



E. G. S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

RAIN WATER HARVESTING

S.N O	DESCRIPTION	AMOUNT	Page No
1	PVC PIPE	106282.00	2
2	REINFORCEMENT	75421.00	3
3	CEMENT	75271.00	4
4	LABOUR CHARGE	72500.00	5
5	OTHERS/LUMPSUM	4000.00	
TOTAL		332974.00	

ATTESTED


Dr. S. RAJABALAN, M.E., Ph.D.,
Principal

E.G.S. Pillay Engineering College,
Tiruchi, Nagapattinam - 611 002,
Nagapattinam (Dt) Tamil Nadu.



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GSTIN 33AKGPA6245D1ZQ		243172		
LAKSHMI PIPES				
11, G.H. Road NAGAPATTINAM - 611 001. Authorised Dealer KUMAR Piston Pump				
CASH/CREDIT BILL				
No. 869	Secretary		Date: 16-7-2017	
To	E.G.S. Pillay Eng. College			
S.No.	DESCRIPTION	Qty	Amount	
			Rs.	Ps.
1.	160mm pvc pipe	60m	14750	
2.	160mm Elbow	12	1870	
3.	160mm Elbow	12	2450	
4.	160mm Elbow	12	2450	
5.	160mm pvc pipe	180m	21000	
6.	110 Elbow	30	1550	
7.	110 Elbow	30	1700	
8.	2 Duro - 1 m	3	700	
9.	150 cap	600	3500	
10.	150 cap	200	2700	
11.	140 pvc pipe	180m	27000	
			90070	
CGST 9%			8106	
SGST 9%			8106	
E.&O.E.			106282	

Goods once sold cannot be taken back

LAKSHMI PIPES
No. 11, Govt. Hospital Road,
Nagapattinam - 611 001 - for LAKSHMI PIPES
Phone: 243172

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Principal

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Thetiv, Nagapattinam - 611 002.
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SRI VENKATESWARA STEEL CORPORATION

Iron & Cement Merchant

-26/11.26/1.EASTCOAST ROAD, ANTHANAPETTAINAGAPATTINAM-611002
ne 241080 Cell : 9842492445
IN 33ADAPT3918M1ZE Term : Credit

THE SECRETARY
E.G.S.P. ENGG COLLEGE

Bill.No **BO- 176**

Bill.Dt 16/07/2017

GSTIN

Product	Qty (KGS)	Price	GST %	Total
TATA TISCON 8MM	120.000	223.73	18.00	26,847.60
TATA TISCON 10M	85.000	338.98	18.00	28,813.30
TATA TICON 12MM	17.000	485.59	18.00	8,255.03

-No-	Taxable Value	65915.93
	CGST @ 9%	5752.44
	SGST @ 9%	5752.44
	Handling Charges	

Round @ 0.00

es twenty-five thousand four hundred twenty-one

Rain Water Harvesting

ATTESTED

Dr. S. RAMABAI M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillai College,
Thekkadai, Nagapattinam (T), Tamil Nadu.



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SRI VENKATESWARA STEEL CORPORATION
Iron & Cement Merchant

-26/11, 26/1, EAST COAST ROAD, ANTHANAPETTAI, NAGAPATTINAM-611002
Phone : 241680 Cell : 9642692445
PIN : 33ADAFT3918M12B Term : Credit

THE SECRETARY Bill.No **BO- 304**
E.G.S.P. ENGG COLLEGE

Bill.De 22/07/2017

GSTIN

Product	Qty (KGS)	Price	Gst %	Total
ULTRATECH CEMEN	193.000	304.69	28.00	58,805.17

-No-	Taxable Value	58805.17
	CGST @ 14%	8232.73
	SGST @ 14%	8232.73
	Handling Charges	

ROUND OFF 0.00

Rs. Seventy-five thousand two hundred seventy-one

Rain Water Harvesting

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E.G.S. Pilla; Engg College,
Thetha, Nagapattinam - 611 002.
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QUALITY SERVICES
Construction Consultancy & Services
409, MAIN ROAD, NAGORE-611002



TO
THE SECRETARY
EGS PILLAI ENGINEERING COLLEGE
NAGAPATTINAM – 611001

FROM
QUALITY SERVICES
409 MAIN ROAD,
NAGORE – 611002
NAGAPATTINAM DIST

SUB: LABOUR INVOICE
INVOICE DATE: 16/07/2017

RAIN WATER HARVESTING CONSTRUCTION PURPOSE LABOUR CHARGING

S No.	Date	Description	Quantity	Wage Per Day	Amount	Sub Total
1	12/07/2017	Mason	17	800.00	13,600.00	
2	13/07/2017	Mason	17	800.00	13,600.00	
3	14/07/2017	Mason	17	800.00	13,600.00	40,800.00
4	12/07/2017	Mazdoor	18	600.00	10,800.00	
5	13/07/2017	Mazdoor	17	600.00	10,200.00	
6	14/07/2017	Mazdoor	17	600.00	10,200.00	31,200.00

TOTAL: 72,000.00

Place: Nagore
Date: 16/07/2017

Engineer & In charge



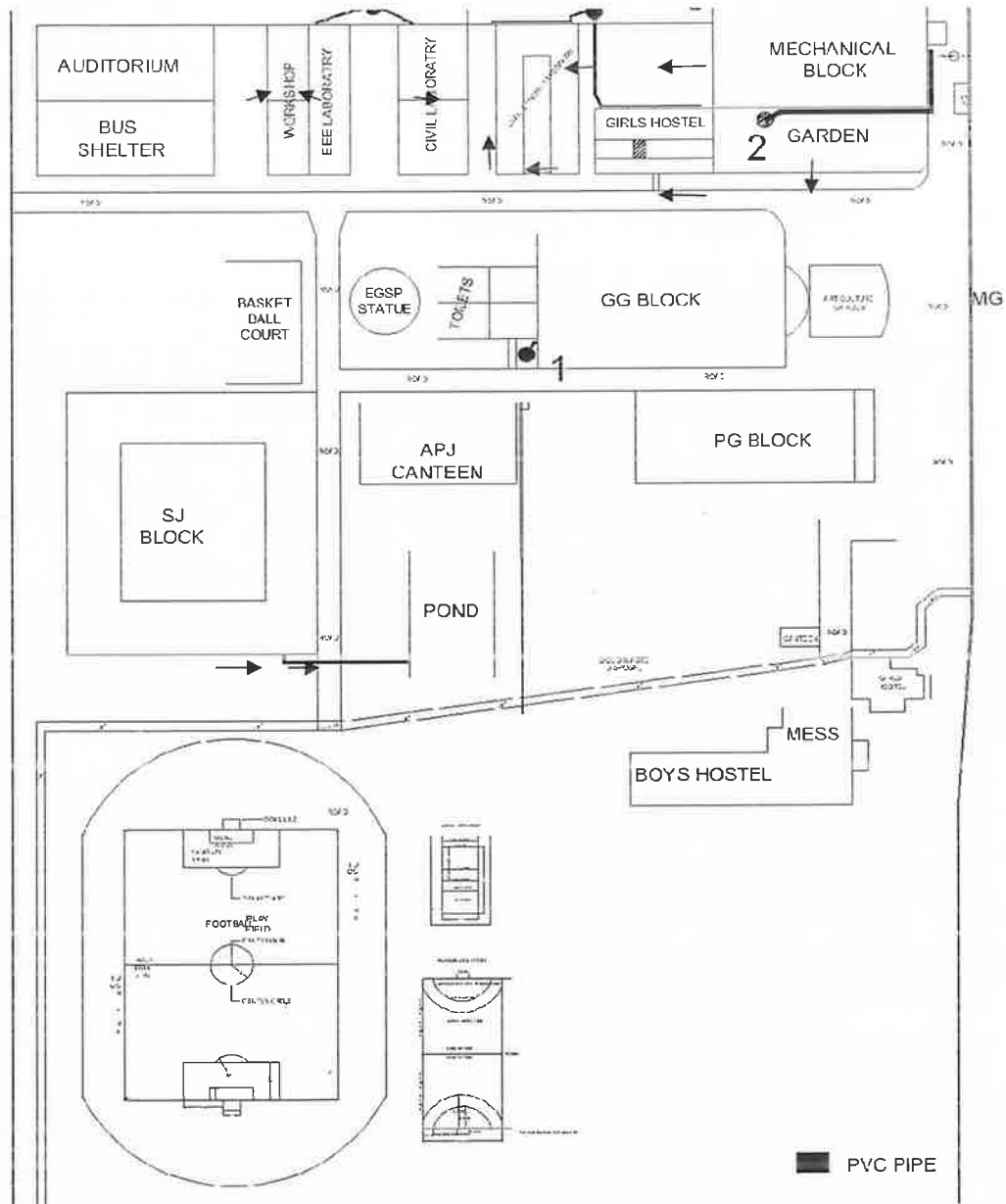
Rain Water Harvesting

ATTESTED

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CAMPUS LAYOUT RAINWATER HARVESTING LOCATION

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DETAILS ABOUT RAINWATER HARVESTING SYSTEM

SL NO	DESCRIPTION	DETAILS
SJ BLOCK		
1	AREA OF ROOF SLAB	3049 sq.m
2	TYPE OF ROOF COVERING	Rcc Roof With Weather Proof Tiles
3	QUANTITY OF RAIN FALL RECEIVED (Approx)	100cm Per Year
4	METHOD OF COLLECTION	All PVC Down Water Pipes Were Connected and conveying to nearest recharging location
5	METHOD OF RECHARGE	Stored in natural pond
GG BLOCK		
1	AREA OF ROOF SLAB	1350sq.m
2	TYPE OF ROOF COVERING	Rcc Roof With Weather Proof Tiles
3	QUANTITY OF RAIN FALL RECEIVED (Approx)	100cm Per Year
4	METHOD OF COLLECTION	All PVC Down Water Pipes Were Connected and conveying to nearest recharging location
5	METHOD OF RECHARGE	Stored in collection pit
PG BLOCK		
1	AREA OF ROOF SLAB	525sq.m
2	TYPE OF ROOF COVERING	Rcc Roof With Weather Proof Tiles
3	QUANTITY OF RAIN FALL RECEIVED (Approx)	100cm Per Year
4	METHOD OF COLLECTION	All PVC Down Water Pipes Were Connected and conveying to nearest recharging location
5	METHOD OF RECHARGE	Stored in natural pond

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SL NO	DESCRIPTION	DETAILS
MECHANICAL BLOCK		
1	AREA OF ROOF SLAB	1561sq.m
2	TYPE OF ROOF COVERING	Rcc Roof With Weather Proof Tiles
3	QUANTITY OF RAIN FALL RECEIVED (Approx)	100cm Per Year
4	METHOD OF COLLECTION	All PVC Down Water Pipes Were Connected and conveying to nearest recharging location
5	METHOD OF RECHARGE	Stored in collection pit
LADIES HOSTEL		
1	AREA OF ROOF SLAB	671sq.m
2	TYPE OF ROOF COVERING	Rcc Roof With Weather Proof Tiles
3	QUANTITY OF RAIN FALL RECEIVED (Approx)	100cm Per Year
4	METHOD OF COLLECTION	All PVC Down Water Pipes Were Connected and conveying to nearest recharging location
5	METHOD OF RECHARGE	Stored in collection pit
CIVIL LAB		
1	AREA OF ROOF SLAB	385sq.m
2	TYPE OF ROOF COVERING	Rcc Roof With Weather Proof Tiles
3	QUANTITY OF RAIN FALL RECEIVED (Approx)	100cm Per Year
4	METHOD OF COLLECTION	All PVC Down Water Pipes Were Connected and conveying to nearest recharging location
5	METHOD OF RECHARGE	Stored in collection pit

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CALCULATION OF RAINWATER QUANTITY IN ROOF TOP

$$\begin{aligned}\text{QUANTITY} &= \text{ROOF AREA IN SQ.M} \times \text{RAIN FALL IN mm} \times \text{CO-EFFICIENT} \\ &= 7541 \text{SQ.M} \times 0.10 \times 0.6 \\ &= 452 \text{ M}^3 \text{ OR } 4,52,000 \text{ Liters}\end{aligned}$$

CALCULATION OF RAINWATER QUANTITY IN POND NEAR SJ BLOCK

AREA OF POND = 1020 SQ.M

$$\begin{aligned}\text{QUANTITY CAN BE STORED} &= 1020 \times 3.0 \times 1000 \\ &= 30,60,000 \text{ Liters}\end{aligned}$$

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Rainwater harvesting

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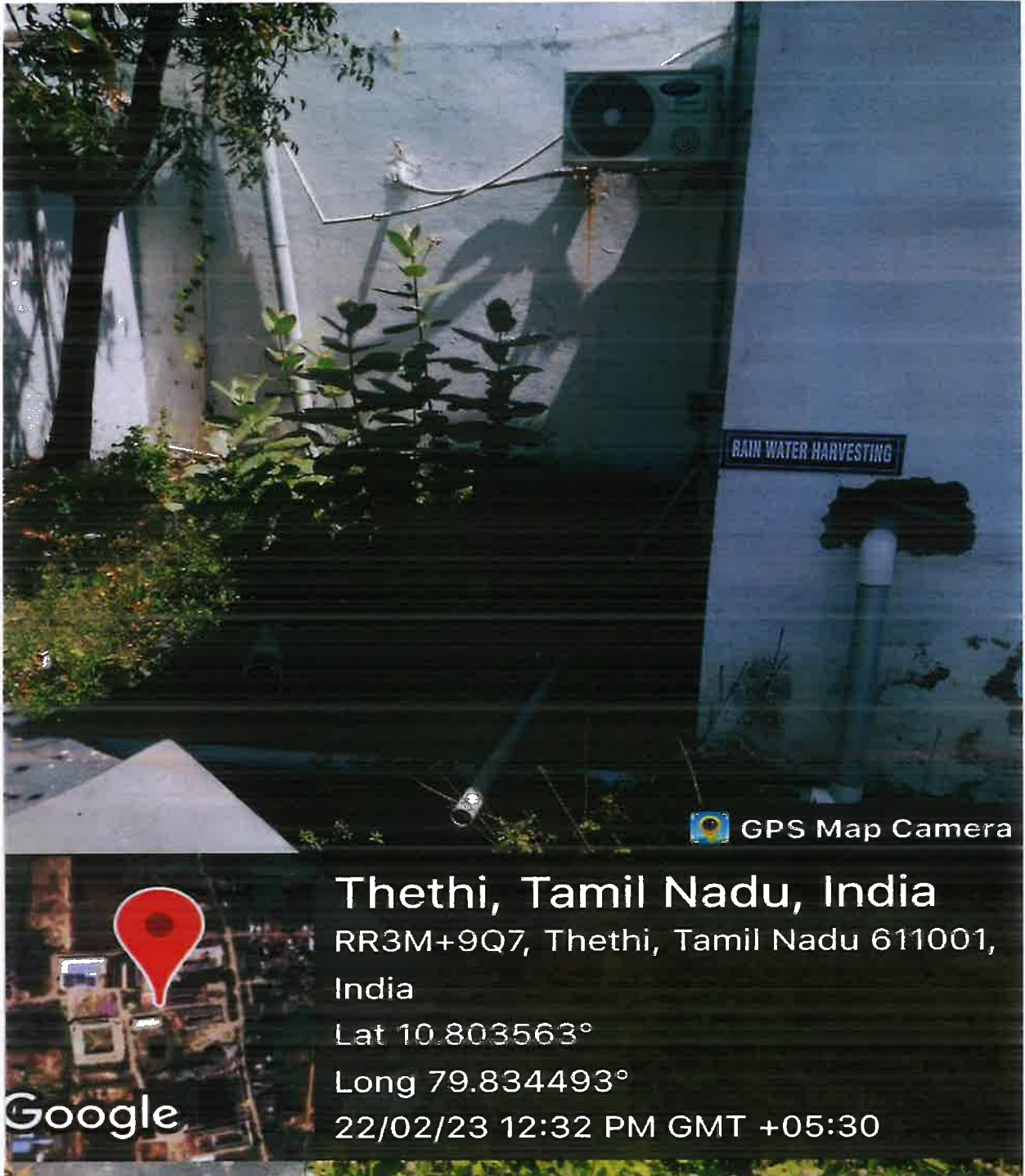
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