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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.**Government of Madras.***Public Works* **DEPARTMENT.**

G.O. No. <u>210</u>	Press Mis.
<u>427-28</u>	
Dated <u>25-1-</u>	<u>1871.</u>

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
25th January 1871.*

No. 427. Read the following letter from the Executive Engineer on special duty, Madura District, to the Chief Engineer for Irrigation, dated Madura, 12th December 1870, No. 283 :—

I HAVE the honour to submit the subjoined report of the progress made, in November 1870, with the preparation of the scheme for the diversion of the Perryaur.

2. The sinking of trial pits at the different sites proposed for the head-works in the hills was commenced, and has been steadily proceeded with. Rock has been found in all the saddles at about 12 feet below the surface.

3. A path has been cleared along the road constructed last year to facilitate the transport of stores and supplies. Lieutenant Greer found this communication overgrown with jungle and almost impassable.

4. Judging from the results of this year's working up to date, the reduced rate (6 Annas per day) introduced towards the close of last season is ample remuneration for able-bodied men. The coolies tried to get the original rate of 8 Annas per diem, and gave some trouble at first, but Lieutenant Greer was firm and managed so well that, in a few days, he had more labourers than he could employ.

5. The designs for the works and the trial estimates for the main channel on the north of the Vigay are in active preparation.

6. Statements showing the rainfall at the Perryaur Camp and the discharge of the Perryaur from the 18th October to the 30th November 1870 inclusive are enclosed. The usual diagrams will be submitted at an early date.

7. Annexed is an abstract of the surveying and levelling done during the month under review :—

Branch channel set out in miles.	Lineal miles of country surveyed.	LEVELLING OPERATIONS.	Number of permanent bench-marks fixed.	Number of trial pits sunk to the full depth.
		Aggregate length of longitudinal and transverse sections in miles.		
.36½	81½	75½	8	84

PERRYAUR PROJECT.

Table of Rainfall and Discharge of Perryaur during the latter part of October 1870.

Dates.	Rainfall at Perryaur Camp.	Hours.	Water level in feet.	DISCHARGE.	
				Cubic feet per second.	1,000 Cubic yards per day.
	INCHES.				
18th ...	0.30	6 A. M.	2.90	1,682	5,328
		6 P. M.	2.84	1,618	
19th ...	0.23	6 A. M.	2.65	1,541	4,838
		6 P. M.	2.60	1,514	
20th ...	0.33	6 A. M.	2.75	1,602	4,933
		6 P. M.	2.54	1,481	

*Proceedings of the Madras Government, Public Works Department,
25th January 1871.*

Table of Rainfall and Discharge of Perryaur, etc.—(Concluded.)

Dates.	Rainfall at Perryaur Camp.	Hours.	Water level in feet.	DISCHARGE.	
				Cubic feet per second.	1,000 Cubic yards per day.
	INCHES.				
21st ...	0.35	6 A. M.	2.26	1,312	4,437
		6 P. M.	2.50	1,461	
22nd ...	0.50	6 A. M.	2.59	1,509	5,051
		6 P. M.	2.84	1,618	
23rd ...	0.30	6 A. M.	2.98	1,727	5,400
		6 P. M.	2.84	1,648	
24th ...	0.13	6 A. M.	2.50	1,461	4,517
		6 P. M.	2.34	1,362	
25th ...	0.05	6 A. M.	2.20	1,263	3,693
		6 P. M.	1.85	1,043	
26th ...	0.02	6 A. M.	1.50	845	2,704
		6 P. M.	1.50	845	
27th ...	0.02	6 A. M.	1.30	752	2,365
		6 P. M.	1.24	726	
28th ...	0.00	6 A. M.	0.95	609	1,909
		6 P. M.	0.83	584	
29th ...	0.00	6 A. M.	0.75	536	1,715
		6 P. M.	0.75	536	
30th ...	0.08	6 A. M.	0.69	514	1,630
		6 P. M.	0.65	500	
31st ...	0.30	6 P. M.	0.60	483	1,573
Total...	2.61				50,198

Depth run off from Catchment Basin of 250 square miles in 14 days = 2.33 inches.

Mean Discharge ... { 3,585,571 Cubic yards per day.
149,399 " " per hour.
1,120 Cubic feet per second.

MADURA,
12th December 1870.

(Signed) R. SMITH,
Executive Engineer on special duty.

PERRYAUR PROJECT.

Table of Rainfall and Discharge of Perryaur during November 1870.

Dates.	Rainfall at Perryaur Camp.	Hours.	Water level in feet.	DISCHARGE.	
				Cubic feet per second.	1,000 Cubic yards per day.
	INCHES.				
1st ...	0.25	6 A. M.	0.66	504	1,664
		6 P. M.	0.75	536	
2nd ...	0.18	6 A. M.	0.50	451	1,443
		6 P. M.	0.50	451	
3rd ...	0.05	6 A. M.	0.42	426	1,363
		6 P. M.	0.42	426	
4th ...	0.00	6 A. M.	0.35	408	1,306
		6 P. M.	0.35	408	
5th ...	0.65	6 A. M.	0.35	408	1,275
		6 P. M.	0.25	389	
6th ...	0.15	6 A. M.	0.75	536	1,836
		6 P. M.	1.05	649	
7th ...	0.15	6 A. M.	0.63	504	1,570
		6 P. M.	0.53	477	

*Proceedings of the Madras Government, Public Works Department,
25th January 1871.*

Table of Rainfall and Discharge of Perryaur during November 1870.—(Continued.)

Dates.	Rainfall at Perryaur Camp.	Hours.	Water level in feet.	DISCHARGE.	
				Cubic feet per second.	1,000 Cubic yards per day.
	INCHES.				
8th ...	0.22	6 A. M.	0.50	451	1,443
		6 P. M.	0.50	451	
9th ...	0.07	6 A. M.	1.66	928	2,899
		6 P. M.	1.53	884	
10th ...	0.10	6 A. M.	1.58	884	2,706
		6 P. M.	1.42	807	
11th ...	0.10	6 A. M.	1.33	766	2,176
		6 P. M.	0.91	594	
12th ...	0.10	6 A. M.	3.40	1,978	5,402
		6 P. M.	2.40	1,398	
13th ...	0.13	6 A. M.	4.00	2,457	6,336
		6 P. M.	2.58	1,503	
14th ...	0.50	6 A. M.	2.75	1,602	4,385
		6 P. M.	2.00	1,139	
		6 A. M.	3.20	1,856	
		8 A. M.	4.71	3,191	
15th ...	0.45	10 A. M.	5.63	4,103	21,158
		12 NOON.	8.00	6,925	
		2 P. M.	11.33	11,995	
		4 P. M.	10.03	9,933	
		6 P. M.	9.00	8,282	
16th ...	0.04	6 A. M.	4.30	2,696	7,203
		12 NOON.	3.55	2,079	
		6 P. M.	3.40	1,978	
17th ...	0.02	6 A. M.	2.75	1,602	4,800
		6 P. M.	2.40	1,398	
18th ...	0.12	6 A. M.	2.50	1,461	4,477
		6 P. M.	2.30	1,337	
		6 A. M.	8.00	6,925	
		8 A. M.	7.80	6,661	
19th ...	0.14	10 A. M.	6.72	5,322	13,731
		12 NOON.	4.90	3,377	
		2 P. M.	4.50	2,916	
		4 P. M.	4.15	2,560	
		6 P. M.	3.80	2,280	
		6 A. M.	5.20	3,663	
		8 A. M.	4.80	3,277	
20th ...	0.30	10 A. M.	4.40	2,877	8,576
		12 NOON.	4.20	2,680	
		2 P. M.	3.90	2,368	
		4 P. M.	3.40	1,978	
		6 P. M.	3.30	1,913	
21st ...	0.01	6 A. M.	2.90	1,682	4,678
		6 P. M.	2.15	1,242	
22nd ...	0.02	6 A. M.	1.85	1,043	2,872
		6 P. M.	1.30	752	
23rd ...	0.01	6 A. M.	3.10	1,791	4,914
		6 P. M.	2.20	1,277	
24th ...	0.01	6 A. M.	1.85	1,043	3,021
		6 P. M.	1.50	845	
25th ...	0.01	6 A. M.	1.40	798	2,480
		6 P. M.	1.30	752	
26th ...	0.02	6 A. M.	1.05	649	2,077
		6 P. M.	1.05	649	
27th ...	0.02	6 A. M.	0.75	536	1,715
		6 P. M.	0.75	536	
28th ...	0.02	6 A. M.	0.60	483	1,546
		6 P. M.	0.60	483	

Proceedings of the Madras Government Public Works Department,
25th January 1871.

Table of Rainfall and Discharge of Perryaur during November 1870.—(Concluded.)

Dates.	Rainfall at Perryaur Camp.	Hours.	Water level in feet.	DISCHARGE.	
				Cubic feet per second.	1,000 Cubic yards per day.
29th	0.00	6 A. M.	0.50	451	1,443
		6 P. M.	0.50	451	
30th	0.00	6 A. M.	0.50	451	1,453
		6 P. M.	0.52	457	
Total...	3.84	Indus			122,008

Depth run off from Catchment Basin of 250 square miles = 5.67 inches.

Mean Discharge ... { 4,066,933 Cubic yards per day.
169,456 " " per hour.
1,271 " " feet per second.

Discharge of Perryaur in November 1869 496,396,000 Cubic yards.
Do. do. in November 1870 122,008,000

Difference... 374,388,000

(Signed) R. SMITH,

Executive Engineer on special duty.

MADURA,

12th December 1870.

No. 428.

ORDER THEREON, 25th January 1871, No. 210.

IRRIGATION, No. 23.

ORDERED to be recorded.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R.E.,

Secretary to Government.

Exd. E. C. Shunker.

Perryaur Project.
Table of Rainfall and Discharge of Perryaur during November 1870

Dates	Rainfall at Perryaur Camp. Inches	Hours	Water Level in feet	Discharge Cubic 1000 feet per Second per day	Dates	Rainfall at Perryaur Camp. Inches	Hours	Water Level in feet	Discharge Cubic 1000 feet per Second per day
1	0.25	6 a.m.	0.66	504	19	0.14	6 a.m.	8.00	6925
		6 p.m.	0.75	536			8 a.m.	7.80	6661
2	0.18	6 a.m.	0.50	451			10 a.m.	6.72	5322
		6 p.m.	0.50	451			12 noon	4.90	3377
3	0.05	6 a.m.	0.42	426			2 p.m.	4.50	2916
		6 p.m.	0.42	426			4 p.m.	4.15	2560
4	0.00	6 a.m.	0.35	408			6 p.m.	3.80	2280
		6 p.m.	0.35	408			6 a.m.	5.20	3668
5	0.65	6 a.m.	0.35	408			8 a.m.	4.80	3277
		6 p.m.	0.25	389			10 a.m.	4.40	2877
6	0.15	6 a.m.	0.75	536			12 noon	4.20	2680
		6 p.m.	1.65	849			2 p.m.	3.90	2368
7	0.15	6 a.m.	0.66	504			4 p.m.	3.40	1978
		6 p.m.	0.58	477			6 p.m.	3.30	1913
8	0.22	6 a.m.	0.50	451			6 a.m.	2.90	1682
		6 p.m.	0.50	451			6 p.m.	2.15	1242
9	0.07	6 a.m.	1.66	928			6 a.m.	1.85	1043
		6 p.m.	1.58	884			6 p.m.	1.30	752
10	0.10	6 a.m.	1.58	884			6 a.m.	3.10	1794
		6 p.m.	1.42	807			6 p.m.	2.20	1277
11	0.10	6 a.m.	1.33	766			6 a.m.	1.85	1043
		6 p.m.	0.91	594			6 p.m.	1.50	845
12	0.10	6 a.m.	3.40	1978			6 a.m.	1.40	798
		6 p.m.	2.40	1348			6 p.m.	1.30	752
13	0.13	6 a.m.	4.00	2457			6 a.m.	1.05	649
		6 p.m.	2.58	1503			6 p.m.	1.05	649
14	0.50	6 a.m.	2.75	1602			6 a.m.	0.75	536
		6 p.m.	2.00	1139			6 p.m.	0.75	536
15	0.45	6 a.m.	3.20	1856			6 a.m.	0.60	483
		8 a.m.	4.71	3191			6 p.m.	0.60	483
		10 a.m.	5.63	4103			6 a.m.	0.50	451
		12 noon	8.00	6925			6 p.m.	0.50	451
		2 p.m.	11.33	11995			6 a.m.	0.50	451
		4 p.m.	10.08	9933			6 p.m.	0.62	457
		6 p.m.	9.00	8282			6 a.m.	0.50	451
		6 a.m.	14.30	2696			6 p.m.	0.50	451
16	0.04	12 noon	3.55	2079			6 a.m.	0.50	451
		6 p.m.	3.40	1948			6 p.m.	0.50	451
17	0.02	6 a.m.	2.75	1602			6 a.m.	0.50	451
		6 p.m.	2.40	1398			6 p.m.	0.50	451
18	0.12	6 a.m.	2.50	1461			6 a.m.	0.50	451
		6 p.m.	2.30	1337			6 p.m.	0.50	451
Total	3.28			43,502	Total	3.84	Indus		122,008

Depth run off from Catchment Basins of 250 Square miles = 5.67 inches.
Mean Discharge { 4,066,933 Cubic yards per day
169,456 Cubic yards per hour
1,271 Cubic feet per second.

Discharge of Perryaur in November 1869 - 496,396,000 Cubic yards
Discharge of — Do — in November 1870 - 122,008,000
Difference - 374,388,000

Pl. Ex. Eng. offic.

Madura 12th Dec 1870.

Comp. [Signature]

1870.

[Signature]

Executive Engineer on special duty.

Enclosure of 2 in a letter from
 the Executive Engineer, in which
 duty of Madras District, dated
 12th December 1890.
 No. 283
 The Chief Engineer,
 for Madras
 18th 51/71.
 Table of Rainfall and
 discharge of Peryaaur
 during November 1890.

Peryaaur Project
 Table of rainfall and discharge of Peryaaur
 during the latter part of October
 1890.

Rainfall at Peryaaur Camp inches	Hours	Water level in feet	Discharge Cubic feet 1000 Cubic per second yards per day
0.30	{ 6 a.m. 6 p.m.	2.90 2.84	1682 1648 } 5,328
0.23	{ 6 a.m. 6 p.m.	2.65 2.60	1541 1514 } 4,888
0.33	{ 6 a.m. 6 p.m.	2.75 2.54	1602 1481 } 4,933
0.35	{ 6 a.m. 6 p.m.	2.26 2.50	1312 1461 } 4,437
0.50	{ 6 a.m. 6 p.m.	2.59 2.84	1509 1648 } 5,051
0.30	{ 6 a.m. 6 p.m.	2.98 2.84	1727 1648 } 5,400
0.15	{ 6 a.m. 6 p.m.	2.50 2.54	1461 1502 } 4,517
0.05	{ 6 a.m. 6 p.m.	2.20 1.85	1268 1043 } 3,698
0.02	{ 6 a.m. 6 p.m.	1.50 1.50	845 845 } 2,704
0.02	{ 6 a.m. 6 p.m.	1.30 1.24	752 726 } 2,365
0.00	{ 6 a.m. 6 p.m.	0.95 0.88	609 584 } 1,909
0.00	{ 6 a.m. 6 p.m.	0.75 0.75	536 536 } 1,715
0.08	{ 6 a.m. 6 p.m.	0.75 0.69	536 514 } 1,680
0.30	{ 6 a.m. 6 p.m.	0.65 0.60	500 483 } 1,573
2.61			50,198.

It runs off from Catchment Basin of 250 Square miles
 in 14 days = 2.33 inches

Means discharge { 3,585,571 Cubic yards per day
 149,399 Cubic yards per hour
 1,120 Cubic feet per second.

Exec. Engr. office
 12th December
 1890.

J. Smith
 Executive Engineer, P. S. S. S. S.

No 283 Special Executive Engineers Office
 Madras 12th December 1870

From
 R. Smith Esq^r
 Executive Engineer, Op. Special duty
 Madras District

Major J. Mullins R.E.
 Chief Engineer for Irrigations
 Madras

Enclosures 2.
 2. Tables of Rainfall
 and discharge of
 Perryaicut.

I have the honor to submit the
 subjoined report of the progress made, in
 November 1870, with the preparations of the
 Scheme for the diversion of the Perryaicut.
 2. The sinking of trial pits, at the
 different sites proposed for the Head Works
 in the Hills, was commenced and has been
 steadily proceeded with. Rock has been
 found, in all the saddles, at about 12 feet
 below the surface.

Enclosure 2. 1. as before from
 the Executive Engineer, Op. Special
 duty Madras District dated 12
 December 1870.
 No 283.
 To the Chief Engineer
 for Irrigations
 Madras.
 R. Smith Esq^r
 12th Dec 51/71
 Messrs Messrs L. & Co.
 Table of rainfall and
 discharge of Perryaicut
 during the latter part of
 October 1870. —

1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	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3. A path has been cleared along the road, constructed last year, to facilitate the transport of stores and supplies. Lieutenant Greer found this communication overgrown with jungle and almost impassable.

4. Judging from the results of this year's working, up to date, the reduced rate (6 annas per day) introduced, towards the close of last season, is ample remuneration for able-bodied men. The Coolies tried to get the original rate, of 8 annas per diem, and gave some trouble at first, but Lieutenant Greer was firm and managed so well that in a few days, he had more labourers than he could employ.

5. The designs for the works, and the ^{trial} estimates for the main channel, on the North of the Vigay, are in active preparation.

6. Statements showing the rain-fall at

at the Perryaur Camp, and the discharge of the Perryaur, from the 18th October to the 30th November 1870, inclusive, are enclosed. The usual diagrams will be submitted at an early date.

7. Annexed is an abstract of the Surveying and Levelling done during the month under review.

Branch	Linear	Levelling	Number	Number
Channel	miles of	operations	of permanency	of trial
Set out in	Country	of aggregate length	Benches	Pits sunk
Miles	Surveyed	in miles	of longitudinal and transverse sections fixed	to the full depth.
36 $\frac{3}{8}$	8 $\frac{1}{8}$	45 $\frac{7}{8}$	8.	84.

I have the honor to be
Sir,
Your Most Obedient Servant
G. Smith
Executive Engineer
One Special Duty
Madurai District

1871 Dec 21
No 283
283

The President,
The Special Agents

By Madam District

The Chief Engineer
for Chicago

Madras

Dec 19th
Dec 18th
Dec 17th
Dec 16th
Dec 15th
Dec 14th
Dec 13th
Dec 12th
Dec 11th
Dec 10th
Dec 9th
Dec 8th
Dec 7th
Dec 6th
Dec 5th
Dec 4th
Dec 3rd
Dec 2nd
Dec 1st

Submits the report of the
progress made in the
last with the preparations
of the scheme for the
divisions of the company

No 283 + 25 Aug 71
with an add

Order to be made
No 210

Aug 28/70

For London
25 Aug 71

Wm

No 51

Govt. of 1871 Madras.

PUBLIC WORKS.

To

Dated.

Recd.

Encl.

G. O. 25th July 1871, No. 210.

Nos. 127-128

Perryman's Report. The Report
submitted by the
Surveyor, on Special Duty
Madras, of the Perryman
Project for 1870,
recorded.