
	<p>T.J.S. ENGINEERING COLLEGE TJS Nagar, Kavaraipettai, Chennai 601206</p>	
<p>RAINWATER HARVESTING</p>		

Rain water Harvesting

Rain water Harvesting is one of the important initiatives taken for the conservation of water resources and recharge of underground water table. Considering the importance of the system in our campus rain water harvesting is implemented over the available built up area, especially in the open terrace all-round the campus. The total college campus occupies 44596 sq m of green land. The built in area used for construction of buildings and facilities is only 21067 sq m. That is only 28% of green land is occupied by buildings. The open spaces are not paved with impermeable materials hence direct percolation of rainwater after the surface run off takes place naturally which in turn increases the ground water level.

The rain water collected from the open terrace of the building was collected and conveyed through proper conduits provided on all corners of the terrace which is further passed onto the sump and to the natural underground water table. The building construction plan facilitates the details of rainwater harvesting layout. The total runoff water during heavy rains was sent to the nearby channel which is then utilized for irrigation of the agriculture fields available beside the campus. The rainwater harvesting facility was made mandatory for all new buildings in the state of Tamilnadu since 2001. As per the state government guide lines the rain water harvesting installations were constructed and well maintained in our campus since 2009




PRINCIPAL
T.J.S. ENGINEERING COLLEGE
Peruvoyal, Kavaraipettai,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 206.



T.J.S. ENGINEERING COLLEGE

TJS Nagar, Kavaraipettai, Chennai 601206



RAINWATER HARVESTING

SITE PLAN SHOWING THE PROPOSED T.J.S. ENGINEERING COLLEGE, IN.S.NO 70/1, 2, 3A, 3B, 4, 5, 6, 7, 8A, 8B, 8C, 8D, 10, 11, 12, 76/54, 5B, 10A, 10B, 11A, 77/1, 2, 3, 5, 6, 7, 8, 9, 10, 11A, 11B, 12, 13, 15, 16, 78/9, 10, 11, 12, 13, 14, 15, 17, 10/4A, AT PERUVOYAL VILLAGE, NEAR KAVARAIPETTAI GUMMIDIPONDITALUK-601 206	
PROJECT NAME - T.J.S. ENGINEERING COLLEGE TOTAL EXTENT 9.81 ACRE (HECT-3.97) SCALE 1:400 - 1:800	AREA STATEMENT- SQ.FT SQ.MT PLOT AREA 427325.54 39700.00 TOTAL AREA OF BUILDINGS 225778.35 21087.52 PLOT COVERAGE 28.00% F.S.I 0.83 O.S.R AREA 42732.80 3970.00
EXISTING ROAD OSR (87/88/89)	PROPOSED SITE
OWNER T.J.S. ENGINEERING COLLEGE, STRUCTURAL ENGINEER ARCHITECT	



J. S. ...
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 Gummidpoondi Taluk,
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Ar.M.SarathKumar
Architect

Reg.No:CA/2019/113686

STUDIO COMMONS ARCHITECTS

C-9, Radial House, Thiru Nagar, Chennai-600083

M : 9094029560 **E** : studiocommonsarchitects@gmail.com

DATE: 15.02.2022

CERTIFICATE FOR RAINWATER HARVESTING SYSTEM

This is to certify that the Rain water harvesting facilities are provided at **T.J.S Engineering College** situated at Peruvoyal Village Near Kavaraipettai, Gummidipoondi Taluk, Thiruvallur Dist – 601 206, Tamil Nadu .

Signature of the Architect
with Seal

M.SarathKumar, B.Arch
Registered Architect
CA/2019/113686



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Rechargeable Soak Pit



The Rainwater is collected and connect to the Rechargeable Soak pit



[Signature]
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[Signature]
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