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MADRAS RECORD OFFICE.

Government of Madras.

Police DEPARTMENT.

G.O. No.	1401	Press
		Mis.
Dated	31-10-1870	19

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Department,
31st October 1870.

Read the following papers:—

No. 223. From E. B. POWELL, Esq., M.A., C.S.I., Director of Public Instruction, to the Chief Secretary to Government, Fort Saint George, dated Madras, 13th April 1870, No. 679.

I have the honour to submit the accompanying letter, No. 328, from the Superintendent of the School of Arts, in which Dr. Hunter makes the report called for in paragraph 1 of G. O., No. 377, of the 2nd instant.

2. Dr. Hunter appends to his letter a stamped and receipted bill for Rupees 8,434-13-0, which he imagines can be paid from a sum of Rupees 13,000 believed to be set apart for the purpose.

3. I am not able to say whether an expenditure of Rupees 13,000 has been sanctioned by the Government of India; but I have to remark that no provision for the sum has been made in the Educational Budget, and I must add that neither that sum, nor the smaller one for which a bill is now sent in, can be taken from the provision for education.

From A. HUNTER, Esq., M.D., Superintendent of the School of Industrial Arts, to the Director of Public Instruction, dated Madras, — April 1870, No. 328.

With reference to the Proceedings of the Madras Government, Public Department, dated 2nd April 1870, No. 377, I have the honour to submit, for the information of His Excellency the Governor in Council, a report showing the total number of the photographs and casts taken by the young men in the School of Arts, with a short description of the relative ages of the pagodas and of the accompanying mundapums or choultries from which photographs or casts have been taken.

2. On the 22nd April 1868, I received instructions from the Madras Government to carry out the orders of the Supreme Government, communicated in the Despatch, dated 9th December 1867, relative to the organizing of a department of modellers and photographers to be trained for taking copies of the best Indian sculptures and ornaments, for the use of the Department of Science and Art in London, and the various Schools of Art in Great Britain, Europe, and India.

3. When I commenced this work, I had no idea that such a rich field of ornamental art was to be found in the sculpture antiquities of this Presidency. I have visited a great number of the old pagodas in company with several young men from the School of Arts who have assisted me in taking photographs and casts, by three different processes, viz., impressions in finely washed kaolin, casts in plaster-of-Paris, and reproductions in a mixture of melted wax and dammer or hard country resin; from the two last, *fac-similies* of the ornaments are made in terra-cotta.

4. Upwards of 202 casts of Hindoo ornaments and 172 large photographs have been taken from antiquities at the following localities:—

Names of Places.	Districts.	Number of photos.	Number of casts.	By whom built.	Age of pagoda.
Conjeveram.....	Madras.....	20	36	.....	150
Vellore.....	North Arcot.....	16	50	Booma Reddy.....	600
Veerinjepooram.....	Do.	6	30	.....	100
Tarramungalum.....	Salem.....	12	...	.....	400
Trichengode.....	Do.	6	...	.....	400
Peroor.....	Coimbatore.....	17	36	.....	800
				Mundapum built by Alagathree Naick.....	230
Howhobullum.....	Cuddapah.....	18	...	.....	700
Eadpatri.....	Ceded District.....	30	50	Booma Reddy.....	630
Perikikoondrum.....	Chingleput.....	6	...	.....	100
Maha-balipuram.....	Do.	16	...	.....	500
Bangalore.....	Mysore.....	6	...	.....	100
Humpty.....	Ceded District.....	20	...	.....	500

5. Copies of these casts and photographs are now being reproduced, and I have heard from James Fergusson, Esq., Architect, Department of Science and Art, Kensington, that they are approved of as studies for Schools of Art, and I have been requested to go on with the work as rapidly as possible. I thought it of consequence to work as much as possible with the gypsum, clays, felspar, and raw materials of this Presidency, so as to save the expense of importing them from Europe, and we have now laid in a large supply of materials for making these casts and copies of them, and I have also procured a good supply of photographic paper, mounting-boards, and a few of the chemicals and apparatus for photography. The expensive chemicals, as chloride of gold and nitrate of silver, we prepare for ourselves. We are now in a condition to carry on our work satisfactorily, and I have sent two young men, acquainted with our processes, to assist Captain H. Cole, R.E., in completing casts of the ornamental gates at Sanchi. These young men have given satisfaction, and are considered by Captain Cole to be able and efficient workmen. They have been taught to take casts of ornament by the gelatine process, and, on their return to Madras, they will be employed in teaching others.

6. Upwards of 300 photographs have been taken at the different pagodas above specified; but, as there are a good many repetitions amongst them, and several of them were indifferent, it is not thought desirable to print the whole series. A complete set of these photographs, with the exception of the twenty lately taken at Humpy, has been forwarded to James Fergusson, Esq., Architect, London, in return for a copy of the "Tree and Serpent Worship in India" presented to the School of Arts. Mr. Fergusson is much pleased with these photographs, and requests that the work may be continued particularly amongst the old Jain pagodas in the Nundial and Kistnah territories, regarding which there is as yet but little information.

7. I propose visiting Hullabede, in Mysore, with our modellers and photographers, during the holidays in July, to collect a good series of casts and photographs of some of the oldest and richest pieces of Jain sculpture in India, after which I propose visiting Shreeshallam, an old Jain temple about thirty miles N. E. of Nundial; but it will be necessary to make arrangements with the Collector of Cuddapah for procuring carts and coolies to visit the latter locality, at a seasonable time of year, as it is a jungly and wild unfrequented part of the country.

8. With reference to the casts of ornament already taken in the School of Arts, I have the honour to bring to the notice of Government that this Presidency is probably richer in fine stone carvings than any part of India, and, as many of the scroll patterns are in good preservation, it would be well to continue taking them. Those now in the school have already attracted the attention of their Highnesses the Rajahs of Travancore, Vizianagram, and Cochin, and G. L. Narasinga Row, of Vizagapatam, all of whom are desirous of seeing them applied to ornamental buildings to be erected in their own territories.

9. I append a bill of expenses already incurred for photographic apparatus, albuminised-paper, mounting-boards, clay, raw materials, &c., for some of which money has already been expended, and a good deal is still due for articles just received from different Collectorates and from Europe. I append also a bill of travelling expenses incurred by myself and my assistants in doing this work, and would respectfully request that the sum of Rupees 13,000, which was set aside for this purpose, may be passed to the credit of the Madras School of Arts, as I understand that a similar sum has been sanctioned by order of the Right Honourable the Secretary of State for India for the Schools of Arts in Calcutta, Bombay, and the N. W. Provinces; steps will now be taken to furnish copies of the above casts and photographs, with as little delay as possible, for transmission to Calcutta, Bombay, and the Departments of Science and Art in London and Edinburgh.

10. If it is the wish of Government that this work should be carried on regularly, it will be necessary to provide a sum of about Rupees 8,000 for the expenses to be incurred in the ensuing year in taking casts and photographs. A considerable portion of this expense will be defrayed, however, by the Department of Science and Art.

No. 224. From E. B. POWELL, Esq., M.A., C.S.I., Director of Public Instruction, to the Chief Secretary to Government, Fort Saint George, dated Madras, 24th May 1870, No. 948.

I have the honour to forward, for the consideration of His Excellency the Governor in Council, the accompanying letter, No. 453, of the 18th instant, from

the Superintendent of the School of Arts. The communication, to which is attached copy of certain correspondence, has reference to Dr. Hunter's report submitted with my letter, No. 679, of the 13th ultimo.

2. Dr. Hunter proposes to meet the expenses already incurred by him by selling casts of Indian ornaments to various native princes and gentlemen.

3. The Superintendent also suggests that a complete set of casts and photographs should be prepared for despatch to the Lords of the Committee of Council of Education, through the Secretary of State for India, and that the sum of Rupees 13,000 should be asked for in payment.

From A. HUNTER, Esq., M.D., Superintendent of the School of Industrial Arts, to the Director of Public Instruction, dated Madras, 18th May 1870, No. 453.

I have the honour to enclose copy of a letter, No. 2099, dated Simla, 30th April 1870, from E. C. Bayley, Esq., Secretary to the Government of India, with copies of letters, No. 181, from myself, dated 8th March 1870, to the Private Secretary to His Excellency the Viceroy, and letter, No. 157, dated Madras, 1st March 1870, also to the Secretary to His Excellency the Viceroy, on the subject of a series of photographs and casts of antiquities forwarded by me to the Private Secretary to His Excellency.

2. I regret exceedingly that I misunderstood the orders of the Supreme Government, dated 9th December 1867, communicated to me by the Madras Government on the 10th March 1868, regarding the organizing of a department of modellers and photographers to be trained for taking copies of the best Indian sculptures and ornaments. About the same time, I received private information from Dr. J. Forbes Watson, Secretary, India House Museum, and James Fergusson, Esq., Architect, India House Museum, pointing out the class of ornaments of which casts or terra-cotta copies would be acceptable, and the pagodas of which it would be desirable to take photographs. I also heard from J. Hover Locke, Esq., Principal of the School of Arts in Calcutta, that a special sum of Rupees 13,000 had been set aside by the Department of Science and Art, London, for the Madras School of Arts, out of the original sum sanctioned for this experiment, and I was twice told by this gentleman that if I applied directly to the Supreme Government for the money, and sent some specimens of our casts and photographs, that the sum sanctioned would be paid.

3. It was on the strength of the above order of the Supreme Government, and the subsequent private correspondence, that I set to work with energy to take the casts and photographs, and to train the young men specially for the work; and, as no direct order came to the Madras Government to draw the money, I supposed that the expenses would only be paid by an application from myself to the Supreme Government. I have since ascertained from the Hon. R. S. Ellis, Chief Secretary, that the course I pursued was wrong, and I am sorry for having placed myself and the Madras Government in a false position.

4. The following are the expenses which have been incurred in this work :—

	RS.	A.	P.
Cost of gypsum	582	1	0
„ of clays and minerals for terra-cottas	486	1	3
„ of bees' wax and dammer	369	9	6
„ of carriage of clays, gypsum, &c.	719	0	10
„ of „ of raw materials	207	4	0
„ of „ of wood and stone carvings	528	7	6
„ of „ of firewood	1,154	8	6
Photographic apparatus, albuminised-paper, and mounting-boards ...	1,766	6	2
Do. chemicals	1,014	4	3
Travelling expenses and batta for Messrs. Bowling and Dowley ...	1,154	5	0
Total...	7,982	0	0

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Travelling expenses for myself	292	13	0
Batta for thirty-two days, at Rupees 5 per day	160	0	0
Mounting-boards	155	10	9
From Messrs. Rouch, not paid for, albuminised-paper	105	7	11
Duty, freight, and landing charges on do.	83	7	4
Freight on casts and photographs sent to Calcutta	44	13	0
Total	8,824	4	0

This is the sum which would be necessary to cover expenses already incurred.

5. The operations of the School of Arts having been directed specially to this work for upwards of two years, other work, which would have proved remunerative to the school, has been set aside.

6. To meet the expenses already incurred, I have to suggest that the casts of Indian ornaments, which have been taken, be copied in terra-cotta and supplied to different applicants: thirty working moulds are already finished, and a few more are in progress. Their Highnesses the Rajahs of Travancore and Vizianagram have applied for copies of them, and for assistance in applying the ornaments to the decoration of public buildings in their own territories.

The Rajah of Cochin is also anxious to see work of this kind introduced, and two teachers have already been sent to assist in making terra-cotta ornaments for a public building at Trichoor.

Narasinga Row has also applied for assistance in building a school and workshop at Vizagapatam in the Rajpoot style of architecture with Indian ornaments.

The Mysore Government have applied for assistance in introducing terra-cotta ornamentation, drawing, engraving, modelling, carpentry, and carving.

His Highness Sir Salar Jung is anxious to improve drawing, engraving, chasing in metals, jewelry, and working in ivory, and will probably assist the School of Arts by ordering tools, patterns, and engraved lessons.

7. The sums which may be realized by supplying the casts already completed will probably amount to Rupees 816 for six sets of thirty each. To complete the moulds for the whole series of 130 ornaments will take four months. When these are completed, the value of the six sets would be Rupees 4,080; but to meet this, a sum of Rupees 860 would be required to cover expenses of extra clay, quartz, and fuel. This would leave a balance of Rupees 3,220, which might be earned in six months.

8. I would respectfully suggest that a complete set of the casts in terra-cotta be carefully prepared for transmission, along with a good set of the photographs of antiquities, to the Lords of the Committee of the Council of Education, through the Right Honourable the Secretary of State for India, and that the sum of Rupees 13,000 be asked for to cover the expenses.

No. 225. From E. B. POWELL, Esq., M.A., C.S.I., Director of Public Instruction, to the Chief Secretary to Government, Fort Saint George, dated Madras, 22nd August 1870, No. 1474.

I have the honour to submit a letter, dated the 18th instant, from the Superintendent of the School of Arts, together with enclosures referred to therein; and I request that Government will be pleased to issue orders upon the points noticed by Dr. Hunter.

2. In regard to Mr. Fergusson's letter of the 8th ultimo, which appears to me a private communication not intended to be placed before Government, I observe that this gentleman is prepared to pay a moderate sum for the photographs he wishes to have taken at Maha-balipuram. Dr. Hunter, as I understand him, desires the cost to be defrayed by Government.

3. The Superintendent also suggests that the original negatives of some 170 photographs taken at the School of Arts should be forwarded to Mr. Fergusson, as

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he believes that they will be required by the Department of Science and Art. The photographs belong, I presume, to the School of Arts, and Dr. Hunter is under the impression that the Department of Science and Art would gladly purchase them, paying Rupees 18 for each. I imagine, it would not be safe to assume that the photographs are required, and that the Department of Science and Art would be prepared to expend so large a sum as Rupees 3,060 in the purchase of them. It would be advisable, I think, to have a previous inquiry made upon the subject.

4. Dr. Hunter reports that copies of sixty casts of architectural ornaments of certain pagodas have been made in terra-cotta, and he proposes that one complete set should be sent by Government to the Department of Science and Art in London, and that inquiries should be made if other copies are required by Schools of Design at Home, and by the Directors of the Crystal Palace.

5. A bill for Rupees 375-13-0 is submitted for certain articles purchased by His Excellency the Viceroy. I presume that Dr. Hunter should be instructed to apply to the Viceroy's Private Secretary for payment, as the transaction seems to have been a private one.

6. In connexion with the last paragraph of Dr. Hunter's letter, I have the honour to request attention to my letter, No. 679, of the 13th April last. It appears that the Superintendent has borrowed money on interest from Messrs. Binny and Co. to meet the expenses incurred by him, believing that there was a sum of Rupees 13,000 set aside by the Supreme Government upon which he could draw. I may mention that, in 1869-70, the sum realized by Dr. Hunter for work executed is returned by him at Rupees 4,619-3-2, while the collections made under this head in 1868-69 amounted to Rupees 10,506-6-6.

From A. HUNTER, Esq., M.D., Superintendent of the School of Industrial Arts, to the Director of Public Instruction, dated Madras, 18th August 1870.

I have the honour to forward the copy of a letter from James Fergusson, Esq., Architect, Department of Science and Art, Kensington, London, on the subject of the inscriptions and photographs which he wishes us to take at Maha-balipuram, with the view of determining, from the characters of the inscriptions and the forms of one of the pagodas, the exact date of these antiquities. You will see from Mr. Fergusson's letter, that he proposes to pay the expenses of taking these photographs; but I should like to inform Government that we have been asked to do this work, and to obtain their sanction for doing so. The cost will be about 73 to 80 Rupees.

2. I propose going with two photographers to Maha-balipuram, and taking Captain Carr's book, and an Assistant from the Artistic Department, to take rubbings of the inscriptions, photographs, with ground-plans and measurements of the buildings, from which Mr. Fergusson hopes to be able to determine with accuracy the date of these antiquities.

3. With reference to the photographs taken in the Madras School of Arts, and referred to in the first paragraph of Mr. Fergusson's letter, I would suggest that the original negatives of 170 of the best of these be forwarded to Mr. Fergusson, as I believe they will be required by the Department of Science and Art for printing purposes. Mr. Fergusson is under the impression that these have been paid for, and that they are the property of Government; but this is a mistake. I believe, however, that the Department of Science and Art would gladly pay for the originals at the rate of Rupees 18 for each.

4. Should Mr. Fergusson require further particulars regarding the photographs or ground-plans, measurements, and drawings of any of the pagodas, or other photographs, these could be taken.

5. As regards the casts of ornaments in the pagódas at Vellore, Conjeveram, Veerinjecpooram, Peroor, and Tadpatri, referred to in my letter of 12th April, I beg to inform you that copies of 60 out of 200 of these are already made in terra-cotta, and, as I see that particular attention is drawn to this subject by Mr. Fergusson and Dr. Forbes Watson in their letters in the Proceedings of the Madras Government, Public Department, dated 2nd April 1870, and in the Report on the Illustration of the Archaic Architecture of India, I would suggest that a set of 60, the first instalment, be sent by the Madras Government to the Department of Science and Art in London at whose suggestion the casts were made, and that steps be taken to ascertain whether copies of these would be required by the Schools of Design in Edinburgh, Dublin, and Glasgow, and by the Directors of the Crystal Palace.

This would assist to cover the expenses of taking the casts.

6. I beg to submit a bill of expenses incurred for taking the casts and photographs which were sent to the Private Secretary of His Excellency the Viceroy on the 8th March last, amounting to Rupees 375-13-0. I would beg respectfully to point out to Government that these casts and the photographs above referred to, were taken expressly for the Supreme Government, agreeably to the orders communicated to me by the Madras Government on the 10th March 1868, by which I understood that a certain sum of money, amounting to Rupees 13,000, would be set aside to cover the expenses, half of which would be defrayed by the Department of Science and Art, London. The establishment of the School of Arts was increased specially for this work, and, on the 18th May 1870, I submitted bills for Rupees 8,824-4-0 for expenses already incurred. May I request that some arrangements may be made for defraying these expenses, as I am held responsible for the money which has been advanced by Messrs. Binny and Co. at the usual rate of interest.

From J. FERGUSSON, Esq., to the Superintendent of the School of Industrial Arts, Madras, dated 20, Langham Place, 8th July 1870.

I have not written to you lately, having had nothing particular to say to you since I had occasion to thank you for the splendid present of photographs you sent me; but I am now going to trouble you again about a matter in which you may, or may not, be able to help me, but I feel sure, at all events, you will if you can. It is this. I have lately been reading Captain Carr's book about the Seven Pagodas, and it has recalled my attention to the subject, and, as the great bas-relief is certainly dedicated to my Naga friends, I would give a great deal to be able to fix the history and date of the monument with something like precision. There appear to me only two modes by which this can be effected, palæographically, by the form of the characters; and architecturally, by comparing the Temple Saluvan containing the inscription with the rock-cut examples. Sir Walter Elliot and Captain Carr both assume that the Babington's Alphabetical Plate XIII. is that of the Varahswami Rock, but it is not so. It is compiled from several ancient inscriptions p. 51, and this may, or may not, be amongst them.

2. Now, to enable any comparison to be made, what is wanted is—

1st.—A photograph of so much of the inscription on the rock at the Varahswami Pagoda as will enable its character to be clearly ascertained (p. 132).

2nd.—A similar photograph of inscription at Saluvan Kuppam p. 121.

3. A similar photo. of enough of the dated inscription at Pavarakkaran's Choultry p. 124, so that the character of the three may be compared with one another and with the other inscription.

4. A photograph or two of the exterior of the temple at Saluvan Kuppam, so as to explain exactly its external architecture.

5. The upper part of the snake god in the great bas-relief is said p. 88 to be lying in front of the rock. If he could be turned over and his portrait taken, it would add very much to my happiness. Now, the question is, is it possible to procure these six photographs? The place is so inaccessible from Madras by means of the canal that a man could almost go down one night and bring them back the next or the following one at all events. But, then, who is to pay for this? I am afraid your school funds must not be diverted to such purposes, and Government has probably no spare funds they could appropriate to such purposes, without the sanction of the Governor.

General in Council, or probably Her Majesty's Secretary of State in Council also, and, if this is so, I will willingly pay it myself if it does not come to anything much beyond what a similar expedition would cost in this country; and, on receiving the photos., I will pay the money to any one, or in any way you like.

6. I am writing to Lord Napier by this mail not about this, but I want him to send a photographer, if possible, next cold weather, to the country below the ghauts, between the Kistna and Godavery. It is utterly unknown, but seems full of interesting antiquities; and, as I am in great hopes that the Government of Bombay will send an expedition as far as Worangul, the two, if successfully carried out, would probably tell us more of the archæology of India, than we have learned from other sources for a long time.

7. If you can help in this, you will confer a great favour on me, and if you can procure me the six photos. enumerated above, you will earn the lasting gratitude of your's sincerely, &c.

The present of photographs alluded to was sent in return for a copy of Mr. Fergusson's beautiful book, the "Tree and Serpent Worship of India," presented to me for our School of Industrial Arts.

The photographs, I believe, have been highly approved of, and will be published by the Department of Science and Art. With the view of assisting in this work, I would respectfully suggest that the original negatives be sent home.

(Signed) A. HUNTER, M.D.,
Supt., School of Industrial Arts.

No. 226. From the Secretary to the Government of India, Home Department (Public), to the Chief Secretary to Government, Fort Saint George, dated Simla, 30th April 1870, No. 2099.

I am directed to forward, herewith, copies of two letters, as per margin, from the Superintendent of the School of Industrial Arts at Madras, to the address

No. 157, dated 1st March 1870, and enclosure.
" 181, " 8th idem.

of the Private Secretary to His Excellency the Governor-General, regarding the despatch of three boxes containing casts and photographs from some of the sculptured antiquities of the Madras Presidency.

2. The boxes have been despatched to the Indian Museum at Calcutta; but I am directed to point out, with reference to the communication from this Department, No. 14-930, dated the 24th of February 1868, that Dr. Hunter should not have adopted the course of writing otherwise than through the Madras Government, to which he is subordinate.

From A. HUNTER, Esq., M.D., Superintendent of the School of Industrial Arts, to the Private Secretary to His Excellency the Viceroy, dated Madras, 1st March 1870, No. 157.

I have the honour to request you will do me the favour to submit to His Excellency the Viceroy in Council, the accompanying three boxes containing the first consignment of casts and photographs from some of the sculptured antiquities of the Madras Presidency.

2. On the 22nd April 1868, I received instructions from the Madras Government to carry out the orders of the Supreme Government, communicated in their Despatch, dated 9th December 1867, relative to the organizing of a department of modellers and photographers, to be trained for taking copies of the best Indian sculptures and ornaments for the use of the Department of Science and Art in London, and the various Schools of Art in Great Britain, Europe, and India.

3. When I commenced this work, I had no idea that such a rich field of ornamental art was to be found in the sculptured antiquities of this Presidency. I have visited a great number of the

old pagodas in company with several young men from the School of Arts, who have assisted me in taking photographs and casts by three different processes, viz., impressions in clay, casts in plaster-of-Paris, and reproductions in a mixture of melted wax and dammer or hard country resin; from the two last, *fac-similies* of the ornaments are made in terra-cotta.

4. Upwards of 150 casts of Hindoo ornament, and nearly 300 large photographs, have been taken from antiquities at Conjeveram, Vellore, Veerinjeporam, Tarramungalum, Trichengode, Peroor, Howhobullum, Tadpatri, Terikikoondrum, Maha-balipuram, Bangalore, and Humpy.

5. Copies of these casts and photographs are now being reproduced; and I have heard from James Fergusson, Esq., Architect, Department of Science and Art, Kensington, that they are highly approved of as studies for Schools of Art, and I have been requested to go on with the work as rapidly as possible. I thought it of consequence to work as much as possible with the gypsum, clays, felspar, and raw materials of this Presidency, so as to save the expense of importing them from Europe, and we have now laid in a large supply of materials for making these casts and copies of them. I have also procured a good supply of photographic paper, mounting-boards, and a few of the chemicals and apparatus for photography. The expensive chemicals, as chloride of gold and nitrate of silver, we prepare for ourselves. We are now in a condition to carry on our work satisfactorily, and I have sent two young men, acquainted with our processes, to assist Captain H. Cole, R.E., in completing casts of the ornamental gates at Sanchi. These young men have given satisfaction, and are considered by Captain Cole to be able and efficient workmen.

6. I append a bill of expenses already incurred for photographic apparatus, albuminised-paper, mounting-boards, clays, raw materials, &c., for some of which money has already been expended, and a good deal is still due for articles just received from different Collectorates and from Europe. I append also a bill of travelling expenses incurred by myself and my assistants in doing this work, and would respectfully request that the sum of Rupees 13,000, which was set aside for this purpose, may be passed to the credit of the Madras School of Arts, as I understand that a similar sum has been sanctioned by order of the Right Honourable the Secretary of State for India, for the Schools of Art in Calcutta, Bombay, and the North-Western Provinces. Steps will now be taken to furnish copies of the above casts and photographs with as little delay as possible. The boxes above referred to, have been despatched by the Coasting Steamer *Arabia*, expected to sail to-morrow.

Memorandum of Expenses incurred in taking Casts and Photographs from Pagodas.

	RS.	A.	P.
Cost of gypsum	582	1	0
„ of clays and minerals for terra-cottas	486	1	3
„ of bees' wax and dammer	369	9	6
Carriage of clays, gypsum, &c.	719	0	10
„ of raw materials	207	4	0
„ of wood and stone carvings	528	7	6
„ of firewood	1,154	8	6
Photographic apparatus, albuminised-paper, and mounting-boards.	1,766	6	2
Do. chemicals	1,014	4	3
Travelling expenses and batta for Messrs. Bowling and Dowley ...	1,154	5	0
Total...	7,982	0	0
Travelling expenses for myself	292	13	0
Batta for 32 days, at Rupees 5 per day	160	0	0
Total...	8,434	13	0

(Signed) A. HUNTER, M.D.,
Supt., School of Industrial Arts.

From A. HUNTER, Esq., M.D., Superintendent of the School of Industrial Arts, to the Private Secretary to His Excellency the Viceroy, dated Madras, 8th March 1870, No. 181.

I have the honour to enclose herein the bill of lading for the two cases of terra-cotta casts from pagodas, and a case of photographs of antiquities, shipped to your address per Steamer *Arabia* on the 2nd instant. The freight and other charges, amounting to Rupees 44-13-0, has been paid by the School of Arts.

2. Another series of casts has been prepared, and the terra-cotta impressions from them will be fired in a few days. Some more photographs of antiquities have also been printed, and will be forwarded with the above shortly.

From Messrs. GRINDLAY AND Co., to the Private Secretary to His Excellency the Viceroy, dated Calcutta, 18th March 1870.

We beg to inform you that Messrs. Binny and Co., of Madras, have sent us bill of lading for the following packages, shipped for you per Steamer *Arabia* :—

Two cases of casts from ornaments in pagodas.
One case „ photographs.

Please let us know the value, to enable us to pass them through the Custom House.

No. 227. ORDER THEREON, 31st October 1870, No. 1400.

The correspondence above recorded refers to the unauthorized expenditure by Dr. Hunter, Superintendent of the School of Arts, of Rupees 8,824-4-0, in the purchase of materials and the preparation of casts and photographs of objects of archaeological interest.

2. In a Resolution, dated 24th February 1868, the Government of India proposed an experimental scheme for obtaining such casts and photographs, which involved the employment of four parties (one of which was for Madras) at an estimated annual cost of Rupees 13,000 each. It was suggested that the parties should be under the direction of the Superintendents of the Schools of Arts.

3. The Resolution having been referred to Dr. Hunter for remarks and suggestions, he replied in a letter, dated 13th March 1868, making certain suggestions, and stating that he was ready to carry out the proposals of the Government of India. No orders for the prosecution of the scheme were issued by the Government of Madras, and the matter was allowed to lie over, as considerable expenditure had already been incurred in the purchase of photographs of ancient temples from Captain Lyon.

4. Dr. Hunter, however, without waiting for orders, actively commenced the work, considering that the Resolution of the Government of India was sufficient authority for expenditure, and being fortified in his view by private letters from Mr. James Fergusson, Dr. Forbes, and Mr. Locke of the Calcutta School of Arts. He appears to have thought that the money had been provided by the Department of Science and Art in London. The result has been an expenditure of Rupees 8,824-4-0, of which more than Rupees 7,000 is for materials for casts and photographic apparatus, a large portion of which is still on hand, and Rupees 1,607-2-0 travelling expenses. Dr. Hunter has taken 202 casts of Hindoo ornaments, and 172 large photographs. A second bill is submitted for Rupees 375-13-0 on account of photographs and casts which he forwarded to the Viceroy, and which have been

transferred to the Calcutta Museum; but of this sum only Rupees 60-13-0, being packing charges and freight, represent actual expenditure in excess of the gross amount Rupees 8,824-4-0. It appears that Dr. Hunter obtained the money needed by him from Messrs. Binny and Co. at the usual rate of interest. The exact amount due to Messrs. Binny and Co. is not stated.

5. The Government recognise Dr. Hunter's good intentions and zeal for the progress of artistic knowledge, and trust that the results he has obtained may show that the outlay has not been wasted. The expenditure, however, was quite unauthorized, and the course which Dr. Hunter adopted, in borrowing the money required from a private Firm, was in the highest degree irregular. The Government request the Director of Public Instruction to convey to Dr. Hunter an expression of their censure, and to inform him that in future he will be held personally responsible for any outlay incurred without distinct sanction and budget provision.

6. On the present occasion, the Government resolve to apply to the Government of India for the appropriation of funds, to be debited to Science and Art, sufficient to meet the expenditure incurred by Dr. Hunter, and in anticipation of sanction, and to avoid the charge which is being made for interest by Messrs. Binny and Co., the Government direct the Accountant-General to pay the amount due to that Firm, which the Director of Public Instruction will at once ascertain. Mr. Powell will also call upon Dr. Hunter for a clear account of the money expended, with a statement of the stores still on hand; and for a descriptive list showing in detail the original photographs, mouldings, casts, &c., the number of copies on hand, and the time and cost requisite for the completion of the copies; but no further outlay must be incurred without express permission.

7. Dr. Hunter suggests certain ways of meeting the outlay incurred, viz., by sale of the photographs and casts to Native Princes, to the Lords of the Council of Education, and to Schools of Design in England. He believes that the Department of Science and Art will gladly pay Rupees 18 for each of the negatives of the photographs.

8. The Government do not desire that any attempt should be made to induce Native Princes to purchase Dr. Hunter's works; but, on receiving the detailed information above called for, they will address the Right Honourable the Secretary of State and the Government of India in order to ascertain how many copies are required in India and in England, and whether these should be sold or given away, and also how the negatives of the photographs are to be disposed of.

9. Mr. Powell should have obtained, before addressing Government, the further information now called for from Dr. Hunter, the necessity for which was obvious.

(Signed) R. S. ELLIS,
Chief Secretary.

No. 228. To the Secretary to the Government of India, Home Department, dated Fort Saint George, 31st October 1870, No. 1401.

I am directed to forward the accompanying Proceedings of Government of this date, No. 1400, relative to unauthorized expenditure, amounting to Rupees 8,824-4-0, incurred by Dr. Hunter, the Superintendent of the School of Arts, Madras, in obtaining casts and photographs of antique remains in this Presidency.

2. The circumstances under which Dr. Hunter conceived himself warranted in incurring this outlay are detailed in the Proceedings, and I am to request that His Excellency the Governor-General in Council may be pleased to sanction an appropriation of the amount requisite, under the head "Science and Art," in the current year. I am to state that this Government, in taking an indulgent view of the irregularity of which Dr. Hunter has been guilty, have been influenced by his undoubted good intentions, and by the services which he has rendered to the cause of Artistic Instruction and Archæology in India.

3. It will be seen from the Proceedings that, on the receipt of detailed information which has been called for, His Excellency the Governor in Council proposes again addressing the Government of India as to the best manner of disposing of these casts and photographs.

(Signed) R. S. ELLIS,
Chief Secretary.

Home 1870 Dept.

From Government of

Fort St. George.

Dated 31st Oct. 1870.

No.

Enclosures

Spare copies

B.

D. No.

Procs.

D.

No.

L. No. 1401.

OCTOBER.
Nos. 223-228.

Forwarding, with remarks, the Proceedings of Government on the subject of the unauthorized expenditure, amounting to Rupees 8,824-4-0, incurred by the Superintendent, School of Arts, in obtaining casts and photographs of antique remains in this Presidency.

Received by Mr. Powell May 18th 1871

My dear Ellen,

I return with thanks
the three letters you sent me
for information on Monday
and have sent copies of them
to Mr. Powell with some
suggestions for recovering the
No 3220 by supplying copies
of the text of the manuscript to
the printer who has applied
for the same. I can offer
no more than this. If we may
make a change to the three
you mention I believe that
three complete sets of the
manuscript of the book may be

Very sincerely

Photographs
of ornaments would
be taken by the Department
of Science & Art for the Schools
of Design in Kensington,
Edinburgh and Glasgow.
I know it is a subject in
which they are all interested,
and as the work was
for by the Lords of the Committee
of the Council of Education
through the Right Honble the
Secretary of State for India,
I suppose there would be no
harm in asking that the
expenses be
paid by the Dept.
of Science and Art for whose
benefit the work was undertaken.
If it would not look like

presumption on our part
I would respectfully point
out that if the sum of Rs 13,000
were to be sanctioned as
I was led to expect, a very
fine series of casts and
photographs of Indian
Ornaments could be produced
in about six months from
this date. I believe that
the sculptured Ornaments
of Southern India are the
finest & in the best state of
preservation of any. We have
made a good start in thinking
that we could give a great
deal more for the money than
they will get from Bengal,
Bombay, or the N.W. Provinces.
I hope there is no harm in asking.
Yours Sincerely
Alex Hunter

1870
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1870 Depart
 From 31 Oct 1870
 The Director of
 Public Instruction
 Dated 13 April 1870
 Of 14
 No 679
 Rec 1
 No 581
 Submitting
 remarks report
 Superintendent of the
 School of Arts on
 the total number of
 Photographs, Casts
 taken by the young
 men in the School
 of Arts.

222
 223

Memo for Orders.
on No 299

In the correspondence
which accompanies this Memo
Dr. Hunter of the School of
Arts explains how he has
spent without authority Ru-
pees 8,834. 4. - and again
Rupees 375. 13. - - Dr. Hunter
has borrowed this money
from Messrs. Baring & Co.,
and it is now necessary that
steps should be taken for
relieving him of this respon-
sibility.

This seems the total
amount required to
cover the total outlay.

Dr. Hunter has
acted bona fide
throughout his life. I
know it fully. I
have no doubt of the
sincerity of his intentions
and as far as a code
for him can be con-

I think Dr.
Hunter should be

7/10

The explanation offered by Dr. Hunter for spending this money is as follows:—

The Govt of India in a Resolution dated the 24th February 1868 proposed a scheme for obtaining casts and photographs of the most important works of ancient architecture in India. This scheme was to be experimental and among other portions of it, the cost of each party to be employed in photographing, taking casts &c. in Madras, Bombay, Lower Bengal and Behar, the North West and Central Provinces

tell me to write on the margin of letter which he submits to me. And also to ascertain how much money it would cost to add up to Dr. Hunter's letter. I am to him, yet he writes to me that he can do much. I have seen Dr. Hunter's letter to the Govt. and he could be sent out and I would like to see it.

I agree with Mr. Sim, we must thank Dr. Hunter for recognizing his good intentions and relieving him of some burden of this responsibility. I would deprecate the least attempt to displace of any article prepared by Dr. Hunter & return to him. For the present. When the matter is once set straight the School of Arts will be a liberty to displace of its works to return to the original persons - without recommendation or purchase of any sort. N. I would not recognize any good intentions

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Provinces was roughly estimated at about 13,000 Rupees = Total for four such parties 52,000 Rs. It was suggested that the Local Governments might allow the experiment to be carried on, at first under the charge of the Principals of the Schools of Art and design at the Presidencies.

This Resolution of the Govt of India was referred to Dr. Hunter for any suggestions he might have to offer. He replied in a letter dated 13th March 1868 in para 4 of which he

he describes himself as ready
to carry out the proposals
of the Resolution of the Govt
of India and makes certain
suggestions in respect of
materials &c available -

No orders were passed
by the Madras Govt for
carrying into effect the scheme
contained in the Resolution
of the Govt of India, and
the matter was allowed
to lie over. *

But Dr Hunter con-
sidered that the Resolution
of the Govt of India was
sufficient authority, for him
to set to work at once, and
he was further induced

but must consult
Dr Hunter very
carefully, and ask
the Govt of India
& Government the
permission.

A. A.

* he had been spending large
sums on Captain Dyer's photographic
operations.

23
to think he was right in
this view by private letters
he received from Dr. Forbes
Watson and Mr. James
Fergusson, and from Mr.
Haver Locke the Principal
of the School of Arts at
Calcutta who told him
that 13,000 Rs. had been
set aside by the Depart-
ment of Science and Art
at London for the Madras
School of Arts, and that
he had only to apply to
the Supreme Govt for the
money and send a few
specimens

specimens when it would
be paid.

With this jumble of the
intentions of the Govt of India
and his private correspondence,
D. Hunter felt sure of his
resources, namely 13,000 Rs,
and set vigorously to work
on his own scheme. It does
not seem to have occurred
to him to ask any question
of the Director of Public In-
struction, or of the Madras
Govt., and the result has
been an expenditure of
Rs. 8,824. 4. The greater
part of this sum, more
than

than 7,000 Rs, is for materials
for casts and photographic
apparatus. Rs 1606 is
charged for his own and
two assistants travelling
expenses.

In the letter to the D.
of Public Instruction dated
April 1870 D. Hunter
describes in detail what
he has done for this out-
lay. Roughly stated he
has taken 202 casts of
Hindoo ornaments and
172 large photographs -
and it appears from this
letter that he has a good
deal

deal of expensive materials
on hand which will come
into use in reproducing
the mouldings &c. - On the
1st March 1870, Dr Hunter
seems to have thought he
had better try what he
could do with the Govt
of India, for he sends to
the Viceroy through the
Private Secretary, a selection
of these Photographs and
Terracotta casts, incurring
an additional charge of
Rs. 375. 13 -

In the letter to the
Viceroy's Private Secretary
Dr Hunter describes his
operations, and sends a
Bill

* of 1st March / 7
No. 157.

bill for Rs. 8434. 13, and suggests
that the sum of 13,000 which
he continues to think had
been set aside for the purpose,
should be given over to
the Madras School of Arts.

Dr Hunter's offering to
the Viceroy was made over
to the India Museum at
Calcutta, and he was told
that he ought not to have
addressed the Govt of India
except through the Madras
Govt.

Dr Hunter has suggested
various ways of meeting the
expenses incurred such as
by sale of copies of the casts
taken, and he says that the
Maharajahs

Maharajah of Travancore,
and the Vizianagram Maha-
rajah have applied for copies,
but he does not give the
amount of their order -

It appears that six
complete sets could be got
ready in four months with
an extra expenditure of
nearly 1000 Rs, and that
when complete they would
be worth 4,080 Rs, if any
real purchasers could be
found.

Dr Hunter would also
send a complete set of
casts in terracotta, and
a good set of the photographs
of

of the antiquities to the
Lords of the Committee of
the Journal of Education,
and ask them for his
favorite sum of 13,000, which
he still imagines has been
provided if not in India,
somewhere in England.

In a recent letter to
the Dir. of Public Instruction
Dr Hunter proposes to
execute a Conv. at the
Seven Pagodas for Mr. Ser-
gusson, which that gen-
tlemen is willing, if
necessary, to pay for, and
he proposes to hand over
to Mr. Sergusson the
negatives

negatives of 1/10 of the best
photographs he has taken,
Dr. Hunter is under the
impression that these will
be required by the Depart-
ment of Science and Art
in England and that they
will gladly pay 18% for
each of these negatives - He
gives no reason for supposing
this. He now proposes
also that a set of 60 copies
in terracotta of the casts
of ornaments, which
are now ready should be
sent as a first instalment
to the Department of Science
and Art, and that steps

be

* The whole number of
originals to be sent

25
be taken to ascertain if
copies are required by the
School of Design in Edin-
burgh, Dublin and Glasgow,
and by the Directors of the
Crystal Palace. These are
apparently to be sold.

The Director of Public
Instruction asks for the
orders of Govt. on this last
letter from Dr. Hunter.

It is suggested that
as Dr. Hunter acted in
perfect good faith, though
very irregularly, in incurring
the expenditure noted
above, the Accountant
General be told, pending

a

Viceroy never asked for the
casts and photographs and
has transferred them to
the India Museum, Calcutta.
If Hunter should, it is
suggested, be told that
although the Govt. are
willing to take an in-
-dignant view in the
present case of the large
unauthorized expenditure
of money made by him
he will in future be held
responsible for any similar
irregularities.

C 89 A 139.

Public Department

MEETINGS of the MADRAS GOVERNMENT.

Read the following letter from
the Director of Public Instruction
dated 13th April, 24th May, and
22nd August 1870, Nos 679, 948
and 1474.

Read also letter from Secretary Govt.
of India Home Dept. 2/30 April 1870.
No 702.

Order thereon 31 Oct 70 No 1400.

The correspondence
above recorded refers to the
unauthorized expenditure
by D. Hunter, Superinten-
-dent of the School of Art
of Rs 8824-4-0, in the pur-
-chase of materials and the
preparation of casts and
photographs of objects in
~~the Presidency~~ of archa-
-logical interest.

2. In a resolution dated

24th February 1868, the
Govt of India sketched proposed
an experimental scheme
for obtaining such casts
and photographs, which
involved the employment
of four parties (one of
which was for Madras)
at an estimated annual
cost of Rs 13,000 each. It
was suggested that the
parties should be under the
direction of the Superin-
tendents of the Schools of
Arts

The resolution having
been referred to Dr Hunter
for remarks and suggestions,
he replied in a letter dated
5th March 1868, making cer-
tain suggestions and sta-
ting that he was ready to
carry

37
carry out the proposals
of the Govt of India. ~~No~~
orders for the prosecution
of the scheme were issued
by the Govt of Madras, and
the matter was allowed to
lie over, as considerable ex-
penditure had ^{already} been incur-
red in the purchase of
photographs of ^{ancient temples} ~~other kind~~
presented from Captain
Xyow.

H. Dr Hunter, however,
~~without making for orders actively~~
commenced the work ~~with~~
ardour, considering that
the resolution of the Govt
of India was sufficient
authority for expenditure,
and being fortified in his
view by private letters from
Mr James Fergusson, Dr
Fishes and Mr Locke of the
Calcutta.

Calcutta School of Arts.
He appears to have thought
that the money had been
provided by the Depart-
ment of Science and Art
in London. The result has
been an expenditure of
Rs 8824-4-0, of which more
than Rs 7000 is for mate-
rials for casts and photo-
graphic apparatus, a large
portion of which is still on
hand; and Rs 1607-2-0 of Hunter
travelling expenses. He has
taken 202 casts of Hindu
ornaments, and 172 large
photographs. A second
bill is submitted for Rs
375-13-0 on account of
photographs and casts
which he forwarded to the
Viceroy and which have
been

been transferred to the
Calcutta Museum; but
of this sum only Rupees
60-13-0, being packing
charges and freight, repre-
sent actual expenditure
in excess of the ^{gross} amount
Rs 8824-4-0. It appears
that Dr Hunter obtained
the money needed by him
from Messrs Baring and
Co. at the usual rate of
interest. The exact amount
due to Messrs Baring and
Co. is not stated.

5. The Govt. ~~fully~~ recog-
nize Dr Hunter's good
intentions and zeal for the
progress of artistic knowledge,
and trust that the results
he has obtained may show
that the outlay has not
been

been wasted. The expenditure however was quite unauthorized, and the course which Dr. Hunter adopted in borrowing the money required from a private firm, was in the highest degree irregular; ~~and~~ The Govt request the Director of Public Instruction to convey to Dr. Hunter an expression of their censure, and to inform him that in future he will be held personally responsible for any outlay incurred without distinct sanction and budget provision.

6. On the present occasion, the Govt resolve to apply to the Govt. of India for the appropriation of funds to be debited to

Science

Science and Art, sufficient to meet the expenditure incurred by Dr. Hunter, and in anticipation of sanction, and to avoid the charge which is being made for interest by Messrs. Baring & Co., the Govt direct the Accountant General to pay the amount due to ~~them~~ ^{that firm}, which the Director of Public Instruction will at once ascertain. Mr. Powell will also call upon Dr. Hunter for a clear account of the money expended, with a statement of the stores still on hand, and for a descriptive list showing in detail the original photographs mouldings, casts &c., the number of copies on hand, and the time and cost requisite for the

Public Department.

No. 1401

To

The Secretary to the Government
of India.

Home Department.

Sir,

I am directed to forward the accompanying Proceedings of Government of this date, No. 1400 relating to unauthorized expenditure amounting to ~~Rs 8824.48~~ Rs 8824.48 incurred by Mr Hunter, the Superintendent of School of Arts Madras, in obtaining casts and photographs of antique remains in this Presidency.

2. The circumstances under which Mr Hunter conceived himself warranted in incurring this outlay, are

Detailed

Govt. of 1870 } Madras.

To

Public

The Director of Public Instruction

2127

Dated Dec 31. }
Recd. 1870, No. 1400.

Nos. 223, 228

Following order on the subject of the unauthorised expenditure incurred by the Dept. of Public Instruction, in obtaining casts and photographs of antique remains in the Presidency.

24
Detailed in the Proceedings;
and I am to request that
His Excellency the Governor
General in Council may
be pleased to sanction an
appropriation of the amount
requisite, under the head
Science and Art, in the
current year. I am to state
that this Govt in taking
an indulgent view of the
irregularity of which Dr.
Hunter has been guilty,
have been influenced by
his undoubted good intentions
and by the services which
he has rendered to the cause
of artistic instruction and
archaeology in India.

3. It will be seen from
the Proceedings, that on
the

as to the best manner
of disposing of these
casts & photographs

MR

Fort St George
31st Dec 1870

the receipt of detailed
information which has
been called for, His Ex-
cellency the Governor in
Council proposes again ad-
- dressing the Govt of India
in view to the recovery of
a portion if not all of the
expenditure, by the sale
of the casts and photographs
obtained by Dr. Hunter.

H.E.S.

18 . Department,

Mr.

To
The Secretary to the
Government of
Department

Dated

187 .

187
11/11/187

Home 1870. Dept.

From Government of

Fort St. George.

Dated Oct 21.

1870

No.
Enclosures.
Spice copies.

R.

To Mr.

Progs

From Mr.

Oct 17/4

Nos. 223-248.

*with remarks to
forwarding Mr. of Fort
Addressing on the subject
of the unauthorised expendi-
ture amounting to Rs. 4000
incurred by the Dept. of
of Arts, in obtaining casts &
photographs of antiquary
remains in this building.*