



PAAVAI ENGINEERING COLLEGE

(Autonomous Institution)

(Approved by AICTE and Affiliated to Anna University)

(Accredited by National Board of Accreditation, New Delhi & NAAC (UGC) with 'A' Grade)

Paavai Nagar, NH - 7, PACHAL, NAMAKKAL - 637 018. Tamil Nadu

☎ 04286-243038, 58,88 & 98 Fax: 04286-243068 Email: pecprincipal@paavai.edu.in website: http://pec.paavai.edu.in

TO WHOM SOEVER IT MAY CONCERN

This is to certify that Water Conservation facilities such as Rain Water Harvesting Bore well recharge, Open well recharge, Construction of tank and bunds, Waste water recycling and Maintenance of water bodies and distribution system are available in Paavai Engineering College. The college has built AMIRTHAVARSHINI, a mega Rain water harvester which replenishes the ground water table and supports water bodies situated around it to an extent of about 400 acres. It has the storage capacity of 2 crore litres of water and it is used for irrigation purposes of thousands of cultivable lands in and around the college. The main advantage of the lake is that it can provide a stress free environment to the students.

We have Waste water recycling plant which is used to treat a total volume of waste water generated is 4,50,000 lit/day. It is also a one of the water resources of the college. Hence the treated water from water recycling plant is used for gardening purpose for our Institutions & some agricultural lands of our neighbouring area. Nearly 12 water tanks, 3 open wells and 5 bore wells are present in the college campus. All the operation and maintenance works are done effectively and efficiently.

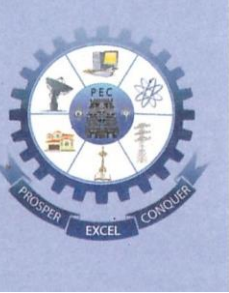
Paavai Engineering College takes sincere effort to conserve, sustain and improve water table of the ground to help the ecosystem and support the rural area which caters the social responsibility of the college.



Prasanna
16/4/2024
PRINCIPAL

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NH.7, PACHAL Post, NAMAKKAL Dist



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Rainwater Harvesting:

Paavai Engineering College is located at Pachal, Namakkal. Which is a rural area and it demands more ground water as it is comparatively has less ground water. So the Paavai Engineering College store the rain water in the mechanism of Rain water harvesting and it is named as 'AMIRTHAVARSHINI' a Mega Rain water Harvester. The dimension of the Mega Rain Harvester is 270ft×180ft×18ft. The volume of the harvester is about 874800cft. The lake has ordinary soil up to 5'0" and it has 13'0" of soft rock. The rain water all over from the campus is saved here for further usage. As it can store 2 crore litres of water and it is used for irrigation purposes of thousands of cultivable lands in and around Paavai Institutions.

One gets a peace of mind & immense pleasure while the rain water falls like a cascade. It adds splendorous and stunning beauty to the complete campus of Paavai institutions. It increases the availability of ground water level to the radius of 400 acres. It keeps the water level constant throughout the year.

The main advantage of the lake is that it can provide a stress free environment to the students. The cool wind from the lake relaxes the mind of the students. So it will be the apt place for the students to spend their leisure time.



Latitude: 11.398972
Longitude: 78.162796
Elevation: 181.4±33 m
Accuracy: 23.2 m
Time: 04-07-2021 12:02
Note: India

Powered by NoteCam

'AMIRTHAVARSHINI' a Mega Rain water Harvester



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‘AMIRTHAVARSHINI’ a Mega Rain water Harvester

Benefits of ‘AMIRTHAVARSHINI’

1. AMIRTHAVARSHINI can be an excellent back-up source of water for the college.
2. It reduces demand on ground water.
3. Rainwater harvesting systems are energy efficient and environmentally friendly in nature.
4. Low maintenance cost and requirements.
5. It reduces the soil erosion and runoff.
6. Rainwater is free from various chemicals found in ground water.
7. It is suitable for irrigation and watering gardens.

Composite Fish Culture:

The Composite fish culture system is a technology developed in India by the Indian Council of Agricultural Research in the 1970s. It is a method in which five or six different types of fish species are grown together in a single fish pond. Paavai Engineering College has built rain water harvesting, where composite fish culture is adopted to maintain the fertility of soil and water. In our system, the local and imported fish species are available. These aquatic communities like fish and plant grow to sustain the ground water level.



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Water is precious and it is one of the elements, which is very essential for living. All organisms require water for their life and living. Now, due to climatic change the ecosystem has become imbalanced. So there is a scare of water all around the earth. The water based resources in the future depends on the sustainability of the current and future water resource allocation. As water becomes more scarce the importance of storing becomes significant. The balance between using water based on necessity of human and environment becomes an important thing. Therefore it is the responsibility for all individuals, organizations and institutions to conserve, maintain water for their use. So, Paavai Engineering College has cater the needs of society by having the Rain water harvester which benefits the rural areas. So save water and save your life.



R. S. S.
16/4/2024
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PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist

Rain Water Harvesting bills:



THANGAM ASSOCIATES

CIVIL ENGINEERS / ARCHITECTS / VALUERS

Er. N. MANICKAM, B.E., MIE., FIV.,

- Chartered Civil Engineer M058632/B
- Competent person under factories act
- Registered Valuer for IT act, WT act, GI act C.I./205/91
- Licenced building Surveyor
- Approved Engineer & Valuer for LIC, SCCB, Indian Bank, Corporation Bank, TIC etc.

- District Panel Engineer - Class I, Namakkal Collector's R. Dis 8012 / 95.

Head Office:

66, C.P. Kannalah Street, Rasipuram-637 400.TN.
☎ : Off: 04287 - 322086, Res: 322263.

Branch Office:

K.K.P. Complex, Salem Road, Namakkal - 637 002.
☎ : Off: 04286 - 577334.

DATE
15.05.2001

BILL-1

Name of the work : Construction of Rainwater harvesting tank(pool)
Pavai Engineering college at S.F.no-19/2,20
Pachal village,Namakkal (Tk&Dt)

Size of Tank : 270'0" length & 180'0" breadth.

Type of work : On contract basis bill arrived.

Digging stage:

- a) Excavation of top layer with JCB in loose soil,gravel and conveying outside with trucks including cost of excavation,removal conveyance charges.etc.,

Quantity:	270'0" x 180'0" x 3'0"(avg)	=	145800 cuft.
	1458 units @ 450/unit	=	6,56,100/- (Say 6,56,000/-)

(Received a sum of rupees six lakhs fifty six thousands only)


N.MANICKAM



THANGAM ASSOCIATES

CIVIL ENGINEERS / ARCHITECTS / VALUERS

Er. N. MANICKAM, B.E., MIE., FIV.,

- Chartered Civil Engineer M/058632/8
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☎ : Off: 04286 - 577334.

DATE

20.07.2001

BILL-2

Name of the work : Construction of Rainwater harvesting tank(pool) in Paavai Engineering college at S.F.no-19/2, 20, Pachal village, Namakkal (Tk&Dt)

Size of Tank : 270'0" length & 180'0" breadth.

Type of work : On contract basis bill arrived.

Digging stage:

- a) Excavation of second depth in soft disintegrated rock which required blasting, lifting and transportation to outside within 1km distance. including cost of excavation, removal conveyance charges.etc.,

Quantity: 270'0" x 180'0" x 3'6" = 170100 cuft.

1701 units @ 625/unit = 10,63,125/-
(Say 10,63,000/-)

(Received a sum of rupees ten lakhs sixty three thousands only)


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- SCCB, Indian Bank, Corporation Bank, TILC etc.

- District Panel Engineer - Class I.
- Namakkal Collector's R. Dts 8012 / 98.

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K.K.P. Complex, Salem Road, Namakkal - 637 002.
☎ : Off: 04286 - 577334.

DATE

15.12.2001

BILL-3

Name of the work : Construction of Rainwater harvesting tank(pool)
Paavai Engineering college at S.F.no-19/2,20
Pachal village, Namakkal (Tk&Dt)

Size of Tank : 270'0" length & 180'0" breadth.

Type of work : On contract basis bill arrived.

Digging stage:

- a) Excavation of further depth in hard rock which are required blasting. The bill claim includes cost of excavation blasting, removal and conveying to outside, transport etc.,

Quantity: 270'0" x 180'0" x 4'0" = 194400 cuft.

1944 units @ 850/unit = 16,52,400/-

(Received a sum of rupees sixteen lakhs fifty two thousands four hundred only)

N.MANICKAM



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Namakkal Collector's R. Dis 8012 / 98.

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Branch Office:

K.K.P. Complex, Salem Road, Namakkal - 637 002.
☎ : Off: 04286 - 577334.

DATE

15.06.2002

BILL-4

Name of the work : Construction of Rainwater harvesting tank(pool)
in Paavai Engineering college at S.F.no-19/2, 20,
Pachal village, Namakkal (Tk&Dt)

Size of Tank : 270'0" length & 180'0" breadth.

Type of work : On contract basis bill arrived.

Digging stage:

- a) Excavation of further depth in hard rock which are required blasting. The bill claim includes cost of excavation blasting, removal and conveying to outside, transport etc.,

Quantity:	270'0" x 180'0" x 3'0"	=	145800 cuft.
	1458 units @ 925/unit	=	13,48,650/-
			(say 13,48,000/-)

(Received a sum of rupees thirteen lakhs fourty eight thousands only)


N.MANICKAM



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- Competent person under factories act
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SCCB, Indian Bank, Corporation Bank, TILC etc.
- District Panel Engineer - Class I.
Namakkal Collector's R. Dis 8012 / 98.

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Branch Office:

K.K.P. Complex, Salem Road, Namakkal - 637 002
☎ : Off: 04286 - 577334.

DATE

20.12.2002

BILL-5

Name of the work : Construction of Rainwater harvesting tank(pool)
Paavai Engineering college at S.F.no-19/2,20
Pachal village,Namakkal (Tk&Dt)

Size of Tank : 270'0" length & 180'0" breadth.

Type of work : On contract basis bill arrived.

Digging stage:

- a) Excavation of further depth in hard rock which are required blasting. The bill claim includes cost of excavation blasting, removal and conveying to outside, transport etc.,

Quantity:	270'0" x 180'0" x 3'6"	=	170100 cuft.
	1701 units @ 1050/unit	=	17,86,050/- (say 17,86,000/-)

(Received a sum of rupees seventeen lakhs eighty six thousands only)


N.MANICKAM



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K.K.P. Complex, Salem Road, Namakkal - 637 002..
☎ : Off: 04286 - 577334.

DATE

28.03.2003

BILL-6

Name of the work : Construction of Rainwater harvesting tank(pool)
Paavai Engineering college at S.F.no-19/2, 20,
Pachal village, Namakkal (Tk&Dt)

Size of Tank : 270'0" length & 180'0" breadth.

Type of work : On contract basis bill arrived.

R.R.masonry work:

- a) Construction of retaining wall -R.R.masonry with c.m 1:5. The bill claim includes cost and conveyance of all materials at site etc.,

Quantity:	(i) Around tank -1		
	888'0" x 2'0"x2'6"	=	4440 cuft.
	328.88 gajam @ 450/gajam	=	1,47,600/-
	(ii) Around tank-2		
	888'0" x 1'6"x1'6"	=	1998 cuft.
	200 gajam @ 425/gajam	=	85,000/-

Total = 2,32,600/-
(say 2,32,000/-)

(Received a sum of rupees two lakhs thirty two thousand only)


N.MANICKAM



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Branch Office:

K.K.P. Complex, Salem Road, Namakkal - 637 002
☎ : Off: 04286 - 577334.

DATE 21.06.2003

BILL-7

Name of the work : Construction of Rainwater harvesting tank(pool)
Paavai Engineering college at S.F.no-19/2,20
Pachal village,Namakkal (Tk&Dt)

Size of Tank : 270'0" length & 180'0" breadth.

Type of work : On contract bill basis arrived.

Brick work & plastering work:

- a) Construction of brick work on the top of the retaining wall with c.m 1:5 and plastering the wall. The bill claim includes cost and conveyance of all materials at site etc.,

Quantity:	(i) Brick work		
	900'0" x 1'6"x 1'6"	=	2025 cuft.
	2025 cuft @ 60/cuft	=	1,21,500/-
	(ii) Plastering work		
	900'0" x 4'6"	=	4050 sqft.
	4050 sqft @ 12/sqft	=	48,600/-

Total = 1,70,100/-
(say 1,70,000/-)

(Received a sum of rupees one lakhs seventy thousands only)

N.MANICKAM