

Home (1918) Department.

(Education)

Misc. SERIES.

G.O. No. 1326

DATED 9-10-18

[Despatch Abstract.]

SUBSIDY.

Sanctioning the payment of an additional-----
of Rs.10,000 to the Chittoor district board towards the cost
of equipment and the formation of a library for the newly
opened Board High School, Madanapalle.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Local Fund

DEPARTMENT.

CN-238-A

23. 9. 18

No.

Received 191 Registered 191

SUBJECT.



ENCLOSURES.

No.

No.

Spare copies

Station Madanapalle, Dated the 12-8-1918 191

From (Name) M.R.Ry., Nemali. Pattabhi Rama Rao, Gatu.B.A

(Designation) President, Taluk Board, Madanapalle.

To The Secretary to Government

Home (Education) Department,

Sir,

Madras.

Through (1) The President, District Board, Chittoor

(2) The Inspector of Schools, 111 Circle Bellary.

and the Director of Public Instruction, Madras.

Sir,

I have the honour to state that the complete ---

Secondary School sanctioned for this place in G.O.No.757 dated the 11th June 1918 has been started with effect from the 10th July 1918 and all the teachers except the Drill Instructor have joined their respective posts. Though the School was started late in the year about 140 boys are now on the rolls and the strength in the VI form which is now 40 would have been more if there had been more accommodation and provision for another Assistant. The strength both in the High School and Middle School classes is now to be considerably greater next year: so that it is evident that there was more than a need for another High School.

C.O. No.

I thank the Government on behalf of the public of this division for enabling the Board to start this High School.

2. Instruction in 2 groups viz., (1) Mathematics and Physics and (2) History and Telugu or Sanscrit has been provided for as a number of boys of the old Theosophical High Schools both of this place and of Proddatur have obtained admission in this Board High School and their special subject is Physics and Mathematics. Accordingly, provision has to be made for the supply of necessary apparatus &c., at an early date.

3. In G.O.No. 757 dated 11th June 1918 funds to the extent of Rs. 2040 have been provided for meeting the cost of furniture, books maps, apparatus and contingencies. This amount is quite insufficient as indents (herewith submitted) have been received for Rs. 10,400 as per details in the margin.

Deducting the grant viz., Rs. 1800 already made for these items excluding the allotment under contingencies amounting to Rs. 240, the amount still required to

1. Furniture.	Rs. 3,150
2. Science apparatus)	6,000
science furniture)	
"chemicals.	
3. Books & maps.	1,000
4. Extra amount	
required under	
contingencies for	
the transit charges,	250
of furniture lent	
from Chittoor and	
elsewhere.	
Total.	10,400

equip the School comes to Rs. 8600.

It will be observed that no provision has been made for a general library for the School. ^{It is} I think highly necessary that a High School should at least have a modest library for the acquisition of general knowledge beyond what is imparted from School books in the classes and I have therefore the honour to request that Government will be pleased to make a special grant of a sum of Rs. 10,000/- so that the School may be properly equipped. I request that the orders of ~~the~~ Government may be ^{kindly} communicated to me by wire to save delay.

4. I enclose the copy of Taluk Board Resolution No. 31 dated the 10th instant sanctioning the indents.

I have the honour to be,

Sir,

Your most obedient servant,

DESPATCHED

17 AUG. 1918

Note - It is not clear whether the sum of Rs. 10,000 includes Rs. 8,600 or not

President

Proceedings of the Madanapalle Exam Board for its meeting held on Saturday, the 10th August 1918, in the office at Madanapalle at 4 P.M.

Present

Non-officials

Mr. N. Venkateswara Rao Pansalu Gari B.A.

1. " Mr. Nazir Ali Sahib Bahadur.
2. " B. Sankar Rao Gari B.A.B.A.
3. " R. C. Ramesh Sengar Sol.
4. " K. Raghunadasappa Gari.
5. " A. Narayana Gari.
6. " B. Konda Reddi Gari.
7. " C. Venkasa Reddi Gari.
8. " N. N. Nagana Reddi Gari.
9. The Rev. Joseph John.

Officials

10. Mr. S. A. Krishna Sivar Sol. B.A., Secretary of Madanapalle

** ** *

31. Read indents for furniture, science apparatus, science furniture and chemicals and also for maps required for the Board High School, Madanapalle.

The President proposes to sanction the necessary funds and to apply to Government for the additional subsidy required as detailed below.

Amount required for furniture:	Rs. 3,150
" for science apparatus	
science furniture and chemicals.	Rs. 6,000

C.O. No. 7

B.F

Rs 9,150

was required for books and maps Rs 1,000

" contingencies in excess of the
amount sanctioned by } Rs 250
Government.

Total Rs 10,400

Government grant for initial
equipment. books, maps, furniture } Rs 1,800
and science apparatus to be Rs 4,000.

57 dated 11.6.1918.

Net amount required Rs 8,600

Conclusion: The incidents are sanctioned and the
Government should be requested to grant
the additional amount required.

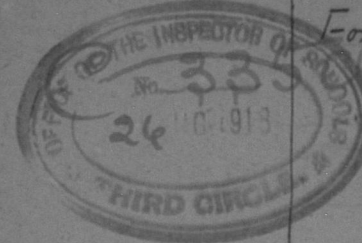
* * * * *

13d / N. Patankhiraamadas
President

/ True extract /

[Signature]
17.8.18
President

15.8.1918.



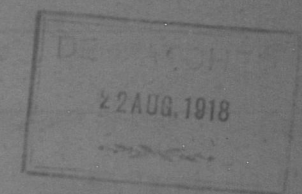
Cur. No. 1214/23.718.

Forwarded for favour of sanction.

[Signature]

Prinout

Dr. Boudhica Chetani }
20.8.1918 }
1918



Ref. on C. No. 335 Ch/18
Dis-

6
5
OFFICE OF THE INSPECTOR OF SCHOOLS,

THIRD CIRCLE, BELLARY,
Camp Station, Puttur.

Dated 31st August 1919

From

M.R. Py.A.Rama Rao Avl., B.A.,
AG. INSPECTOR OF SCHOOLS,

THIRD CIRCLE,
Bellary.

To

THE DIRECTOR OF PUBLIC INSTRUCTION,
MADRAS.

SIR,

G I have the honour to submit the enclosed papers relating to the indent for furniture, apparatus and books required for the Board High School, Madanapalli and to state that as the institution is a complete High School started for the first time, the sum of Rs.2,040/- provided in G.O.No.757 dated 11-6-18 is hardly sufficient to meet even a third of the very essential requirements of a High School. At present for want of laboratory in the Board High School, students are being taken to the laboratory of the Theosophical College under some arrangements entered into between the Headmasters of the two schools.

I therefore recommend that early sanction may be accorded towards the payment of a subsidy of Rs.8,600/- to meet the cost of books, furniture, apparatus e'c., for which indents are herewith submitted.

In the concluding portion of his letter the President requests sanction for a special grant of Rs.10,000/- towards the formation of a general library. This is evidently a new item and a consideration of this may be deferred

deferred till detailed lists of books are received from
the President.

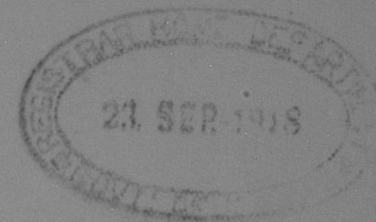
I have the honour to be,
Sir,

Your most obedient servant,

Rama Ray
Ag. Inspector of Schools
III Circle.

B.S./2-9-18.

N. R. C. No. 7560/1918 dated 20 September 1918.



Submitted.

2. A lump grant of Rs. 10,000 for equipment including Rs. 1400 for library is recommended for sanction, the charge being met from the provision of 2.09 lakhs in the current year's budget estimate under "22 Education - opening new Board High Schools and new Middle Schools".

3. On receipt of the sanction of Government in the matter, the Inspector of Schools, will be required to see that the amount is expended on approved articles and that the vouchers are checked.

Rama Ray

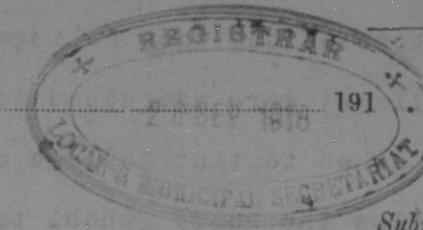
for Director of Public Instruction,

The Secretary to Government, Home (Education)

Y.V./20/9

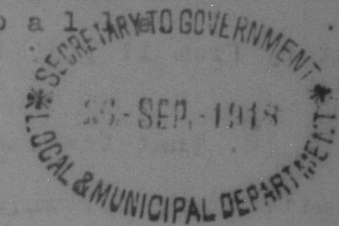
LOCAL & MUNICIPAL DEPARTMENT.

Received

Registered C.No. 51394191
26-9-18

Subject.

Sanction for the use of the Laboratory attached
to the Wood College, Madanapalle



ENCLOSURES

No.

Spare copies

R.O.C. No. 1309-T-B-8.

Station Madanapalle, Dated the 16th September 1918



From (Name) M.R.V. Nemali Pattabhirama Rau Pantulu Garu,
B.A.,
(Designation) President, Taluk Board, Madanapalle.

To The Secretary to the Government of Madras,
LOCAL & MUNICIPAL Department.

Through
Svt,

The President, District Board,

Chittoor.

N No. 1214 Leg. Sir.

Forwarded for favour
of early order on Receipt
1 of this letter and for
Approval of the arrange-
ments mentioned in
Paragraph 2.

Chaitanya
26/9
Perioud D. B.
Chaitanya

1494

In my letter R.O.C.No. 44-S-O of 1918 dated
12th August 1918, I represented to Government that the -
amount sanctioned by Government in their Order No. 757 -
dated 11th June 1918 for furniture and science apparatus
required for the Board High School, Madanapalle, was quite
inadequate and applied for additional funds required for
the purpose. Government have not as yet been pleased to
pass orders sanctioning the amount asked for. I trust -
they will kindly sanction the amount at an early date.

2. With a view however that practical instruc-

tion in physics for students who have taken it for their optional subject may not suffer. The authorities of the Wood College, Madanapalle (the late Theosophical College) were addressed for allowing the use of the laboratory attached to that College and they very obligingly have agreed to allow the Board School to use it on the following terms :-

1. That the Board School can have the use of the ----- laboratory from 11 A.M. to 1 P.M. on all week days except Saturdays,
2. That the laboratory peon of the Wood College should be in attendance for which the Board will pay him a wage of ---- Rs.3-8-0 per month,
3. That for Kerosine Oil and Methylated spirit and for wear and tear and breakages a sum of Rs.15/- should be paid to the Wood College,
4. That instruments and appliances damaged should be ---- restored and broken ones replaced,
5. That the Wood College authorities reserve the right to alter the terms as to hours and cost and to terminate the arrangement on a fortnight's notice if necessary.

By kind permission of the Wood College principal the above arrangement has been already entered upon and a copy of the Taluk Board Resolution No. 19 dated the 7th instant sanctioning the arrangement as a temporary measure till the Board High School is equipped with the required laboratory is enclosed as also a copy of the --- endorsement of the Inspector of Schools, III Circle, Bellary, R.O.C. No. 318-Ch. of 1918 dated 22-8-1918 recommending the same. I have the honour to request that Government will be pleased to give their approval to the arrangement above referred to.

DESPATCHED
18 SEP 1918

I have the honour to be,
Sir,

Your most obedient servant.

Sd/Abhraman Rau
16.9.18
President.

A.S.T.16th.

Letter of the Head Master, Board High School, Madanapalle N^o 68
13.8

R.C.No. 318-Ch of 1918.

Forwarded to the President, Taluk Board, Madanapalle, and recommended that the arrangements proposed by the Head Master may be approved and sanctioned.

Sd/.A.Rama Rau,
AG. Inspector of Schools,
Bellari.

(True copy)

Sd/Abhraman Rau
16.9.18
President.



DESPATCHED
18 SEP 1918

12
Extract from the proceedings of the Madanapalle Taluk

Board passed at its meeting held on the

7th September 1918.



Present.

Non Officials.

M.R.Ry.Nemali pattabhirama Rau pantulu Garu, B.A., President.

1. Mir Nazir Ali Saheb Bahadur,
2. M.R.Ry.R.C.Rama Iyengar Avargal,
3. " M.K.Venkatachaliah Garu,
4. " N.Narayana Reddy Garu,
5. " V.Raghunatha Reddy Garu,
6. " R.Venkataswami Naidu Garu,
7. " C.Venkata Reddy Garu,
8. " B.Konda Reddy Garu,
9. " K.Raghavendrappa Garu,
10. " B.Ananta Rau Garu, B.A.B.L.,
11. " A.Naranappa Garu,
12. The Rev.Joseph John,

Officials.

13. A.Mc.G.C.Tampoe Esquire, I.C.S., Sub Collector, Madanapalle
14. M.R.Ry.S.A.Krishna Iyer Avargal, B.A., Tahsildar, Madanapalle.

19. Read endorsement R.O.C.No. 318-Ch. of 1918 dated 22-8-1918, from the Inspector of Schools, III Circle, Bellary, recommending --- approval of the arrangements made by the Head Master of the Board -- High School, Madanapalle, for the use of the Laboratory attached to the Wood College, Madanapalle, as per terms proposed by the Principal of the above college.

Resolution :- The arrangement is sanctioned.

Sd/.N.Pattabhirama Rau,
President.

(True Extract)

DESPATCH
18 SEP 1918

A.S.T.16th.

Nemali Pattabhirama Rau
16.9.18
President.

Home (Edn) Dept.

CR 2385A. From the D.P.T., R.O. 75 to 76. 21. 9. 18.

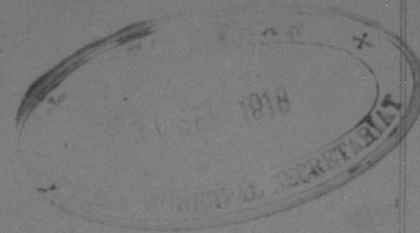
Subject. Subsidy for the equipment of the Board high school, Madanapalle.

① Please see para 3 of G.O. No 757 Home (Edn), dated the 11th June 1918, in which the Govt sanctioned the opening of a new high school^(at Madanapalle) in the place of the Theosophical high school which had ceased to be a recognised institution. A sum of Rs 2,040 was sanctioned for the equipment of the school. This amount is almost the same as that sanctioned for the equipment of ^{each of} the incomplete secondary schools, which, it was decided in the G.O. to develop into complete high schools. But as the Madanapalle school is entirely new and as the middle + high school classes are ^{all} opened for the first time in the current year the amount already sanctioned for

Annexure II,
p. 8 of G.O. ①

Annexure I
p. 8 of G.O. ①

1309 9/18
7/3



pages 1 & 2 of cf.

The need for laboratory is imperative and the arrangement under which the Board School profits attend the Philosophical Class should be put an end to very early

p. 8 of cf.

& non recurring

for equipment is found to be hardly sufficient for the requirements of the institution. The President, Taluk Board, Madanapalle, therefore applies for an additional subsidy of Rs 800 towards the equipment of the school. He also asks for a grant of Rs 10,000 for the formation of a general library for the school. The D.P.T. recommends that a subsidy of Rs 10,000 (Rs 8,000 for equipment, & Rs 1,400 for general library) may be sanctioned at once. This may, it is submitted, be done. A draft order is placed below for approval. It may be sent to ^(XXXX) for acceptance.

8th
25.9.18

26.9.18

LTM

Ful Mo

27.9.18

27/9/18

Time (EST)
C. No. 2385A-1

27.9.18

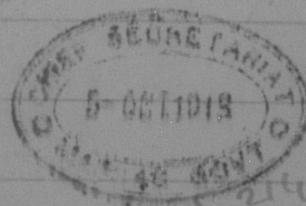
C. No. 5214
30.9.18

Let sep

A letter from the P.T.B, Madanapalle

On the same subject since received in this department has been added to the current file. In that letter the President requests that early orders may be passed on his application for additional funds for furniture and service apparatus required for the Board High School, Madanapalle and that the arrangements entered into by the Taluk Board with the authorities of the Wood College in regard to the use of the laboratory attached to that College by the boys of the Board High School may be approved. In the draft order in the present case it is proposed to sanction a grant of Rs 10,000 (Rs 8,600 for equipment including the laboratory and Rs 1,400 for general library) and the Taluk Board will, it is presumed, be soon in a position to discontinue the arrangements made with the authorities of the Wood College. The draft order may, it is subd, be accepted in this department and the file passed on to Financial

cf Home (SW) sept
on page 2 intro



2000.0.524-
2/x/

8423

Regd 5-1018

V.TK
2/10

Fin^l u. o.

P.T.O.

16 13 4
Financial dep!

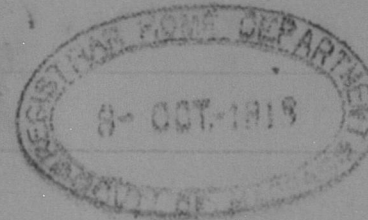
Subd. that the draft may be
accepted.

File no 8423-1
8-10-18

6.16.
6-X-18.

Home up

CL. 8.10.18



may issue.

CL
8.10.18

Issue.

I But in addition we have to
formally sanction the interim
arrangements with the D.D.

Consult D.D. on this point-

WV
9/10/18

Subsidy. Sanctioning the payment of an additional subsidy of Rs 10,000 to the Chittoor District Board towards the cost of equipment and the formation of a library for the newly opened Board high school, Madanapalle. 1918. (G)

READ ALSO:-

C. No. 2385A From the President, Jaluk, No. , dated 12.8.1918.
Board, Madanapalle

" " " " End of the D.P. No. 756, " 20.9.1918.

" " " " " " " " 191

ORDER.

No. 1326, dated 9-10-1918.

Mis

(non recurring subsidy)

D.P.I. and
on page 8 CF

The Govt sanction the payment of an ^(additional) subsidy of Rs 10,000 ~~towards~~ to the Chittoor District Board towards the cost of equipment and the formation of a library for the newly opened Board high school, Madanapalle. The A.G. is requested to place the amount at the disposal of the District Board at a very early date.
2. The expenditure will

$\frac{8K}{25-9.18}$
 $\frac{a}{27-9.18}$
 May 27/9/10

Page 136 CBS

7
70

25 ms
9/10

The D.P.I.

" P.D.R., bitters.

" A.G. throughline

" Int. Dept.

" L.H. Dept.

No.	Description.	Approximate Price.
2.	Table with two drawers (one for the Clerk another for the office with good lock and key arrangement) 5 ft x 3 ft 3 in.	40 . .
2.	Table without drawers for the teachers' Common room. (5 x 4 ft).	25 . .
10.	Table with sloping desk for Classroom used to be placed on the platform (3 ft by 2 ft).	50 . .
10.	Bug proof Chairs for Class room use.	50 . .
15.	Rattan bolted Chairs.	
	10 Common room.	120 . .
	2. Writers room.	
	3. Office room.	
2.	Almirahs for the teachers' Common room each with 5 compartments and separate doors for each compartment and lock arrangement. (8' 2" x 3' 6" depth 1 ft 5 in.)	120 . .
2.	Almirahs big size one for Clerk's room and another for the office. (6 by 3 1/2 ft).	110 . .
8.	Platforms for each class. (5 x 4, 1.5" Ht).	120 . .
2.	Record boxes for S. S. L. C. books and other records. (4 by 3 ft).	30 . .
1.	Map stand for 15 maps.	10 . .
1.	Record rack (5 by 6 ft) divided into three rows.	20 . .
10.	Black boards divided into one inch square on one side with cases complete. (4 1/2 by 3 1/2 ft).	200 . .
95.	Desks of the approved pattern with varying heights: each to seat two pupils	
	VI. Form 20 desks.	1900 . .
	V. Form 15 "	
	IV. " 15 "	
	III. " 15 "	
	II. " 10 "	
	I. " 10 "	
	IV. Standard 10 "	
	95.	
1	Iron safe	200 . .
	By freight, cartage &c	155
	Total	3145

2nd cut for the Science apparatus for the Board
High school Madanapalle.

16

No in the Catalogue of Materials Hargolal.	Quantity required	Description of apparatus.	Cost	Remarks.
1284	2 gross	Corks - assorted, 1 to $\frac{1}{8}$ " diameter	7 . .	
1450(3)	2 lbs	Quill tubing external diameter		
		Soft glass tubing 5 m.m. external diameter	4 . .	
(4)	2 lbs	" 7 m.m. — do —	4 . .	
	2 lbs	" 3 m.m. — do —	6 . .	
1455	1 lb.	Thermometer tubing 1 m.m. bore	6 . .	
328A	2	Barometer tubes 36" long.	2 8 .	
1460B	12 ft	India rubber tubing for pressure work	12 . .	
1460A	30 ft	— do — 3 m.m. bore.	9 . .	
	21 ft	— do — 5 m.m. bore.	7 . .	
	6 ft	India rubber cord 6 m.m. diameter	12 . .	
	12	glass beakers $2\frac{1}{2}$ " high $4\frac{1}{2}$ " diameter	45 . .	
	12	— do — $3\frac{1}{4}$ " by 2" "		
	12	— do — 5" by $3\frac{1}{2}$ " "		
	12	glass flasks round bottomed 1 liter	36 . .	
	12	— do — 500 c.c.		
	12	glass beakers Conical 250 c.c.	15 . .	
	24	Corks suited to fit flasks above.	2 . .	
1474	3 sets	pipettes 2 each 5, 10, 25, 50 & 100 c.c.	24 6 .	
1501	20	Spirit lamp porcelain with holder 100 c.c.	40 . .	
	24	Watch glasses 5" diameter	2 . .	
1167	100 g	porcelain basin $8\frac{1}{2}$ c.m. —	9 . .	
1369A	6	glass funnel $7\frac{1}{2}$ c.m.	3 1 .	
	12	— do — 4 c.m.	3 12 .	
1417E	12	U. tube stoppered with side hole in stopper 5" sides	2 8 .	
1481A	12	T. shaped glass tubes 5 m.m. bore	6 . .	
	6 sheets	Card board different thickness	1 . .	
	200 g	Leak tubes thick 6" by 1"	7 . .	
	200 g	— do — 5" by $\frac{1}{2}$ "	6 . .	
401	3 sheets	Emery paper medium & fine	4 4 .	
	3 sheets	Card paper.	1 4 .	
402	2 lbs	Lead shot	2 . .	
	2 lbs	paraffin high melting point.	2 8 .	

315	1 lb.	prunice stone	273	3	12
	3 lb.	potassium arsenomale	11	8	
	4 oz	potassium permanganate	4		
	1 lb.	glycerine	4	8	
419	2 lb.	terpentine	1		
423	4 lbs	Copper Sulphate	5		
	1 lb.	iron nails	8		
	1/2 lb.	Copper nails	4		
	1/2 lb.	iron wire No 20 S.W. G.			
	1/2 lb.	— 28 S.W. G.			
	1 oz	steel wire No 28	2	8	
	1/2 lb.	Paras wire No 28			
	2 lbs	ether	8		
	1 lb.	Caulic Soda.	8	8	
1347A	2 quires	filter papers	6		
	2 lbs	Naphthaline balls	2		
	20 lbs	Mercury	120		
430	3 lbs	Cal ammoniac	6		
	1 lb.	iron filings	12		
	2	Watch springs	2		
	1 Reel	Silk fibre for suspension	4		
	100g	Steel knitting needles	12		
	1 lb.	Vaseline petroleum	1	12	
27	2	Spherometers	17	8	
1259	2	mineral clamps medium size	7		
	4	Spring balances to read up to 8 lbs in 2g	25		
	8	— 200 gms in 5 g			
200A	4	Hexagonal iron weights ringed in	24		
		50 gr to 1 kilo sets			
	1	French pattern balance with index	30		
		pointer and brass pans to carry 2 kilos			
209	8	Specific gravity stools 250 gr balance	4		
1144	4	N. tubes with arms of unequal	18		
2		diameters with stands 18" high			
1146E	4	Waxes apparatus.	48		
1484A	4	Common Hydrometers reading	16		
		from 7 to 10.			
1483A	2	Common Hydrometers reading	9		
		from 1.0 to 1.3.			

6617

		Wilson's Hydrometer	14		
		medium size weirs.			
1482A	4	gases for the above	10		
46B	2	Boxes of weights from 10 gr to 200 grams			
		Socket and cylinder for the			
		principle of archimedes.	8		
1078 G	1	Fortius standard barometer 3"			
		bore with 2 scales and vernier and	120		
		attached thermometer in good condition			
1078 J	1	Aneroid barometer in working order	30		
1007	1	Working model of force and	15		
		suction pump.			
960	1	Air pump.	60		
51C	3	Bozfilan apparatus with sliding			
		arrangement with air tube attachment	60		
1121	2	Candle seconds stop clocks	50		
1127A	2	Friction boards for friction experiments			
		with glass & wooden surfaces each	18		
1226A	2	2 lined plane apparatus with a			
		heavy roller and a pan.	32		
1092	6	Single pulleys (aluminium) extra	15		
		superior small size.			
1092A	6	.. double one row	18		
1379C	2	Funnel holders	7		
1155A	1	Rain gauge	8		
1155A	1	Coiled silk a piece	8		
1476A	2	oz. glasses 2 oz & 4 oz each	16		
521E	1	Model of brain	25		
521H	1	Model of heart	16		
521H	1	Model of lungs	30		
465A	1	Model of eye	25		
963	1	Bell jar shopped for air pump	4		
996	1	Magdeburg Hemispheres	10		
465	12	Lead spheres with hooks 3/4" dia	6		
		dropping plate apparatus			
	18	Thermometers graduated 10 to 110 C	60		
1536	6	Flasks with side tubes 250 c.c	6		

13205

162A	-6	graduated.	
225	1	Frame and glass ball & ring	3
		Thermometer tubes.	
221A	1	Apparatus for measuring the coefficient of linear expansion	20
223	1	Apparatus for the Co-efficient of expansion of air	40
412	1	Rectangular glass trough ^{large size} 20x10x6 c.m.	12
269B	12	Thermometers graduated in $\frac{1}{10}$ up to 50C	84
296	12	Copper Calorimeters 3" high & 2" diameter	24
299A	3	Cylindrical boilers copper	21
	1	J tube apparatus for determining boiling points.	28
1017	1	Equilibrium of liquids in 5 tubes	58
316	1	Wet & dry bulb Thermometers with scales	10
313A	1	Regnault's Hygrometer	50
313	2	— do —	18
461	1	Aspirator with brass stop cocks	68
	4	U. tubes for chemical Hygrometer	4
321	1	Vapour pressure apparatus	14
278	1	Six's Max. Min. Thermometer	10
228	1	Compound bar of brass and iron	18
293	4	Latent heat trap glass	68
1011	1	Barahmah press	14
1674	100g	Iron Tripod 20 c.m. High	9
1667	6	pipe clay triangles 5 c.m.	18
1692	12	Wire gauge iron 6" Lg	18
1162	6	Asbestos wire Band 6" Lg	24
1538	2	Nozzle & pebble 6" diameter	6
1563	2	pneumatic trough 25 c.m. 10" high	12
1540B	1	Air oven about copper	25
1523	2	primus stove No. V	36
1527	1	Bunsen Burner	40
1656A	6	Test tubes holders	9
1532A	1	Mercury trough porcelain 23 c.m.	6
1533	2	— do — oblong form	5
1590A	12	Retort stands 22" rods	24
1589A	6	— do — rings brass open 60 to 65 c.c. dia	9
1587A	6	— do — 3 1/4"	6
1587A	6	— do — 4 1/2"	6 12
			1871 5

1592A	6	Retort clamps to take in tubes up to 5 c.m.	21
1590	6	— do — smaller size	9
	3	Camel hair brushes round 1/2"	18
2	10	metre scales boxwood graduated	20
26A	2	Metre scales graduated in c.m. with boxwood Vernier bits	9
4	12	Foot rule boxwood	12
	12	sawing boards 12" by 15 3/4" clamped	50
	2	T. Square strong edged 24"	3
	2	Set square pearwood 8" 45	2
400g		sawing pins 13 m.m. diameter	6
	1	Beam compass 40" long	28
140	2	Spiral level 8"	28
	1	Technical school case of No. 100 Thermal instruments	5
25A	1	Model of circular Vernier Barometer	10
	2	parallel Rule 6"	10
19A	2	circular protractor with 2 rows of figures 4" diameter	6
184	3	Vernier calipers to read to 1 m.m.	27
19	3	Microscope screw gauge to read .01 mm	36
1473	8	cylindrical gas graduated 50 c.c. in 1 c.m.	16
1473	8	— do — 100 c.c. in 1 c.c.	24
1475	2	Litre flask with single mark to measure 1000 c.c.	8
	2	— do — 500 c.c.	7
	2	— do — 250 c.c.	6
1471	8	Retort stands to 50 c.c. in 1 c.c. with proper glass top & of h.	58
48A	8	Specific gravity flask with perforated stopper 25 c.c.	17
	8	— do — 50 c.c.	18
48C	6	Nicola density tube 10 c.c.	10
42	16	cylinders accurately turned 1/2" by 1" of the following materials: iron, brass, copper, aluminium & each.	16
42	4	brass cylinders 3/4" dia ranging in length from 1 1/2" to 3" in length.	48

			8	3334	
437	21	Lehmann's		12	
	4	Convex lenses $3\frac{1}{2}$ " halves not mounted	3		
	4	Concave lenses — do — do —	3		
426	2	Concave mirrors mounted	14		
430	1	Convex mirror without support	5		
407A	1	parallel mirrors	8		
	2	Hollow glass prisms 4" face	4		
	4	Blackened metal plates with narrow slits 1" long in centre	18		
381A	1	Optical bench	50		
488	1	Stereoscope with slides with views	9		
386	1	Camera on stand	45		
482	1	Telescope	25		
389	1	Camera accessories & plate	15		
403B	1	Angular mirror	5		
	$\frac{1}{2}$ lb.	Copr wire 24 S.W. by $\frac{1}{2}$ lb.	2	8	
	$\frac{1}{2}$ lb.	German silver wire 28 S.W. by $\frac{1}{2}$ lb.	2		
958	6	Battery terminals 958 D (4) 958 B F 6	8	8	
818	1	Volta simple cell with binding screws	3		
843	1	Daniell's battery 6 cells 1 pint capacity	40		
	6	Spare Zincs for above.	12		
851A	1	Leclanché cell	6		
862	1	Copper wire 1 lb.	8		
904A	1	Wheatstone bridge	15		
905	1	Tangent galvanometer	40		
924	1	Induced current apparatus	20		
931A	1	Telegraph single needle	25		
938	1	Electric Bell & rack	10		
934	1	Commutator	8		
945	1	Battery telephone pair	45		
863	1	Fine platinum wire 1 lb.	2		
887	1	Voltmeter	10		
598	1	Lead stone	3		
600	1	Horse shoe magnet 6"	1	12	
601	pair	Flat bar magnet 6"	2	4	

3797.8

			9	3797.8	
604	1	Electro magnet 6"		5	
608	1	Magnetic screen		3	
613A	2	Magnetic needles on stand 4"		4	
618	1	Maxwell's Compass		25	
619	4	Compass for tracing lines of force		18	
621	1	Dipping needle		10	
642	1	Overhead apparatus		38	
366	3	Candle holder on adjustable stand for one candle		78	
369	3	" " for 4 candles.		108	
370	2	Rumford's shadow photometer		7	
372	2	Bunsen's gas spot photometer on adjustable stand.		10	
356	1	Apparatus for showing the rectilinear propagation of light		8	
356B	1	pinhole camera.		4	
357	2	Ground glass lenses to be regulated to any height		6	
415	2	Refraction trough with a ground graduated semicircular vertical side & an opaque diametrical side with a vertical slit in the centre		12	
494C	1	Large lecture lantern with Acetylene light arrangement. Slides Solar eclipses, The tides, Solar system spectrum. The seasons. phases of the moon; day & night Welcome; Good night Lin had the sailor Romeo & Juliet The sin & the magic lamp		120	
832	1	Bunsen's battery small size 1 pint		7	
820	2	Richman's cell.		18	
874	1	Small dynamo with lamp & driving gear		15	
267	2	Iron vessel for finding the boiling point of thermometer.		8	
272	2	Model thermometer for expansion of gas & liquids.		4	

4119.8

299A	4	Heater for calorimeter	4119 8 .
1003	1	Light pump	14 . .
1025	1	Pascal's Law apparatus	12 . .
1036	1	Water capillarity vessel	42 . .
1028	1	Centrifugal figure	2 . .
1040	1	Glass cylinder for the above	12 . .
1114	1	Lines apparatus	2 . .
1113B	1	Apparatus to verify the law of moments	58 . .
1275	1	Leibig's Condenser	4 . .
	12	Test tube Brushes	15 . .
	2	Burette Brushes	6 . .
			4 . .

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422 10 .

Add Ry freight from Shubala and cartage from Ry Station.

350 10 .

Total

5000 . .

Extra amount to meet periodical indent

320

Rs 5320

Adnanabharan
17.8.18

President

161
14.8.18

Indent for furniture required for
Science Laboratory Board High school
Madanapalle

No.	Description	Amount.	
12	Strong and heavy teak tables 4' by 4' each about Rs 15 each.	180 . .	
10	Stools each about Rs 3.	30 . .	
6	Strong teak 6' x 4' about Rs 55 each	330 . .	
		540 . .	
	Ry freight & cartage &c	60 . .	
	Total indent	600 . .	

Adnanabharan
17.8.18

161
17.8.18

President

2nd cent for chemicals for the Board High School Madanpalle.

28

Quantity required	Description of articles	Cost.
6 ltr.	Hydrochloric Acid	54.
8 ltr.	Nitric Acid	10.
12 ltr.	Sulphuric acid	48.
1 ltr.	Ammonia liquor	2.
4 oz.	Copper oxide pure	18.
1 ltr.	Hydrogen peroxide	38.
1 oz.	Iodine	18.
1 ltr.	Iron filings	12.
6 lbs.	Magnesium ribbon	12.
1 ltr.	Magnesium sulphate	8.
1 ltr.	Marble chips	2.
4 oz.	Red oxide of mercury	28.
2 lbs.	Manganese dioxide	18.
1 oz.	phosphorus yellow	18.
2 lbs.	potassium metal	3.
1 ltr.	potassium chlorate	5.
1 oz.	potassium ferri cyanide	12.
1 oz.	Sodium metal	3.
1 ltr.	Sodium carbonate pure	2.
1 ltr.	Sulphur roll	10.
1 ltr.	Flores of sulphur	1.
2 lbs.	Zinc granulated	4.
1 oz.	Silver nitrate crystals	3.
	Sponge pieces one big	12.
24	Rubber corks assorted.	12.
		71.

Rs 80 in round figures

Eda Kalluram Pillai

President

10/17-3-18

2nd sent for books required for the Board High school Madanapalle.

23

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			Rate per copy	Amount	
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12	— 00 — No 2	2	12.	18.	— 00 —
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