

University of Kerala
Engineering Unit, Kariavattom

TENDER SCHEDULE OF THE IMPLEMENTATION OF RAIN WATER HARVESTING SYSTEM - CONSTRUCTION OF RAIN WATER RE-CHARGE PITS AT SENATE HOUSE CAMPUS.

Sl.No.	Quantity	Specification	Unit	Rate	Rate in words	Amount
1	23.04	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5m in width as well as 10 sqm on plan including disposal of excavated earth up to 50 m and lift up to 1.5 m, disposed soil to be levelled and neatly dressed: All Kinds of soil	sqm	73.1	Rs. Seventy three and ps.ten only	1684.22
2	16.875	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil	cum	173.72	Rs. One hundred and Seventy three and ps.seventy two only	2931.53
3	11.25	Extra for every additional lift 1.5 m or part there of in excavation / banking excavated or stacked materials. All kinds of soil	cum	71.38	Rs. Seventy one and ps.thirty eight only	803.03
4	5.40	Supplying and filling 20 mm nominal size broken stone in trenches and leveling the top surface	cum	2838.48	Rs. Two thousand eight hundred and thirty eight and ps.thirty eight only	15327.79
5	4.05	Supplying and filling 40 mm nominal size broken stone in trenches and leveling the top surface	cum	2772.82	Rs. Two thousand seven hundred and seventy two and ps.eighty two only	11229.92
6	4.05	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer -in- charge	cum	1271.58	Rs. one thousand two hundred and seventy one and ps. Fifty eight only	5149.90
7	8.05	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer -in-Charge	cum	1431.78	Rs. one thousand four hundred and thirty one and ps. seventy eight only	11525.83

8	4.05	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer -in-Charge	cum	1431.78	Rs. one thousand four hundred and thirty one and ps. seventy eight only	5798.71
9	38.40	Brick edging 7 cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand)	m	54.07	Rs. Fifty four and ps. Seven only	2076.29
10	60.00	Providing and fixing PVC pipes includes joints of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in CHarge. 110 mm dia 4 Kg/cm	m	387.7	Rs. Three hundred and eighty seven and ps. Seventy only	23262.00
11	8.00	Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia Elbow	E	102.5	Rs. One hundred and two and ps. fifty only	820.00
12	8.00	Providing and fixing PVC moulded fittings / accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia 45 degree Elbow	E	100.2	Rs. One hundred and ps. twenty only	801.60
13	4.00	Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement- 110 mm dia Bend	E	155.95	Rs. One hundred and fifty five and ps. Ninety five only	623.80
14	14.04	Rough dressing the trenched ground including breaking clods.	sqm	1.24	Rs. One and ps. Twenty four only	17.41
15	14.04	Grassing with selection No. 1 grass including watering and maintenance of the lawn for 60 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed (the grass and good earth shall be paid for separately). In rows 5 cm apart in both directions	sqm	14.34	Rs. Forteen and ps. Thirty four only	201.33
16	14.04	Providing & laying Selection no. 1 grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with tools wooden and than rolling the surface with light roller make the surface smoothen and light watering the same, with sprinkler and maintenance for 30 days or more till the grass established properly as per direction of officer in charge	sqm	106.21	Rs. One hundred and six ps. Twenty one only	1491.19

17	160.00	Item Shifted to head 14 as item 14.74 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	118.55	Rs. One hundred and eighteen and ps. Fifty five only	18968.00
18	51.36	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. including 62x19 mm beading of second class teak wood and priming coat with approved steel primer all complete.	sqm	1453.78	Rs. One thousand four hundred and fifty three and ps. Seventy eight only	74666.14
19	77.04	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new wo	sqm	108.14	Rs. One hundred and eight and ps. fourteen only	8331.11

20	0.641	Manufacturing, supplying and fixing retro reflective overhead signage boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity and encapsulated lens type heat activated retro reflective sheeting conforming to type - III of ASTM-D-4956-01 as approved by Engineer-in-Charge, letters, borders etc. as per IRC: 67-2001 in silver white with blue colour back ground and with high intensity grade, pasted on substrate by pressure sensitive adhesive backing which shall be activated by applying pressure conforming to class II of ASTM -D-4956-01 and fixing the same to the plate of structural frame work by means of suitable sized aluminium alloys, rivets or bolts & nuts @ 300 mm centre to centre all along the periphery as well as in two vertical rows along with theft resistant measures, including the cost of painting with two or more coats of epoxy paint in grey colour on the back side of aluminium sheet including appropriate priming coat. The rate includes the cost of rounding off the corners, lowering down the structural frame work from the gantry, fixing and erecting the same in position all complete as per drawings, specification and direction of the Engineer-in-Charges. (Structural frame work including M.S. plate to be provided separately. Rectangular area of the sheet only shall be measured for payment). Overhead informatory road signage	sqm	6513.33	Rs. Six thousand five hundred and thirteen and ps. Thirty three only	4175.04
TOTAL						189884.83

PAC Rs.1,89,885/- (Rupees One lakh eighty nine thousand eight hundred & eighty five only)

1. I/We agreed to execute the work.

2.% above the estimate rate.

2.% below the estimate rate.

3. At the estimate rate.

sd/

CONTRACTOR

UN UNIVERSITY ENGINEER