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G.O.Ms.no: 434W. P.W.D.
Dt: 7-2-1888.

S.G.R.

7TH FEBRUARY 1888, No. 434 W., PUBLIC WORKS.

434/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Colonel A. C. TOKER, Deputy Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 28th January 1888, No. 174 M.W. :—

I am directed to forward a copy of the letter, marginally noted, from the Director-General of Ordnance in India submitting a revised statement * of buildings of the Gun Powder Factory at Madras, showing what are really essential and should be maintained, and what are superfluous and should be removed.

No. 74 E. (Tour), dated 21st December 1887.

2. With reference thereto, I am to say that the Government of India sanction, as recommended by the Director-General of Ordnance, the removal of the following buildings :—

No. 25, Machinery store.
No. 37, one of this group numbered in the factory list as 38 B.
No. 55, Coal-shed No. 2.

It is also said that No. 50 "Store-room for Public Works Department" is not required by the Ordnance Department. If not necessary for the Public Works Department, it also should be removed.

3. As regards the remaining buildings which appear to require special repairs, I am to ask that, under the orders of the Governor in Council, instructions may be issued to have them all examined, and that a report may be furnished to the Government of India showing what is necessary to restore them to good condition, and what buildings it would be advisable to rebuild, and the probable cost.

4. I am also to ask that early steps may be taken to have the numbers on the buildings in question made to correspond with the numbers the buildings bear in the Public Works Department list.

5. With reference to paragraph 4 of the Director-General of Ordnance's letter, in which he recommends the restoration at once of the tramway in the factory, I am to say that, in view to the uncertainty as to when the factory will be brought into use again, the Government of India are of opinion that it would not be advisable to restore the tramway now, as it would again become unserviceable if the factory is not reopened for work for some years; they think therefore that it would be better to take up and store the serviceable rails and sleepers under cover till required.

6. The roads should be kept in order, as also the track of the tramway which should be maintained in a state to receive the line at once when required, culverts, &c., being looked to from time to time. If these precautions are taken, the whole tramway could be laid down in a very short time when wanted.

---

* In original, to be returned.

Enclosure.

From Colonel R. F. LOWIS, Director-General of Ordnance in India, to the Secretary to the Government of India, Military Department, Calcutta, dated Madras, 21st December 1887, No. 74 E. (Tour).

Having made a personal inspection of the building of the Gun Powder Factory at Madras on the 16th December 1887, I have now the honor to submit, in reply to Military Department No. 1866 M.W. "Ordnance Works," dated the 5th September 1887, a revised statement showing what buildings are really essential and should be put in a proper state of repair and maintained to admit of the manufacture of gunpowder being recommenced without delay in case of emergency and what are considered superfluous and should be demolished and removed.

2. The buildings in question have been numbered in the accompanying statement both according to the numbers in the Public Works Department list and the numbers marked on the buildings themselves.

3. The estimated cost shown opposite each has been very roughly calculated and is approximate only. I am also unable to assert whether the buildings recommended to be retained admit of being repaired or whether their condition is such as to necessitate their being pulled down and replaced by new ones. I therefore suggest that the Public Works Department may be asked to make a minute examination of their condition and then submit estimates for repairs or for the construction of new buildings in their stead as the case may be.

4. I strongly recommend that the tramways should not be taken up, as in the event of work being again undertaken at any time the tramways would be needed for immediate use. If taken up now, considerable time would elapse before the sleepers and rails could be relaid. I am therefore of opinion that the roads which are in a bad condition, and the tramway which stands in need of new sleepers and ballasting in places, should be placed in serviceable condition at a cost of about Rs. 6,000, and I recommend for the favorable consideration of the Government of India that this work should be first undertaken.

5. The old compound wall should be repaired. If this old wall be thoroughly repaired, the new one, estimated to cost about Rs. 20,000, and the construction of which has already been approved by Government, may be held in abeyance.

6. Some of the buildings are in a most dilapidated condition with roofs falling in, and appear as if but little had been expended on them in the way of repair.

Revised statement of buildings of the Gun Powder Factory, Madras, showing what are really essential and should be maintained, and what are superfluous and should be removed.

Numbers		Description.	Cost roughly calculated.	Remarks.
According to Public Works Department list.	Marked on the buildings.			
			RS.	
1	1	Magazine with compound and earthen mounds.	Not known.	Should be retained. Requires plastering only.
2	2	Boiler house and store drying house and chimney.	..	These are necessary buildings. Nothing required.
3	3	Store drying house	..	
4	4	Cooperage	1,020	A necessary building, should be retained. Requires tiles to be reshifted and plastering with cement.
5	5	Dried powder deposit magazines.	4,300	Both are necessary and should be retained. No. 70 requires new floor and a verandah in front of door, besides general repairs. No. 5 requires tiles shifted and plastering with cement.
70	56 A			
6	6	Final blending house	8,035	Is necessary. Requires extensive repairs and alterations.
7	7	Barrel store	800	Necessary. Requires replastering and roof to be repaired.
8	9	Dust deposit magazine ..	Not known.	Necessary. In good order. Surrounding wall requires slight repairs.
9	18	Press cake deposit magazine ..	..	Necessary. Nothing required.
10	20	Machinery store-room ..	..	Do. Is in good order.
11	12	Barrelling room and masonry traverse.	..	Do. Do.
12	14	North group of incorporating mills.	..	Do. Do.
13	14 B and 14 C.	Boiler and engines houses to do.	..	Do. Do.
14	14 D	Watch house	..	Do. Do.

434/2

Revised statement of buildings of the Gun Powder Factory, Madras, &c.—*cont.*

Numbers		Description.	Cost roughly calculated.	Remarks.
According to Public Works Department list.	Marked on the buildings.			
			RS.	
15	16	Press house No. 1	..	Necessar Nothing required.
16	17	Meal deposit magazine ..	..	Do. Is in good order.
17	18	Pebble cutting house	..	Do. No repairs required.
18	..	Traverse to do.	..	Do. Do.
19	19	Machinery store	1,250	Necessary; but is a ruin. Requires a new roof; wings to be removed and arches supported. The cost of repairs is under-estimated and it is doubtful if the building is worth repair.
20	47, 47 A, 47 B.	Sulphur group	..	Necessary. Requires nothing.
21	21	Press pump house	..	Do. Do.
22	22	Green charge deposit magazine ..	..	Do. Is in good order.
23	23	Breaking down house	..	Do. Do.
24	27	Machinery store	Not known.	Necessary. Requires repairs. Is full of machinery.
25	11	Do.	..	May be removed. Not considered worth repairing.
26	24, 24 A, 24 B.	14 H.P. engine and mis. office, &c.	1,260	Necessary. Require plastering.
27	25	14 H.P. boiler house and chimney.		
28	26	Glazing house	..	Do. Nothing required.
29	..	Covered way for shaft bed ..	..	
30	30	Master Worker's office ..	..	
31	56 B.	Green powder deposit magazine.	300	Necessary. Requires tiles shifting and plastering.
32	8	Store-room near drying house ..	..	Necessary. Nothing required.
33	40 A.	Latrine for men	..	Do. In good order.
38	40 D.	Do. for Europeans ..		
39	40 C.	Do. for clerks		
40	40 B.	Do. for women		
34	29, 29 A.	South group of mills	..	Do. Do.
35	29 B, 29 C.	Engine and boiler houses to do.	..	Do. Do.
36	29 D.	Watch house to do.	..	Do. Do.
37	38, 38 A, 38 B.	Coal-shed No. 1, large ..	2,400	Both 38 A and 38 B have machinery stored in them. It is proposed that 38 B may be removed. 38 A requires roofing and general repairs. 38 consists of two buildings. It should be converted into a coal yard by rebuilding back walls and removing partitions; at present it is a ruin.
41	53	Proof butt	..	No repairs required. It can be put in proper order when required for use by the establishment.
42	52	Proof gun shed	..	Necessary. Nothing required.
43	46	Superintendent's office, upper and lower stories.	1,300	Do. General repairs required.
44	37 A, 37 B.	Machinery store, library and reading room.	790	Necessary. Slight plastering and repairs to roof required.
45	36 A, 36 B.	Proof instrument and proof battery.	Not known.	Necessary. Slight plastering required.
46	42 S.	Charcoal pulverizing room ..	..	Necessary. Nothing required.
47	45	Guard-room	..	
48	42 lettered to P.	Saltpetre refinery and 10 other buildings in one block (viz., charcoal houses.)	2,070	All necessary. Require sundry repairs, new roofs, &c.
49	50	Peons' godown and clerks' dining room.	300	Not absolutely necessary, but it would be a pity to let it go to ruin for want of slight repairs.
50	..	Store-room for Public Works Department.	..	Not required by the Ordnance Department. Belongs to Public Works Department.
51	44	Head Overseer's quarters ..	..	Necessary. Nothing required.
52	..	Out-houses to do ..	..	
53	43 A.	Sub-Overseer's quarters ..	..	
54	..	Out-houses to do. ..	..	
55	48	Coal-shed No. 2	..	This is a ruin without any roof and may be removed.
56	47 A, 47 B.	Foundry and sulphur refinery ..	1,500	Necessary. Requires repair to roof and walls.
57	41	Blacksmith's shop and Chucklers' room.	500	Necessary. Repairs required to roof.
58	43 B.	Supervisor's and millmen's quarters.	..	Do. Nothing required.
59	..	Out-houses to do. ..	..	

Revised statement of buildings of the Gun Powder Factory, Madras, &c.—*cont.*

NUMBERS		Description.	Cost roughly calculated.	Remarks.
According to Public Works Department list.	Marked on the buildings.		Rs.	
60	34	General workshop	2,000	Necessary. Roof wants raising, doorway enlarging and general repairs.
61	31	Engineer's store	..	Necessary. Nothing required.
62	35	Belfry	..	Do. Do.
63	33	Stables and coach-houses for officers.	390	Do. Slight repairs required.
64, 65, 66, 67	57 A, B, C, D.	Fire engine sheds Nos. 1, 2, 3 and 4.	..	Do. Nothing required.
68	63	Composition mill, engine and boiler and mixing-room.	..	Do. In good order.
69	..	Chimney to do.	..	
71	..	School-room	..	This is said to be a private building. Requires no repairs.
72 73	57	Magazine and verandah to it ..	1,100	Necessary. Requires new teak floor instead of brick verandah floor to be raised 6" above high flood level. General repairs.
74	58	Press house	..	All necessary. Nothing required.
75	59	Pump house	..	
76	60	Watch house	..	
77	61	Engine and boiler house and chimney.	..	
78	62	Granulating house	..	
79	..	Covered shaft bed	..	
80	..	Traverse walls to press and granulating houses.	..	

MADRAS,
21st December 1887.

(Signed) R. F. LOWIS, Colonel,
Director-General of Ordnance in India.

ORDER—dated 7th February 1888, No. 434 W., Public Works.

Communicated to the Superintending Engineer, V Circle, in view to the removal of the buildings mentioned in paragraph 2.

2. The report called for in paragraph 3 should be submitted, and the instructions in paragraphs 4 to 6 should be duly attended to.

(True Extract.)

Captain, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
,, Examiner, Public Works Accounts.
,, Military Department.

Exd. J. Moses.
Spare Copies

434/3

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated February, 7th.

Recd. *Encl.*

G.O., 7th Feb. 1888, No. 434 W.

FEBRUARY.

Gun Powder Factory at Madras

Orders on letter from the Government of India sanctioning the removal of certain buildings, and issuing instructions with regard to certain works in connection with the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers:—

From Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 21st September 1887, No. 3404-A:—

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below mentioned, which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned:—

Estimate, amounting to Rs. 2,460, for reconstructing the police guard-room at the Gun Carriage Factory, Madras, with report and plan.

No. 5828, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

Ootacamund,
22nd September 1887.

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

Order—dated 13th October 1887, No. 2705 W., Public Works.

The estimate, amounting to Rs. 2,460, for reconstructing the police guard-room at the Gun Carriage Factory, Madras, is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial, Ordinary, No. 40 W. of 1887-88, and classified as Military Original Works.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle, with three enclosures.
„ Examiner, Public Works Accounts, with the estimate for note and return to Superintending Engineer, V Circle.
„ Military Department.

Exd. J. Moses.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated October, 13th.

Recd. Encl.

G.O., 13th Oct. 1887, No. 2705 W.

OCTOBER.

Gun Carriage Factory, Madras

Estimate for reconstructing the police guard-room at the —, sanctioned.

M. D. 13. A.

434
G.

Heading. Ordnance Works. No. 174 M. W.

7 Feby/88 No 434 W. [illegible]

It is requested that the above heading, with number and date of this communication, may be quoted in any subsequent correspondence on the subject.

GOVERNMENT OF INDIA,
MILITARY DEPARTMENT.

..88
M. DEPARTM.

Fort William ~~Simla~~, the 28th January 1888.

To
THE SECRETARY TO THE GOVERNMENT OF MADRAS,
PUBLIC WORKS DEPARTMENT.

Sir,

I am directed to forward a copy of the letter* marginally noted from the Director General of Ordnance in India submitting a revised statement of buildings of the Gun Powder Factory at Madras, shewing what are really essential and should be maintained, and what are superfluous and should be removed.

* No. 74/Tour E dated 21st December 1887.

In original. To be returned

Returned with refce. to G.O. No. 8708 of 88.

2. With reference thereto, I am to say that the Government of India sanction, as recommended by the Director General of Ordnance the removal of the following buildings:—

No. 25 Machinery Store

No. 37 one of this group numbered in the Factory List as 38 B.

No.

No. 55 Coal shed No. 2.

It is also said that No. 50 'Store room for Public Works Department' is not required by the Ordnance Department. If not necessary for the Public Works Department it also should be removed.

3. As regards the remaining buildings which appear to require special repairs, I am to ask that, under the orders of the Governor in Council instructions may be issued to have them all examined, and that a report may be furnished to the Government of India shewing what is necessary to restore them to good condition, and what buildings it would be advisable to rebuild, and the probable cost.

4. I am also to ask that early steps may be taken to have the numbers on the buildings in question made to correspond with the numbers the buildings bear in the Public Works Department List.

5. With reference to paragraph 4 of the Director General of Ordnance's letter in which he recommends the restoration at once of the tramway in the Factory, I am to say that, in view to the uncertainty as to when the Factory will be brought into use again, the Government of India are of opinion that it would not be advisable to restore the tramway now, as it would again become unserviceable if the Factory is not reopened for work for some years; they think therefore that it would be better to take up and store the serviceable rails and sleepers under cover till required.-

6. The roads should be kept in order, as also the track of the tramway which should be maintained in a state to receive the line at once when required, culverts &ca being looked to from time to time. If these precautions are taken, the whole tramway could be laid down in a very short time

when

E.W.C.N. 1081

when wanted.

I am,
Sir,
Your most obedient servant,
A C Tober
Deputy Secretary to the Govt. of India.

R/4.2.88

E2

Copy to:-
The Director General of Ordnance in India.

No. 2705 d/13.10.87
- 190 d/17/1/88

No. 74 E
Tour

434/18

From
The Director General of Ordnance in India
To,
The Secretary to the Government of India
Military Department
Calcutta

Dated Madras 21st Decr. '87.

Sir,

Having made a personal inspection of the building of the Gun Powder Factory at Madras on the 16th December 1887, I have now the honor to submit, in reply to Military Department No. 1866 M. W. "Ordnance works" dated the 5th September 1887, a revised statement showing what buildings are really essential and should be put in a proper state of repair and maintained, to admit of the manufacture of gunpowder being recommenced without delay in case of emergency; and what are considered superfluous

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5 The old compound wall should be repaired. If this old wall be thoroughly repaired, the new one estimated to cost about Rupees 20,000/ and the construction of which has already been approved by Government, may be held in abeyance.

6 Some of the buildings are in a most dilapidated condition with roofs falling in, and appear as if

but

but little had been expended on them
in the way of repair.

I have, &ca,

(Sd) R. T. Lewis Coll

Director Genl of Ordce
in India

(True Copy)

E. Hoernink

Superintendent, Mily. Dept.

B & K
Mily Works

PUBLIC WORKS DEPARTMENT.

No. 434 W. 639

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 7th Feby/88

READ the following

From the Govt of India Mily Dept No 174 M. W. d 28th July 88

11

Communicated to the Supdg Engr V Circle in view to the removal of the buildings mentioned in para 2.

2. The report called for in para 3 should be submitted, and the instructions in paras 4 to 6 should be duly attended to.

WCN
6.2.88

6/2/88

PWH
7 Feb

Dated 7/2

S. S. V Circle
Exr PWa
Mily Dept.

1081

Govt. of 1888 Madras.

PUBLIC WORKS.

Dated 7/2/88

Recd. [illegible]

Encl.

G.O., 7th Feby 1888 No. 434 W.

Gun Powder Factory at Madras

Orders on letter from the Govt of India sanctioning the removal of certain buildings, & issuing instructions with regard to certain works in connection with the ——.

80/4

5/1