

6. Bill of Quantity**Rainwater Harvesting System Near Powerhouse IBA Main Campus**

B.O.Q Item	Description	Unit	Quantity	Rate	Amount
A	RAW RAIN WATER COLLECTION CHAMBER (INNER SIZE) 1MX1 MX1M 4NOS				
1	Providing and making 1mx1mx1m rain water Collection chamber comprising of 6" thick block masonry 1:4CSM (Min. Compressive strength 1000 Psi with 6" thick 1:4:8 with 1:4 CSM 3/4" thick plaster both internal & external side with grating cover using 1-1/2"x1-1/2"with 1/8" thick MS angle grating frame and 1"/2x1/2" MS sq bar grating 1/8" thick weld with 1" wide 1/8" thick MS flat with 2 coat primer and enamel paint in approved shade. The rate is inclusive of excavation and back filling /removal of surplus earth complete as per drawing and direction. The rate is also inclusive of Rainwater 4" dia UPVC class B pipe from Catchment area, UPVC Class B 4"dia over flow pipe and clean water pipe to recharge well Class B 4" dia UPVC pipe as per drawing & direction.	Each	4.00		
2	FILTRATION CHAMBER 1.5 M X1.5MX1M				
	Providing and making 1.5mx1.5mx1.2m rain water comprising chamber comprising of 6" thick block masonry 1:4CSM (Min. Compressive strength 1000 Psi with 6" thick 1:4:8 with 1:4 CSM 3/4" thick plaster both internal & external side and chamber filled with 1" down gravel min. 800mm thick with grating cover using 0.25" sq mesh of 1/8" MS angle grating frame and 1"/2x1/2" MS sq bar grating 1/8" thick weld with 1" wide 1/8" thick MS flat with 2 coat primer and enamel paint in approved shade with RCC cover frame with 2'-0"x2'-0" opening with RCC cover. The rate is inclusive of excavation and back filling /removal of surplus earth complete as per drawing and direction. The rate is also inclusive of Rainwater 4" dia UPVC class B pipe from Catchment area, UPVC Class B 4"dia over flow pipe and clean water pipe to recharge well Class B 4" dia UPVC pipe as per drawing & direction.	Each	4.00		

450000/- 1800000/-

550000/- 2200000/-

4/11/21



3	RECHARGE WELL 2 NOS				
a	Drilling of bore for tube well including reaming of borehole by Percussion Or Rotary drilling in all types of soil including shingle, gravel and rock from ground Level up to 900ft depth including sinking and withdrawing casing pipe & disposal of excavated material and sludge as per direction within premises . Bore external dia Min 12" (300mm) inner dia. Rate is inclusive of all material, tools & plants, transportation, installation at site and its removal after completion of job. QTY FOR ONE 160 RFT FOR 2 NOS = 320 RFT	RFT	320.00	1350/-	432000/-
b	Providing and Installing uPVC Strainer pipe ILL, Dadex ,Pak Arab or equivalent make registered with PSQCA for tube well bore hole. Class B Size 6" (150 mm) dia. Rate is inclusive of all type of labour, material, fitting & jointing solution etc. QTY FOR ONE 140 RFT FOR 2 NOS = 280 RFT	RFT	280.00	420/-	117,600/-
c	Providing and Installing uPVC Blind pipe ILL, Pak Arab, Dadex or equivalent Class C 6" (200 mm) dia QTY FOR ONE 60 RFT FOR 2 NOS = 120 RFT	RFT	120.00	400/-	48000/-
d	Providing and installing uPVC fittings, elbow, bends tees, valves etc requires as per site conditions of approved make registered with PSQCA as per drawing & design.	Job	2.00	15000/-	30000/-
e	Shrouding with graded pea gravel 3/8" to 1/8" (10 mm to 3mm) QTY FOR ONE BORE 150 CFT FOR 2 NOS 300 CFT	CFT	300.00	13333	40000/-
f	Providing & fixing 3'-0" RCC well casing with open jointing as per drawing over bore well including UPVC Class B pipe 4" dia, vent pipe and overflow pipe including excavation and disposal of excavated earth as per drawing.	Job	2.00	25000/-	50000/-
4	ROAD CROSSING & GRATING				
	Providing & installing in position 130mm wide UPVC grating with frame heavy vehicular type confirming EN 1433 including road cutting making UPVC drain and repairing of road including removal of debris from site complete.	RFT	90.00	2500/-	225000/-
5	UPVC MAN HOLE COVER				
	Providing & fixing in position UPVC man hole cover vehicl type heavy duty 450x450mm in position with frame	Each	6.00	5000/-	30000/-

6	UPVC PIPE CLASS B IN TRENCH				
	Providing and laying in position UPVC class B 100 mm ID including all fittings and jointing complete in trench in position including excavation in any type of soil as per drawing & design complete including back filling and removal of surplus earth as per direction	Rft	120.00	500/-	60000/-
TOTAL AMOUNT OF THE WORK			PKR	1,432,600/-	
SRB 8%			PKR	114,608	
TOTAL AMOUNT INCLUDING SRB			PKR	1,547,208	

Grand Total Amount Rupees in Words: Rs. One million five lac forty
seven Thousand two hundred and eight rupees only.

