



# NATIONAL POWER TRAINING INSTITUTE

An ISO 9001:2008 & ISO 14001 Organisation  
(Ministry of Power, Govt. Of India)  
SECTOR-33, FARIDABAD - 121 003, INDIA

Sr. No. PGDC/16/93

*Post Graduate Diploma Course In  
Thermal Power Plant Engineering*

Issued Under Rule 3 (2-A) of Indian Electricity Rules, 1956 Amended In 1981

*This is to certify that Mr./Ms. Khandavilli S Rama Veda Manikya Sarma*

*Son/Daughter of Shri. Khandavilli Venkata Subrahmanyam*

*has successfully completed one year Post Graduate Diploma in Thermal Power*

*Plant Engineering From National Power Training Institute. Corporate Office. Faridabad.*

*in the year. 2016*

*Bhauve*  
Program Director

*Bhauve*  
Director

*[Signature]*  
Director General

Date: 30 SEP 2016

This Diploma authorizes the holder to operate or undertake maintenance of any part or whole of a generating station of capacity 100 MW and above together with the associated sub station



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Sr. No. PGDC/CO/15-16/93

## POST GRADUATE DIPLOMA COURSE IN THERMAL POWER PLANT ENGINEERING

### MARK SHEET – FIRST SEMESTER

Name: Khandavilli S. Rama Veda Manikya Sarma Roll No. 93

Father's Name: Khandavilli Venkata Subrahmanyam

Duration: 2015 - 2016 Batch No: 20<sup>th</sup>

Name of institute: National Power Training Institute, CO Faridabad, Haryana

Paper No.	Title of Paper - First Semester	Internal Examination		External Examination		Total Marks	
		Max. Marks	Marks Obtained	Max. Marks	Marks Obtained	Max. Marks	Marks Obtained
1	Power Plant Familiarisation-I (Power Plant Introduction & Safety, Generators & Transformers)	50	37	100	72	150	109
2	Power Plant Familiarisation-II (Boiler, Turbine & BOP)	50	39	100	76	150	115
3	Power Plant Operation, Power Plant Performance & Efficiency Calculation	50	40	100	71	150	111
4	Erection, Commissioning & Construction Management, Gas turbine & Combined Cycle Power Plant	50	27	100	69	150	96
5	Power Plant Chemistry, Metallurgy, NDT & Welding, Advanced Steam Generation Technology - Supercritical and FBC	50	40	100	80	150	120
6	Rotation On - job (Operation)	50	42	100	89	150	131
7	Power Plant Briefing & Scheme Tracing	50	46	50	46	100	92
8	Business Communication & Personality Development	50	46	-	-	50	46
	Total	400		650		1050	820

Prepared By

Checked By

[Signature]  
PROGRAM DIRECTOR

Date: .....

Result: PASS



[Signature]  
DIRECTOR



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(Ministry of Power, Govt. of India)

Sr. No. PGDC/CO/15-16/93

## POST GRADUATE DIPLOMA COURSE IN THERMAL POWER PLANT ENGINEERING

### MARK SHEET – SECOND SEMESTER

Name: *Khandavilli S. Rama Veda Manikya Sarma* Roll No. *93*

Father's Name: *Khandavilli Venkata Subrahmanyam*

Duration: *2015 - 2016* Batch No: *20<sup>th</sup>*

Name of institute : National Power Training Institute, CO Faridabad, Haryana

Paper No.	Title of Paper - Second Semester	Internal Examination		External Examination		Total Marks	
		Max. Marks	Marks Obtained	Max. Marks	Marks Obtained	Max. Marks	Marks Obtained
1	Power Plant Protection, Control & Instrumentation, Energy Audit	50	29	100	64	150	93
2	Maintenance Planning & Cost Control, Environment Management, Nuclear Power Plant Familiarization, Renewable & Hydro Power Plants	50	30	100	69	150	99
3	Maintenance Practice & Inspection, Design Analysis	50	31	100	81	150	112
4	Load Dispatch, IT Application in Power Sector & GIS, Power Reforms & Regulations	50	37	100	69	150	106
5	Rotation On - job (Maintenance)	50	44	100	89	150	133
6	Training & visit to Mfrs. Works	50	43	-	-	50	43
7	Simulator	100	78	-	-	100	78
8	Project	50	45	100	90	150	135
Second Semester Total		450		600		1050	799
First Semester Total						1050	820
GRAND TOTAL						2100	1619

Prepared By *[Signature]*

Checked By *[Signature]*

*[Signature]*  
PROGRAM DIRECTOR

Date: *30 SEP 2016*

Result: PASS



*[Signature]*  
PRINCIPAL DIRECTOR

Distinction: 75% and above  
First Division: 60% & Above  
Second Division: 50% to Less than 60%  
Pass Marks: 30% in overall Semester  
Minimum 45% in internal & external examinations separately



**SRI CHANDRASEKHARENDRASARASWATHI VISWA MAHAVIDYALAYA**  
(University established under Section 3 of U.G.C. Act 1956)

**अभियन्तृविज्ञानम् तथा प्रौद्योगिकी सङ्कायः**  
*Faculty of Engineering and Technology*

श्री चन्द्रशेखरेन्द्रसरस्वतीविश्वमहाविद्यालयस्य निर्वाहकसमितिः स्वोयेन मूद्राधिकारेण उद्घोषयति

**खण्डवल्लि एस् राम वेद माणिक्य शर्मा**

अभियन्तृविज्ञानस्नातककक्षायाम् प्रवेशितः / प्रवेशिता तथा मे-२०१५ जातायाम् परीक्षायाम् प्रथमोत्तम श्रेण्याम् उत्तीर्य **एलक्ट्रिकल् तथा एलक्ट्रानिक्स् अभियन्तृ** विभागे उपर्युक्तं उपाधिं स्वीकर्तुं धर्तुञ्च अहं/अह्ना इति अधिकृतैः परीक्षाधिकारिभिः प्रमाणीकृतः/प्रमाणीकृता इति ।

*The Board of Management of the Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya hereby makes known that*

**KHANDAVILLI S RAMA VEDA MANIKYA SARMA**


*has been admitted to the Degree of **BACHELOR OF ENGINEERING** he/she having been certified by duly appointed Examiners, to be qualified to receive the same in the branch of **ELECTRICAL AND ELECTRONICS ENGINEERING** and has been placed in **FIRST CLASS WITH DISTINCTION** at the examination held in **MAY-2015**.*

*Given under the seal of the University.*

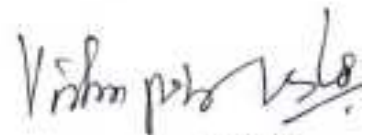
Date : 25.10.2015

C.No.: 150222



  
परीक्षानियन्त्रकः  
Controller of Examinations

  
कुलसचिवः  
Registrar

  
उप-कुलपतिः  
Vice-Chancellor



# श्री चन्द्रशेखरेन्द्रसर

## SRI CHANDRASEKHARENDR

(Declared as Deemed-to-be  
Vide notification No. F 9.9)

Enathu

Disposal No.

CONSOLIDATED

STUDENT NAME : KHANDAVILLI S RAMA VEDA MANIKYA SARMA

REGISTER NO. 11119B049

SL.No	SEM	SUB CODE	TITLE OF THE PAPER	C	G	M & Y
1	I & II	EBU12KT101	ENGLISH	3	B	APR-2012
2	I & II	EBU12PT092	MATHEMATICS I & II	4	C	APR-2012
3	I & II	EBU12GT093	APPLIED PHYSICS	4	A	APR-2012
4	I & II	EBU12HT104	APPLIED CHEMISTRY	4	B	APR-2012
5	I & II	EBU12HT109	ENVIRONMENTAL SCIENCE AND ENGINEERING	3	A	APR-2012
6	I & II	EBU12JT1110	SANSKRIT AND INDIAN CULTURE - I & II	1	A	APR-2012
7	I & II	EBU12DT055	BASIC CIVIL AND MECHANICAL ENGINEERING	3	B	APR-2012
8	I & II	ESU12BCT056	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING	2	B	APR-2012
9	I & II	EBU12AT057	BASIC COMPUTER SCIENCE ENGINEERING	3	D	APR-2012
10	I & II	EBU12DT028	ENGINEERING DRAWING	3	B	APR-2012
11	I & II	EBU12GP041	PHYSICS LABORATORY	2	A	APR-2012
12	I & II	EBU12HP072	CHEMISTRY LABORATORY	2	C	APR-2012
13	I & II	EBU12AP023	COMPUTER LABORATORY	2	B	APR-2012
14	I & II	EBU12DP054	WORKSHOP PRACTICE	2	A	APR-2012
15	I & II	EBU12CP025	ELECTRICAL WORKSHOP	2	S	APR-2012
16	III	BC103T1	ELECTROMAGNETIC THEORY	4	C	NOV-2012
17	III	BC103T2	ELECTRIC CIRCUIT THEORY	4	B	NOV-2012
18	III	BC103T3	THERMODYNAMICS	3	A	NOV-2012
19	III	BC103T4	APPLIED MECHANICS AND FLUID MACHINERIES	3	B	NOV-2012
20	III	BC103T5	ELECTRON DEVICES	4	C	NOV-2012
21	III	CO35T071	MATHEMATICS - III	4	C	NOV-2012
22	III	EBU3JT057	SANSKRIT AND INDIAN CULTURE - II	1	A	NOV-2012
23	III	BC103L1	ELECTRIC CIRCUITS AND DEVICES LAB.	2	S	NOV-2012
24	III	BC103L2	THERMAL ENGINEERING AND FLUID MECHANICS LAB.	2	B	NOV-2012
25	III	BC103L3	LANGUAGE AND CAREER SKILLS LAB.	2	B	NOV-2012
26	IV	BC104T1	DC MACHINES AND TRANSFORMERS	4	A	MAY-2013
27	IV	BC104T2	ELECTRONIC CIRCUITS	4	B	MAY-2013
28	IV	BC104T3	ELECTRICAL ENGINEERING MATERIALS	3	A	MAY-2013
29	IV	BC104T4	NETWORK ANALYSIS AND SYNTHESIS	4	S	MAY-2013
30	IV	BC104T5	OBJECT ORIENTED PROGRAMMING	3	B	MAY-2013
31	IV	BC104T6	MEASUREMENTS AND INSTRUMENTATION	4	A	MAY-2013
32	IV	EE49T077	INDIAN CULTURE - 4	1	A	MAY-2013
33	IV	BC104L1	DC MACHINES AND TRANSFORMERS LAB.	2	A	MAY-2013
34	IV	BC104L2	MEASUREMENTS AND INSTRUMENTATION LAB.	2	S	MAY-2013
35	IV	BC104L3	ELECTRONIC CIRCUITS LAB.	2	A	MAY-2013
36	IV	BC104L4	OBJECT ORIENTED PROGRAMMING LAB.	2	B	MAY-2013
37	IV	BC104P1	INDUSTRIAL PRACTICE	2	S	MAY-2013
38	V	CO35-75E	NUMERICAL METHODS	4	B	NOV-2013

SEMESTER :	I & II	III	IV	V	VI	VII	VIII
GPA :	8.20	7.86	8.96	8.90	8.51	9.25	9.28

Prepared By *shd*

Verified By *L.K*

Assistant Registrar  
UNIVERSITY BUILDING,  
KANCHIPURAM - 631 561.



0000785

# श्री स्वती विश्वमहाविद्यालयः

## SARASWATHI VISWA MAHAVIDYALAYA

University under section 3 of the UGC act 1956  
(U-3 dated 26th May 1993 of the Govt. of India)

Kanchipuram - 631 561

Register No.

## STATEMENT OF GRADES

COURSE : B.E.(ELECTRICAL AND ELECTRONICS ENGINEERING) MONTH &amp; YEAR : MAY - 2015

SL.No.	SEM	SUB CODE	TITLE OF THE PAPER	C	G	M & Y
39	V	BC105T1	LINEAR INTBGRATED CIRCUITS	4	B	NOV-2013
40	V	BC105T2	DIGITAL SYSTEMS	3	B	NOV-2013
41	V	BC105T3	GENERATION TRANSMISSION AND DISTRIBUTION	4	A	NOV-2013
42	V	BC105T4	CONTROL SYSTEMS	4	A	NOV-2013
43	V	BC105T5	INDUCTION AND SYNCHRONOUS MACHINES	4	B	NOV-2013
44	V	EE59T077	INDIAN CULTURE-5	1	A	NOV-2013
45	V	BC105L1	CONTROL SYSTEMS LAB.	2	S	NOV-2013
46	V	BC105L2	INDUCTION AND SYNCHRONOUS MACHINES LAB.	2	S	NOV-2013
47	V	BC105L3	LINEAR AND DIGITAL IC LAB.	2	A	NOV-2013
48	V	BESET1	PSYCHOLOGY	2	A	NOV-2013
49	VI	BC106T1	POWER ELECTRONICS	4	A	MAY-2014
50	VI	BC106T2	PROTECTION AND SWITCHGEAR	4	C	MAY-2014
51	VI	BC106T3	ELECTRICAL MACHINE DESIGN	4	S	MAY-2014
52	VI	BC106T4	MICROPROCESSORS AND MICROCONTROLLER	3	B	MAY-2014
53	VI	BC106T5	DIGITAL SIGNAL PROCESSING	4	C	MAY-2014
54	VI	BC106T6	COMMUNICATION ENGINEERING	3	B	MAY-2014
55	VI	EE69T077	INDIAN CULTURE - 6	1	B	MAY-2014
56	VI	BC106L1	POWER ELECTRONICS LAB	2	S	MAY-2014
57	VI	BC106L2	MICROPROCESSORS AND MICROCONTROLLER LAB	2	A	MAY-2014
58	VI	BC106L3	DIGITAL SIGNAL PROCESSING LAB	2	A	MAY-2014
59	VI	BC106P2	INDUSTRIAL PRACTICE - II**	2	S	MAY-2014
60	VII	BC107T1	COMPUTER AIDED POWER SYSTEM ANALYSIS	4	A	DEC-2014
61	VII	BC107T2	UTILIZATION AND CONSERVATION OF ELECTRICAL ENERGY	4	A	DEC-2014
62	VII	BC107T3	POWER SYSTEM OPERATION AND CONTROL	4	A	DEC-2014
63	VII	BC107T4	ELECTRIC DRIVES	4	A	DEC-2014
64	VII	BC107T5	COMPREHENSION	2	S	DEC-2014
65	VII	BC107EB	ELECTIVE - I POWER QUALITY	4	A	DEC-2014
66	VII	BC107EH	ELECTIVE - II EMBEDDED SYSTEM	4	A	DEC-2014
67	VII	BC107L1	POWER SYSTEM SIMULATION LAB.	2	S	DEC-2014
68	VII	BC107L2	ELECTRICAL EQUIPMENT TESTING LAB.	2	S	DEC-2014
69	VII	BC107L3	ELECTRIC DRIVES LAB.	2	S	DEC-2014
70	VIII	BC108T1	TOTAL QUALITY MANAGEMENT	4	A	MAY-2015
71	VIII	BC108T2	POWER PLANT ENGINEERING	4	A	MAY-2015
72	VIII	BC108T3	PROFESSIONAL ETHICS AND MANAGEMENT	4	A	MAY-2015
73	VIII	BC108E[B]	ELECTIVE - I NON CONVENTIONAL ENERGY RESOURCES	4	A	MAY-2015
74	VIII	BC108E[D]	ELECTIVE - II POWER SYSTEMS STABILITY	4	A	MAY-2015
75	VIII	BC108P1	PROJECT WORK	8	S	MAY-2015

\*\*\*\* END OF STATEMENT \*\*\*\*

CGPA : 8.69 Equal % : 81.29 CLASS : FIRST CLASS WITH DISTINCTION  
SEM - SEMESTER, C - CREDIT, G - GRADE, M & Y - MONTH & YEAR OF PASSING



CONTROLLER OF EXAMINATIONS

Sl. No. **K050787**

03/03034/K050787

**Board of Intermediate Education, A. P.**

Vidya Bhavan, Nampally, Hyderabad - 500 001

**INTERMEDIATE  
PASS CERTIFICATE CUM MEMORANDUM OF MARKS**

This is to certify that **KHANDAVILLI S RAMA VEDA MANIKYASARMA** son  
of **KHANDAVILLI VENKATA SUBRAHMANYAM** bearing  
Registered No. **1103212613** has appeared at the Intermediate Public  
Examination held in **MARCH-2011** and passed in **A GRADE**  
with **ENGLISH** as the Medium of Instruction.

The subjects in which he was examined and the marks awarded are as follows :

Subject	I Year		II Year	
	Maximum Marks	Marks Secured	Maximum Marks	Marks Secured
Part - 1 : ENGLISH	100	084	100	087
Part - 2 : SANSKRIT	100	098	100	090
Part - 3 : Optional Subjects				
MATHEMATICS - A	075	063	075	071
MATHEMATICS - B	075	044	075	052
PHYSICS	060	046	060	050
CHEMISTRY	060	041	060	041
PHYSICS PRACTICAL			030	026
CHEMISTRY PRACTICAL			030	025
ENVIRONMENTAL EDUCATION				
<b>Q U A L I F I E D</b>				
Total Marks In Figures	818 ➡			
In words	*EIGHT*ONE*EIGHT*			
Date	28-04-2011			

Sd/Chaitanya M. Kalasala  
VI Puram, Rajahmundry



Controller of Examinations

# BOARD OF SECONDARY EDUCATION ANDHRA PRADESH

HH 0212196



REGULAR PC/09/08054/112196/1

## SECONDARY SCHOOL CERTIFICATE

**CERTIFIED THAT** **KHANDAVILLI S RAMA VEDA MANIKYASARMA**  
 bearing Roll No **0909105646**  
**S/O KHANDAVILLI VENKATA SUBRAHMANYAM**  
**belongs to** **BHASHYAM ENG MED HIGH SCHOOL RAJAHMUNDRY**  
**has appeared and PASSED SSC EXAMINATION held in MARCH 2009 in** **FIRST**  
**Division with** **ENGLISH** **as medium of instruction.**

DATE OF BIRTH	DAY	MONTH	YEAR
04/04/1994	ZERO FOUR	APRIL	ONE NINE NINE FOUR

### THE CANDIDATE SECURED THE FOLLOWING PERCENTAGE OF MARKS

SUBJECT	Marks Secured (in figures)	Marks Secured (in words)
FIRST LANGUAGE : ( TELUGU / SANSKRIT )	98	NINE EIGHT
THIRD LANGUAGE : ENGLISH	78	SEVEN EIGHT
MATHEMATICS :	99	NINE NINE
GENERAL SCIENCE :	80	EIGHT ZERO
SOCIAL STUDIES :	86	EIGHT SIX
TOTAL :	441	FOUR FOUR ONE
SECOND LANGUAGE : ( HINDI )	90	NINE ZERO
GRAND TOTAL :	531	FIVE THREE ONE
Life Skills Education : GRADE SECURED :		
Marks of Identification :	1. A MOLE ON MIDDLE OF RIGHT FOREARM 2. A MOLE ON CORNER OF RIGHT EYEBROW	

Head of Institution  
with School Stamp

*J. Suresh Babu*  
**HEAD MASTER**  
**BHASHYAM E.M. HIGH SCHOOL**  
**DANAVAIPET,**  
**RAJAHMUNDRY-533 103**

*B. Dasappa*  
**SECRETARY**  
**BOARD OF SECONDARY EDUCATION**  
**A.P., HYDERABAD**

Date of issue : 27.05.2009

1. Life skills Education - The Grade shall be incorporated by the respective Head of the Institution before delivery of the certificates to the candidates.
2. Any corrections in the certificate will not be entertained after one year from the date of issue.
3. Any unauthorized correction in the certificate will result in cancellation of same.
4. The Marks with asterisk indicate the old marks secured in previous appearances. **2009**

