent).	Each	2
ii	FRP Filter Housing: Pressure vessel suitable for 500–2,000 LPH, complete with internal fittings and replacement/removal of existing vessel.(Pentair/Runxin or equivalent).	Each	1
iii	Chemical Dosing Pump: 2–6 LPH capacity, complete with fittings and accessories. (SEKO or equivalent).	Each	1
iv	Chemical Dosing Tank: HDPE tank, 50–75 litre capacity, complete with lid, connections and fittings.(Pak-Plast/Master or equivalent).	Each	1
v	Digital TDS Meter: Complete with probe, display and connection to control panel (HM Digital/Hanna or equivalent).	Each	2
vi	Automatic Control Panel: Powder-coated MS 16 swg enclosure complete with MCB/MCCB, contactors, overload relays, indicators and required control components. (Schneider/ABB or equivalent).	Each	2
vii	Filter Media: Sand, activated carbon and arsenic for existing vessels, including removal, loading and commissioning (Purolite or equivalent.)	Job	2
viii	Gate Valves: UPVC/metal gate valves, 32–40 mm, complete with fittings.(Bray or equivalent).	Each	1
ix	UPVC Piping & Fittings: replacement of required UPVC Schedule 80 piping, elbows, tees, unions, reducers and accessories (Astral or equivalent).	Job	2
x	Pressure Gauges: Mechanical dial type, suitable up to 350 PSI (24 bar), complete with fittings.(WIKA or equivalent).	Each	5
xi	RO Membrane: Industrial 4 × 40 (TW30-4040), without casing, including removal of existing membrane and commissioning. (DuPont FilmTec/DOW or equivalent).	Each	2
xii	Float Valve: Heavy duty 1 inch–2 inch float valve, complete with fittings.(Watts or equivalent).	Each	2
xiii	UV Sterilization Unit: Complete with UV chamber, lamp, ballast/driver, adaptor and necessary accessories. (Trojan/Wedeco or equivalent).	Each	2

xiv	Flow Meter: installation, testing and commissioning of 5 GPM flow meter (Rotameter), suitable for water filtration/RO plant, complete with graduated transparent tube, float, isolation valve and required fittings (LZS, or equivalent).	Each	2
xv	Filter jug with Cartridge 19 inch: PPF 0.3 micron,CTO 5 micron ,UDF Carbon (Aqua Thailand or equivalent) complete fitting in all respct.	Set	2
xvi	Multi-Port Valve: Heavy duty 1 inch–2 inch (MPV), complete with fittings.	Each	1
xvii	SS Skid Structure: fabrication and installation of skid mounted support structure for water filtration/RO plant, fabricated from SS-304 grade stainless steel hollow sections/angles, adequately sized for equipment load, with welded joints, adjustable leveling feet, base plates and necessary fasteners.	Job	1
xviii	Providing services for repair and maintenance of the high pressure pump, including dismantling, inspection, servicing, reassembly, testing, and replacement of all required defective/worn-out parts, complete in all respects	Job	1
Bidders must quote all above items with quality / standard quoted model brands, the LoA / Purchase Order shall be awarded on Pack wise / turnkey basis.			
CUI-Lahore Campus will retain 5% of the total value complete job. The retained amount will be released after the warranty period (mentioned in BoQs) subject to a satisfactory report by the end user. The warranty period will be counted from the date of completion of job.			