



# **T.J.S ENGINEERING COLLEGE**

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

Accredited by NAAC / ISO 9001:2015 Certified Institution.

TJS Nagar, Peruvoyal, Near Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District -601206



# **Compaction Test**

# INVOICE

DATE	19.01.2022
INVOICE #	1
CUSTOMER ID	
DUE DATE	

**T J ARUMUGAM & CO**  
Kavaraipettai


Rs.20,000/- (Twenty Thousand Only)

Subtotal	20,000.00
----------	-----------

**1. Please transfer the payment on below account:**

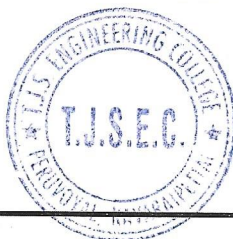
Account Name: **TJS ENGINEERING COLLEGE**  
Account No.: **65 10 10 89 801**  
IFSC Code: **SBIN0011931**  
Current/Saving A/c: **CURRENT ACCOUNT**  
Bank Name & Branch: **STATE BANK OF INDIA**  
**75, GNT ROAD, GUMMIDIPOONDI**  
**TIRUVALLUR - 601201, Tamil Nadu.**

Gross Amount	20,000
<b>TOTAL</b>	<b>20,000</b>



**T.J.S. ENGINEERING COLLEGE**

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







# T.J.S. ENGINEERING COLLEGE

(Approved by AICTE, Affiliated to Anna University, Chennai & Accredited by NAAC)  
An ISO 9001:2015 Certified Institution



## COMPACTION TEST REPORT

**NAME OF CLIENT:** T J ARUMUGAM & CO

**LOCATION :** THERVOY SIPCOT

**TEST NAME:** COMPACTION TEST FOR WETMIX BY SAND REPLACEMENT METHOD

**NUMBER OF SAMPLES:** 4 NOS

**AGGREMENT NO:**

**DATE:** 19-01-2022

Compaction Test On Wetmix Layer As Been Tested as Per The Guide Line For IS 2720-28 (1974) And The Result Are Tabulated Below:

S.NO	DESCRIPTION	SAMPLE 1 (150m)	SAMPLE 2 (260m)	SAMPLE 3 (490m)	SAMPLE 4 (650m)
1	Wt of cone + Full of sand( $W_1$ )gm	7100	7100	7100	7100
2	Wt of cone + sand (after pouring)( $W_2$ )gm	5616	5300	5250	5383
3	Wt of sand test hole + cone of sand ( $W_3$ )=( $W_1$ - $W_2$ )gm	1484	1800	1850	1717
4	Wt of sand in cone only ( $W_4$ ) gm (predetermined)	436	436	436	436
5	Wt of sand in test hole ( $W_5$ )=( $W_3$ - $W_4$ )gm	1048	1364	1414	1281
6	Wt of sample collected from test hole( $W_6$ ) gm	1690	2210	2282	2091
7	Density of sand ( $\gamma_1$ ) gm/cc (predetermined)	1.43	1.43	1.43	1.43
8	Bulk density of sample ( $\gamma_2$ )= ( $W_6/W_5 * \gamma_1$ ) gm/cc	2.30	2.31	2.30	2.34
9	Moisture content (w) %	5.1	5.0	5.2	5.2
10	Dry density of sample ( $\gamma_3$ )= $\gamma_2/(1+w)$	2.19	2.2	2.19	2.21
11	Specified density of sample ( $\gamma_4$ ) gm/cc	2.245	2.245	2.245	2.245
12	Percentage of Compaction ( $\gamma_3/\gamma_4 * 100$ )	98%	98%	98%	99%



*[Signature]*  
HEAD OF DEPARTMENT  
CIVIL ENGINEERING  
T.J.S. ENGINEERING COLLEGE  
PERUVYOAL, KAVARAIPETTAI  
GUMMIDIPOONDI TALUK  
THIRUVALLUR DIST - 601 206

T.J.S.Nagar, Peruvoyal, Near Kavaraipettai, Gummidipoondi Taluk, Thiruvallur Dist - 601 206.  
Phone : 044 27967600, 27967602, 27967604, 27967605, Fax : 044 2796 7606.

E-mail : [tjsivanandam@gmail.com](mailto:tjsivanandam@gmail.com), [tjsivanandam@gmail.com](mailto:tjsivanandam@gmail.com) Website : [www.tjsec.in](http://www.tjsec.in)