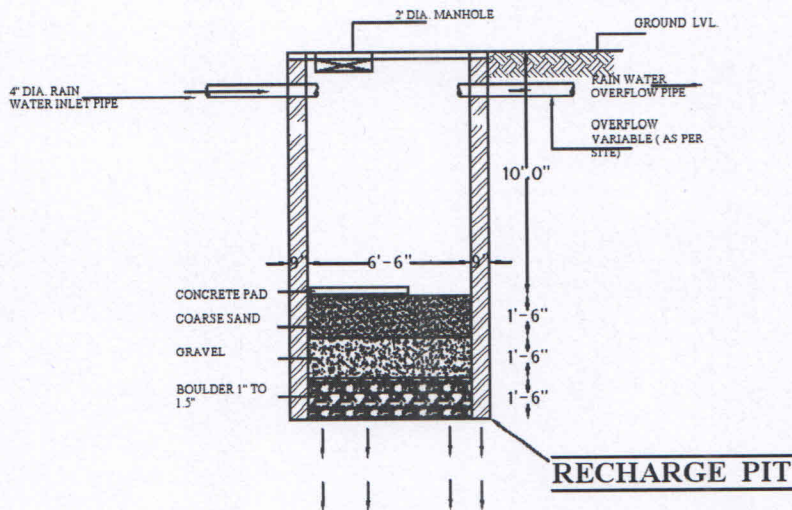
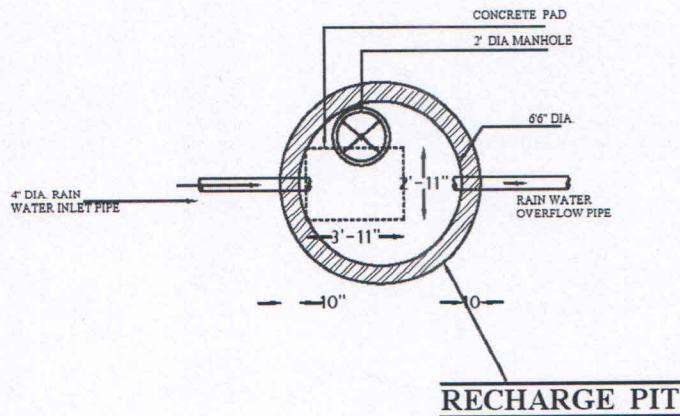


**RANCHI MUNICIPAL CORPORATION, RANCHI**

**LINE PLAN FOR CONSTRUCTION OF RAIN WATER HARVESTING UNIT**

- FOR PLOT SIZE BELOW 3000 SQ. Ft.



31/5/15

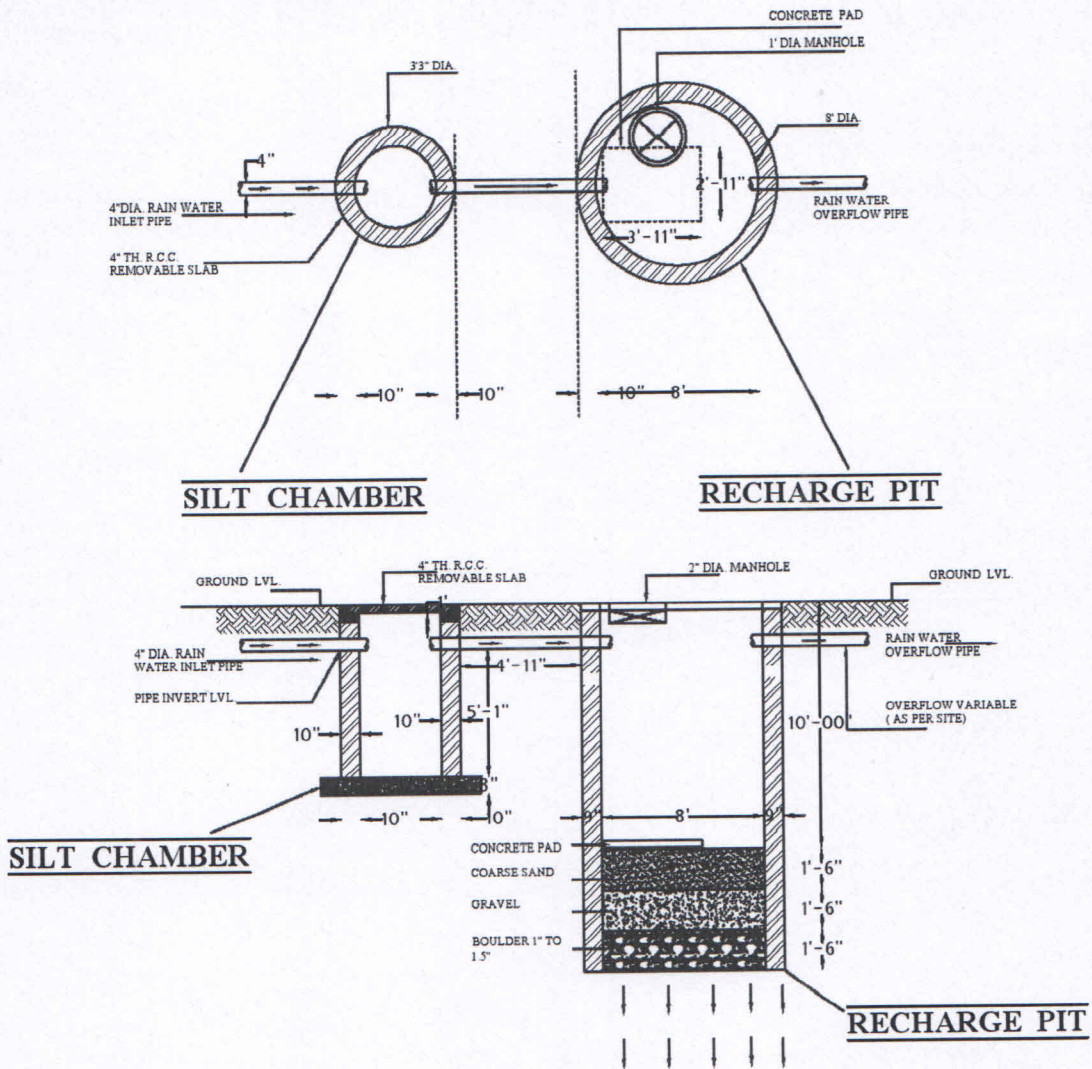
**RECHARGE PIT  
DETAIL  
SCALE = N.T.S**

- NOTE :
1. DEFUNCT WELL / BORE WELL MAY BE USED
  2. RECHARGE PIT CAPACITY WILL BE 6.0 CUM PER 1000 SQ Ft. ROOF AREA
  3. ALL DIMENSIONS ARE IN INCH FEET UNLESS SPECIFIED

**RANCHI MUNICIPAL CORPORATION, RANCHI**

**LINE PLAN FOR CONSTRUCTION OF RAIN WATER HARVESTING UNIT**

- FOR PLOT SIZE 3000 SQ. Ft. & ABOVE
- FOR BUILDING UPTO G+ 2 LVL.



38/5/15

**NOTE :**

1. DEFUNCT WELL / BORE WELL MAY BE USED
2. RECHARGE PIT CAPACITY WILL BE 6.0 CUM PER 1000 SFt. ROOF AREA
3. ALL DIMENSIONS ARE IN INCH FEET UNLESS SPECIFIED

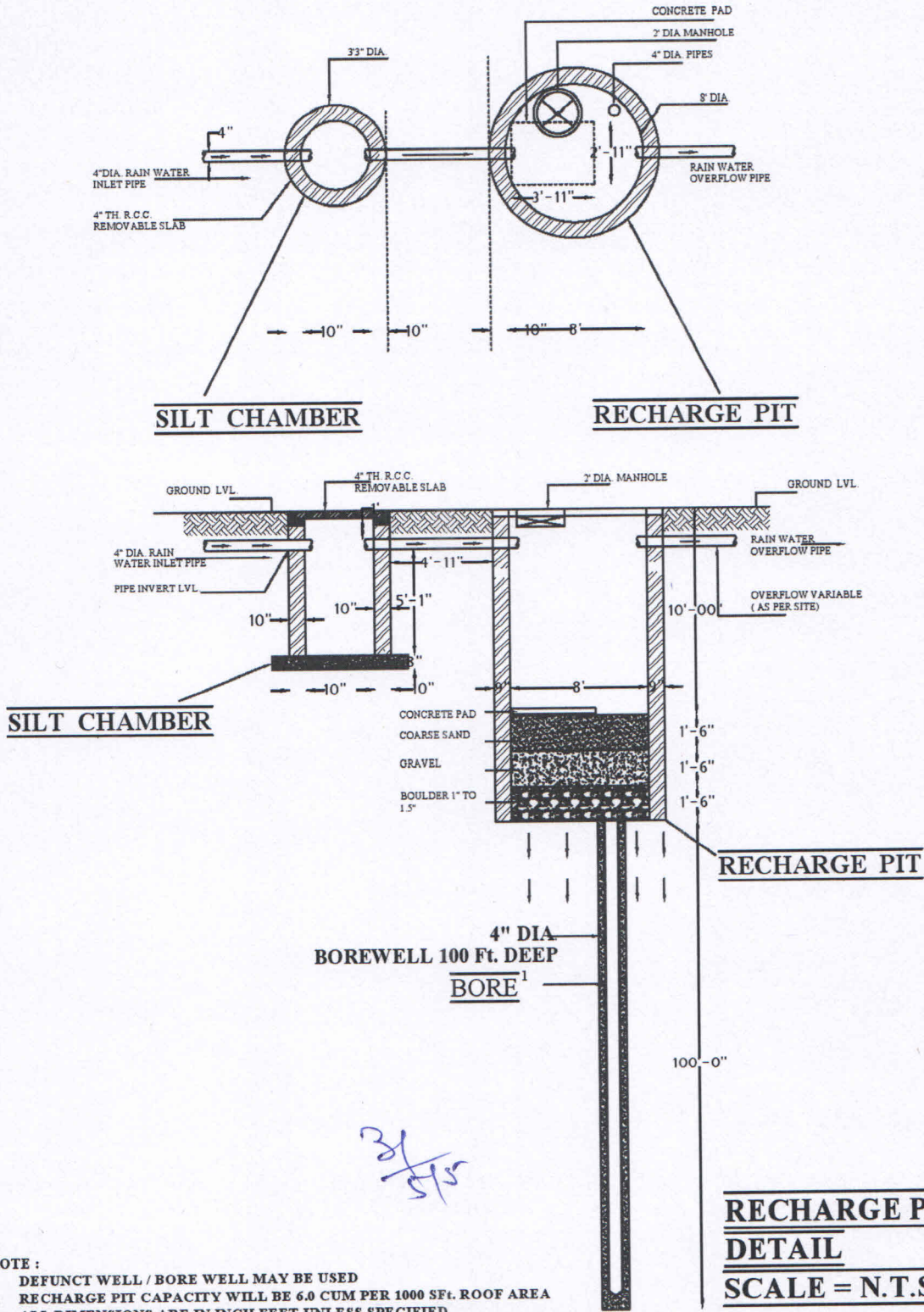
**RECHARGE PIT  
DETAIL  
SCALE = N.T.S**



**RANCHI MUNICIPAL CORPORATION, RANCHI**

**LINE PLAN FOR CONSTRUCTION OF RAIN WATER HARVESTING UNIT**

- FOR PLOT SIZE 3000 SQ. Ft. & ABOVE
- FOR BUILDING UPTO G+ 2 LVL.



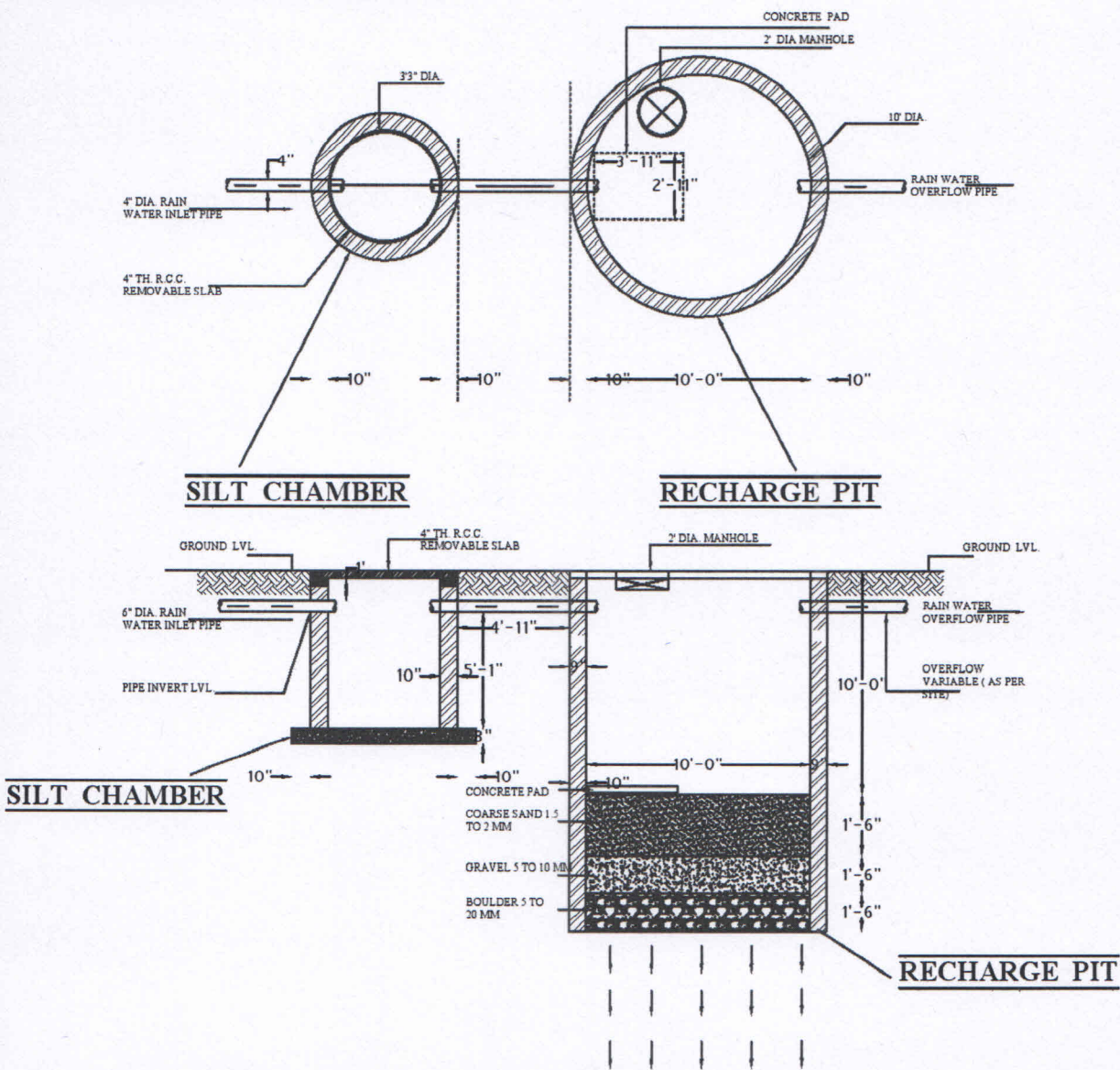
**NOTE :**

1. DEFUNCT WELL / BORE WELL MAY BE USED
2. RECHARGE PIT CAPACITY WILL BE 6.0 CUM PER 1000 SFt. ROOF AREA
3. ALL DIMENSIONS ARE IN INCH FEET UNLESS SPECIFIED

**RANCHI MUNICIPAL CORPORATION, RANCHI**

**LINE PLAN FOR CONSTRUCTION OF RAIN WATER HARVESTING UNIT**

- FOR PLOT SIZE 3000 SQ. Ft. & ABOVE
- FOR BUILDING G+ 3 LVL. & ABOVE



3/5/16

**NOTE :**

1. DEFUNCT WELL / BORE WELL MAY BE USED
2. RECHARGE PIT CAPACITY WILL BE 6.0 CUM PER 1000 SFt. ROOF AREA
3. ALL DIMENSIONS ARE IN INCH FEET UNLESS SPECIFIED

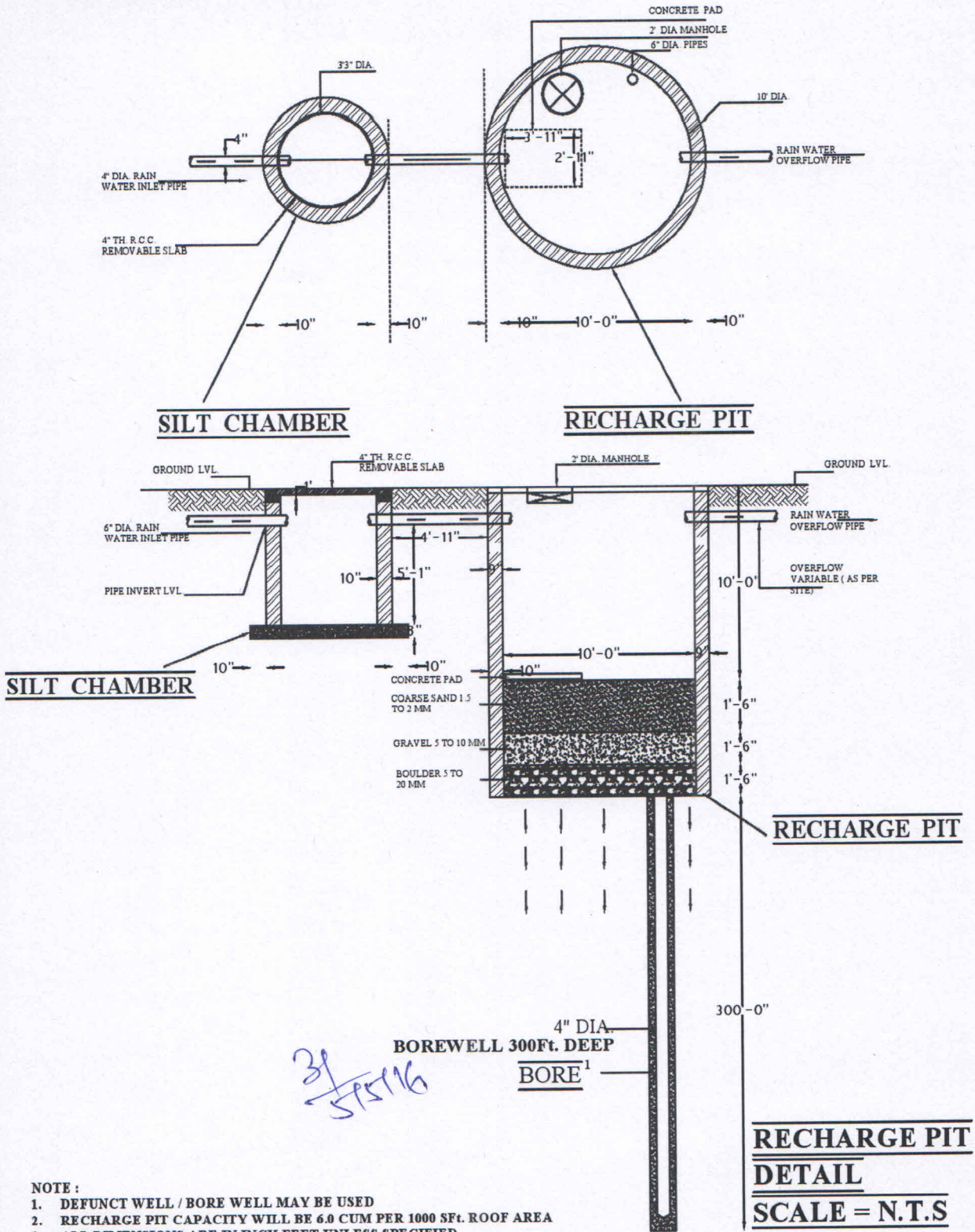
**RECHARGE PIT  
DETAIL  
SCALE = N.T.S**



# RANCHI MUNICIPAL CORPORATION, RANCHI

## LINE PLAN FOR CONSTRUCTION OF RAIN WATER HARVESTING UNIT

- FOR PLOT SIZE 3000 SQ. Ft. & ABOVE
- FOR BUILDING G+ 3 LVL. & ABOVE



**NOTE :**

1. DEFUNCT WELL / BORE WELL MAY BE USED
2. RECHARGE PIT CAPACITY WILL BE 6.0 CUM PER 1000 SFt. ROOF AREA
3. ALL DIMENSIONS ARE IN INCH FEET UNLESS SPECIFIED



**GOVERNMENT OF JHARKHAND**  
**RANCHI MUNICIPAL CORPORATION, RANCHI.**  
**(WATER SUPPLY SECTION)**

Annexure - "A"

**ESTIMATE FOR THE WORK :- ESTIMATE FOR CONSTRUCTION OF RECHARGE PIT OF SIZE 2.0M DIA X 4.5M DEPTH FOR PLOT SIZE HAVING AREA LESS THAN 3000 Sqr. Ft. (APPROX.) UNDER RANCHI MUNICIPAL CORPORATION, RANCHI.**

SI	Particulars	Quantity	Unit	Rate	Amount
1	Earth work in excavation in foundation trenches in ordinary soil and disposal of excavated earth as obtained to a distance up to 50.0m ,including all lifts, leveling ,ramming the foundation trenches, removing roots of trees, shrubs all complete as per approved design, building specification and direction of E/I(vide classification of soil item - B) 0.785x2.0m <sup>2</sup> x4.5m = 14.13 m <sup>3</sup>	14.13 M <sup>3</sup>	P/M <sup>3</sup>	85.96	1,214.61
2	Providing designation 75A brick work in C.M.(1:4)in foundation and plinth with approved quality of clean coarse sand of F.M.2to2.5 including providing 10mm thick mortar joints, cost of screening materials, raking out joints to 15mm depth, curing ,taxes and royalty all complete as per building specification and direction of E/I 3.14x2.0mx0.25mx1.0m = 1.57m <sup>3</sup>	1.57 M <sup>3</sup>	P/M <sup>3</sup>	4,057.03	6,369.54
3	Providing RCCM-150with nominal mix of (1:2:4) in roof slab with approved quality of stone chips 20mm to6mm size graded and clean coarse sand of F.M.2.5to 3 including screening ,shuttering ,mixing cement concrete in mixer and placing in position ,vibrating ,stacking ,curing(but excluding the cost of reinforcement, taxes and royalty all complete, building specification and direction of E/I  (a)Roof slab(1:2:4) 0.785x2.0m <sup>2</sup> x0.10m =0.314 m <sup>3</sup>	0.314 M <sup>3</sup>	P/M <sup>3</sup>	6,971.15	2,188.94
4	Supplying & Filling Filter Materials i.e. Coarse Sand, Gravels & Boulders in Recharge Pit  0.785x2.0m <sup>2</sup> x1.5m = 4.71m <sup>3</sup>	4.71 M <sup>3</sup>	P/M <sup>3</sup>	800.00	3,768.00
5	Supplying and laying of 100 mm dia PVC Rain Water Pipe with Band etc. - 12 M	12 M	P/M	125.00	1,500.00
				<b>Total :-</b>	<b>15,041.09</b>
				<b>Say Rs.</b>	<b>15,100.00</b>

**Rs. Fifteen Thousand One Hundred Only.**

31  
5/15/16



**GOVERNMENT OF JHARKHAND**  
**RANCHI MUNICIPAL CORPORATION, RANCHI.**  
**(WATER SUPPLY SECTION)**

Annexure - "B-1"

**ESTIMATE FOR THE WORK :- ESTIMATE FOR CONSTRUCTION OF RECHARGE PIT OF SIZE 2.25M DIA X 4.50M DEPTH WITH 125/115 MM DIA BORE-WELL 30.0M DEPTH FOR PLOT SIZE HAVING AREA ABOVE 3000 Sq. Ft. FOR BUILDING UPTO (G+2) (APPROX.) UNDER RANCHI MUNICIPAL CORPORATION, RANCHI.**

SI	Particulars	Quantity	Unit	Rate	Amount
1	Earth work in excavation in foundation trenches in ordinary soil and disposal of excavated earth as obtained to a distance up to 50.0m ,including all lifts, leveling ,ramming the foundation trenches, removing roots of trees, shrubs all complete as per approved design, building specification and direction of E/I(vide classification of soil item - B) 0.785x2.25m <sup>2</sup> x4.5m = 17.88 m <sup>3</sup>	17.88 M <sup>3</sup>	P/M <sup>3</sup>	85.96	1,536.96
2	Providing designation 75A brick work in C.M.(1:4)in foundation and plinth with approved quality of clean coarse sand of F.M.2to2.5 including providing 10mm thick mortar joints, cost of screening materials, raking out joints to 15mm depth, curing ,taxes and royalty all complete as per building specification and direction of E/I 3.14x2.25mx0.25mx1.0m = 1.77m <sup>3</sup>	1.77 M <sup>3</sup>	P/M <sup>3</sup>	4,057.03	7,180.94
3	Providing RCCM-150with nominal mix of (1:2:4) in roof slab with approved quality of stone chips 20mm to6mm size graded and clean coarse sand of F.M.2.5to 3 including screening ,shuttering ,mixing cement concrete in mixer and placing in position ,vibrating ,stacking ,curing(but excluding the cost of reinforcement, taxes and royalty all complete, building specification and direction of E/I (a)Roof slab(1:2:4) 0.785x2.25m <sup>2</sup> x0.10m = 0.397 m <sup>3</sup>	0.397 M <sup>3</sup>	P/M <sup>3</sup>	6,971.15	2,767.55
4	Supplying & Filling Filter Materials i.e. Coarse Sand, Gravels & Boulders in Recharge Pit 0.785x2.25m <sup>2</sup> x1.5m = 5.96m <sup>3</sup>	5.96 M <sup>3</sup>	P/M <sup>3</sup>	800.00	4,768.00
5	100 mm dia PVC Rain Water Pipe with Band etc. - 15 M	15 M	P/M	125.00	1,875.00
6	Silt chamber of B/W of size 1mx1.0mx1.0m with Cover Slab C/P & Punning & Jal; etc. complete as per direction of E/I 1No.	1 Nos.	per nos	10,000.00	10,000.00
				<b>Total :-</b>	<b>28,128.45</b>
				<b>Say Rs.</b>	<b>28,200.00</b>

Rs. Twenty-Eight Thousand Two Hundred Only.

31/5/16



**GOVERNMENT OF JHARKHAND**  
**RANCHI MUNICIPAL CORPORATION, RANCHI.**  
**(WATER SUPPLY SECTION)**

Annexure - "B-2"

**ESTIMATE FOR THE WORK :- ESTIMATE FOR CONSTRUCTION OF RECHARGE PIT OF SIZE 2.25M DIA X 4.50M DEPTH WITH 125/115 MM DIA BORE-WELL 30.0M DEPTH FOR PLOT SIZE HAVING AREA ABOVE 3000 Sq. Ft. FOR BUILDING UPTO (G+2) (APPROX.) UNDER RANCHI MUNICIPAL CORPORATION, RANCHI.**

SI	Particulars	Quantity	Unit	Rate	Amount
1	Earth work in excavation in foundation trenches in ordinary soil and disposal of excavated earth as obtained to a distance up to 50.0m ,including all lifts, leveling ,ramming the foundation trenches, removing roots of trees, shrubs all complete as per approved design, building specification and direction of E/I(vide classification of soil item - B) 0.785x2.25m <sup>2</sup> x4.5m = 17.88 m <sup>3</sup>	17.88 M <sup>3</sup>	P/M <sup>3</sup>	85.96	1,536.96
2	Providing designation 75A brick work in C.M.(1:4)in foundation and plinth with approved quality of clean coarse sand of F.M.2to2.5 including providing 10mm thick mortar joints, cost of screening materials, raking out joints to 15mm depth, curing ,taxes and royalty all complete as per building specification and direction of E/I 3.14x2.25mx0.25mx1.0m = 1.77m <sup>3</sup>	1.77 M <sup>3</sup>	P/M <sup>3</sup>	4,057.03	7,180.94
3	Providing RCCM-150with nominal mix of (1:2:4) in roof slab with approved quality of stone chips 20mm to6mm size graded and clean coarse sand of F.M.2.5to 3 including screening ,shuttering ,mixing cement concrete in mixer and placing in position ,vibrating ,stacking ,curing(but excluding the cost of reinforcement, taxes and royalty all complete, building specification and direction of E/I  (a)Roof slab(1:2:4) 0.785x2.25m <sup>2</sup> x0.10m = 0.397 m <sup>3</sup>	0.397 M <sup>3</sup>	P/M <sup>3</sup>	6,971.15	2,767.55
4	Supplying & Filling Filter Materials i.e. Coarse Sand, Gravels & Boulders in Recharge Pit  0.785x2.25m <sup>2</sup> x1.5m = 5.96m <sup>3</sup>	5.96 M <sup>3</sup>	P/M <sup>3</sup>	800.00	4,768.00
5	100 mm dia PVC Rain Water Pipe with Band etc. - 15 M	15 M	P/M	125.00	1,875.00
6	Silt chamber of B/W of size 1mx1.0mx1.0m with Cover Slab C/P & Punning & Jal; etc. complete as per direction of E/I 1No.	1 Nos.	per nos	10,000.00	10,000.00

31  
5/5/16



7 / 117	Basic rates for 115/125 mm dia Drilled Tube-Well for drilling in all kinds of soil and rock for Rain Water Harvesting with D.T.H. rings all complete including supplying all materials, labours, tools, drilling, rigs, air compressor and equipments as well as fuel lubricant, for making 115/125 mm dia boring etc. and cost of transporting rig machine and other vehicle up to site of work etc complete job. Drilling upto 30 mtr. Depth below G.L.	30 M	P/M	382.00	11,460.00
8 / 105	Basic rate of UPVC pipe 125mm dia. Conforming to IS:latest revision.	15 M	P/M	391.00	5,865.00
				<b>Total :-</b>	<b>45,453.45</b>
				<b>Say Rs.</b>	<b>45,500.00</b>

**Rs. Forty-Five Thousand Five Hundred Only.**

30  
51516



**GOVERNMENT OF JHARKHAND**  
**RANCHI MUNICIPAL CORPORATION, RANCHI.**  
**(WATER SUPPLY SECTION)**

Annexure - "C-1"

**ESTIMATE FOR THE WORK :- ESTIMATE FOR CONSTRUCTION OF RECHARGE PIT OF SIZE 3.0M DIA X 4.50M DEPTH WITH 150 MM DIA BORE-WELL 90.0M deep for PLOT SIZE ABOVE 3000 Sq. Ft. FOR BUILDINGS (G+3) AND ABOVE (i.e. Apartments/Institutes/Commercial Buildings) UNDER RANCHI MUNICIPAL CORPORATION, RANCHI.**

SI	Particulars	Quantity	Unit	Rate	Amount
1	Earth work in excavation in foundation trenches in ordinary soil and disposal of excavated earth as obtained to a distance up to 50.0m ,including all lifts, leveling ,ramming the foundation trenches, removing roots of trees, shrubs all complete as per approved design, building specification and direction of E/I (vide classification of soil item - B) 0.785x3.0m <sup>2</sup> x4.50m = 31.79 m <sup>3</sup>	31.79 M <sup>3</sup>	P/M <sup>3</sup>	85.96	2,732.67
2	Providing designation 75A brick work in C.M.(1:4)in foundation and plinth with approved quality of clean coarse sand of F.M.2to2.5 including providing 10mm thick mortar joints, cost of screening materials, raking out joints to 15mm depth, curing ,taxes and royalty all complete as per building specification and direction of E/I 3.14x3.00mx0.25mx1.0m = 2.355m <sup>3</sup>	2.355 M <sup>3</sup>	P/M <sup>3</sup>	4,057.03	9,554.31
3	Providing RCCM-150with nominal mix of (1:2:4) in roof slab with approved quality of stone chips 20mm to6mm size graded and clean coarse sand of F.M.2.5to 3 including screening ,shuttering ,mixing cement concrete in mixer and placing in position ,vibrating ,stacking ,curing(but excluding the cost of reinforcement, taxes and royalty all complete, building specification and direction of E/I (a)Roof slab(1:2:4) 0.785x3.0m <sup>2</sup> x0.10m = 0.7065 m <sup>3</sup>	0.7065 M <sup>3</sup>	P/M <sup>3</sup>	6,971.15	4,925.12
4	Supplying & Filling Filter Materials i.e. Coarse Sand, Gravels & Boulders in Recharge Pit 0.785x3.0m <sup>2</sup> x1.5m = 10.5975m <sup>3</sup>	10.5975 M <sup>3</sup>	P/M <sup>3</sup>	800.00	8,478.00
5	200 mm dia PVC Rain Water Pipe with Band etc. - 25 M	25 M	P/M	250.00	6,250.00
6	Silt chamber of B/W of size 1.0mx1.0mx1.0m with brick work plaster etc. complete job as per direction of E/I - 1No.	1 Nos.	L.S.	10,000.00	10,000.00
<b>Total :-</b>					<b>41,940.09</b>
<b>Say Rs.</b>					<b>42,000.00</b>

Rs. Forty-Two Thousand Only.

3/15/16



**GOVERNMENT OF JHARKHAND**  
**RANCHI MUNICIPAL CORPORATION, RANCHI.**  
**(WATER SUPPLY SECTION)**

Annexure - "C-2"

**ESTIMATE FOR THE WORK :- ESTIMATE FOR CONSTRUCTION OF RECHARGE PIT OF SIZE 3.0M DIA X 4.50M DEPTH WITH 150 MM DIA BORE-WELL 90.0M deep for PLOT SIZE ABOVE 3000 Sq. Ft. FOR BUILDINGS (G+3) AND ABOVE (i.e. Apartments/Institutes/Commercial Buildings) UNDER RANCHI MUNICIPAL CORPORATION, RANCHI.**

SI	Particulars	Quantity	Unit	Rate	Amount
1	Earth work in excavation in foundation trenches in ordinary soil and disposal of excavated earth as obtained to a distance up to 50.0m ,including all lifts, leveling ,ramming the foundation trenches, removing roots of trees, shrubs all complete as per approved design, building specification and direction of E/I (vide classification of soil item - B) 0.785x3.0m <sup>2</sup> x4.50m = 31.79 m <sup>3</sup>	31.79 M <sup>3</sup>	P/M <sup>3</sup>	85.96	2,732.67
2	Providing designation 75A brick work in C.M.(1:4)in foundation and plinth with approved quality of clean coarse sand of F.M.2to2.5 including providing 10mm thick mortar joints, cost of screening materials, raking out joints to 15mm depth, curing ,taxes and royalty all complete as per building specification and direction of E/I 3.14x3.00mx0.25mx1.0m = 2.355m <sup>3</sup>	2.355 M <sup>3</sup>	P/M <sup>3</sup>	4,057.03	9,554.31
3	Providing RCCM-150with nominal mix of (1:2:4) in roof slab with approved quality of stone chips 20mm to6mm size graded and clean coarse sand of F.M.2.5to 3 including screening ,shuttering ,mixing cement concrete in mixer and placing in position ,vibrating ,stacking ,curing(but excluding the cost of reinforcement, taxes and royalty all complete, building specification and direction of E/I  (a)Roof slab(1:2:4) 0.785x3.0m <sup>2</sup> x0.10m = 0.7065 m <sup>3</sup>	0.7065 M <sup>3</sup>	P/M <sup>3</sup>	6,971.15	4,925.12
4	Supplying & Filling Filter Materials i.e. Coarse Sand, Gravels & Boulders in Recharge Pit  0.785x3.0m <sup>2</sup> x1.5m = 10.5975m <sup>3</sup>	10.5975 M <sup>3</sup>	P/M <sup>3</sup>	800.00	8,478.00
5	200 mm dia PVC Rain Water Pipe with Band etc. - 25 M	25 M	P/M	250.00	6,250.00
6	Silt chamber of B/W of size 1.0mx1.0mx1.0m with brick work plaster etc. complete job as per direction of E/I - 1No.	1 Nos.	L.S.	10,000.00	10,000.00

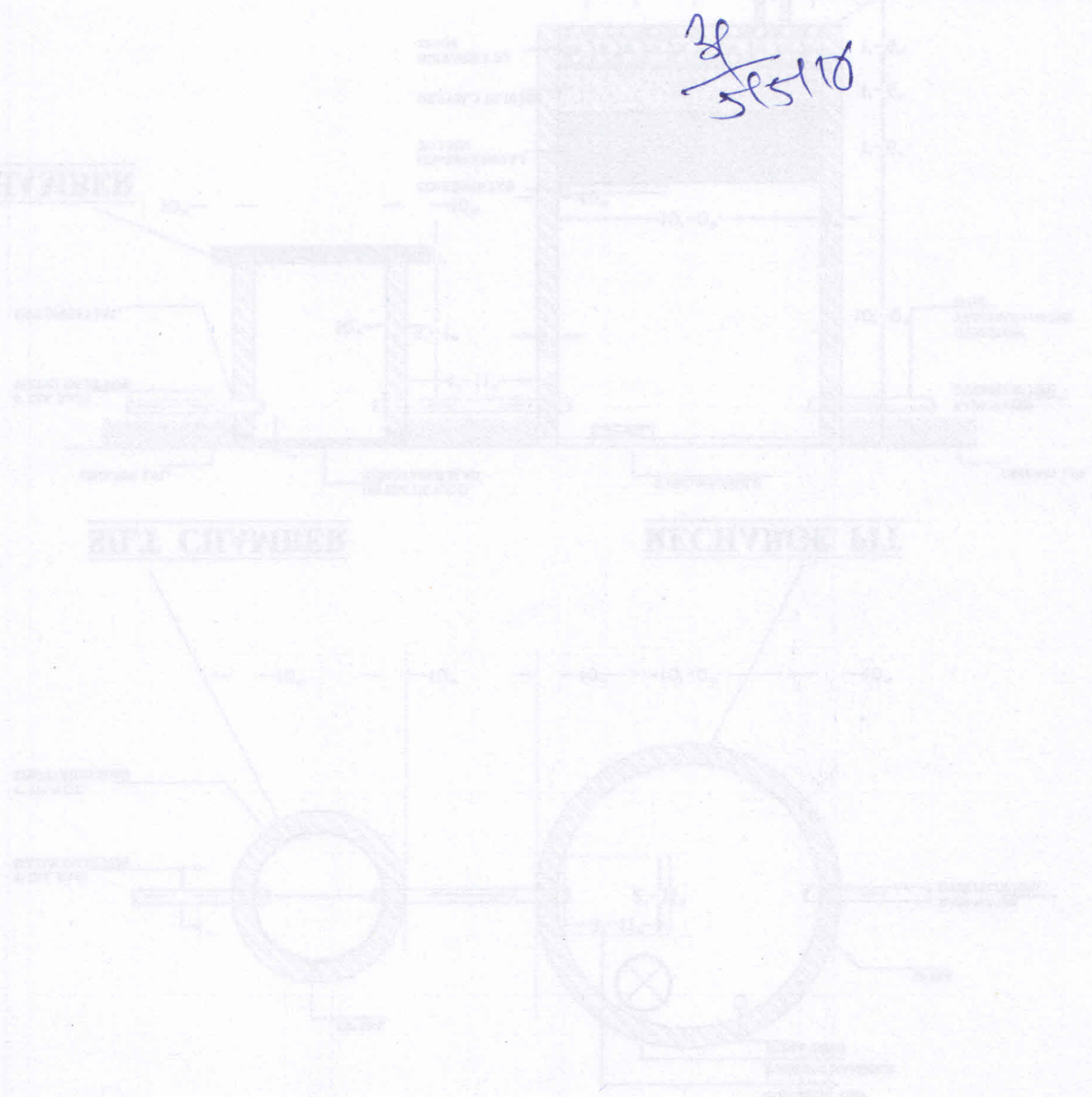
31  
5/5/16



7 / 117	Basic rates for 115/125 mm dia Drilled Tube-Well for drilling in all kinds of soil and rock for Rain Water Harvesting with D.T.H. rings all complete including supplying all materials, labours, tools, drilling, rigs, air compressor and equipments as well as fuel lubricant, for making 115/125 mm dia boring etc. and cost of transporting rig machine and other vehicle up to site of work etc complete job. Drilling upto 30 mtr. Depth below G.L.	30 M	P/M	382.00	11,460.00
	Drilling beyond 31 mtr upto 90 mtr. Depth below G.L.	60 M	P/M	429.00	25,740.00
8 / 105	Basic rate of UPVC pipe 125mm dia. Conforming to IS:latest revision.	15 M	P/M	391.00	5,865.00
				<b>Total :-</b>	<b>85,005.09</b>
				<b>Say Rs.</b>	<b>85,000.00</b>

Rs. Eighty-Five Thousand Only.

38  
58510



FOR RAINING 0-7 GAL & 1000L  
FOR 100L SIZE 1000L & 1000L  
FOR 100L SIZE 1000L & 1000L