

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No. *2679*
B.P. No.

Press *Original*
Mis.

Dated *17. 9.*

195
187.5

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
17th September 1875.*

Read the following:—

No. 389. From the Chief Engineer, Public Works Department, dated 17th August 1875.

No. 390. ORDER THEREON, 17th September 1875, No. 2,679.

IRRIGATION, No. 37.

HIS EXCELLENCY the Governor in Council having deputed the Chief Engineer of the Public Works Department

to inspect the Madras Water Supply Head Works, has been greatly pleased to receive from him a report to the effect that the state of the channel is most creditable to all the Municipal Officers; and that the water, as taken from the Red Hill Lake and delivered at the Kilpauk reservoir, is of unobjectionable purity so far as can be judged by taste and smell.

2. The level of the Red Hill Tank has been kept lower in the Chief Engineer's opinion than was absolutely necessary for the execution of certain Minor New Works and Repairs in progress; and he finds fault with the Executive Engineer in charge for his defective knowledge of the levels, which led him to inform the President of the Municipality that he was maintaining a depth of $9\frac{1}{2}$ feet when it was actually $5\frac{1}{2}$ feet. It is desirable that the level should be maintained if possible at a constant height sufficient to admit of water being drawn off in the supply channel by other than the lowest pipe, water from which does not pass through the rough stone filter of the head works. Instructions have been given to let out the supply received in the Cholaveram Tank from late rainfall and Cortelliar freshes, to raise Red Hill Tank level as much as possible.

3. Major-General Walker reports further that from what he has been informed by the President of the Municipality, the deterioration of the water undoubtedly occurs in the delivery pipes, more especially at their terminations, where the water stagnates, and the animal and vegetable matter it contains dies and putrefies. Pending the construction of a settling reservoir such as that recommended in the Committee's report printed with G. O., No. 3,066, of 28th October 1874, it is imperative on the Municipality that they should obviate this stagnation of water as far as possible by converting all their terminal stand pipes into fountains with basins, perpetually discharging day and night. It is obvious, on sanitary grounds, that this is essentially necessary.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
" Superintending Engineer, Chingleput.
" Public Department.

Exd. E. C. Shunker.
Spare Copies

Public Works Dept.

Port. 17th Aug.

Comm. No. 2679-17 20/1/55

My dear Mullins

I took action
on your Demi Official of the 3rd,
which reached me yesterday,
proceeding at once to the
Office of the President of the
Municipal Commission; who
kindly arranged for our
joint inspection of the Red
Hills Water Supply Channel
and Head Works. It was
made this morning, Mr.
Stephenson the Municipal
Engineer, being in attendance,
and I must say the state
of the Channel is most cre-
ditable to all the Muni-

Pat Officers - The banks
are beautifully kept; and
there cannot possibly be
any deterioration of the
quality of the water in its
passage through the 7 miles
of the length of the channel.
Water taken out at either
end had no smell, and
was free from any objec-
tionable taste - In bulk
it looks but slightly turbid,
and is almost quite clear
when in a glass - The ac-
cumulation of weed in the
channel was quite unob-
jectionable; and the na-
ture of the weeds such as
I believe the Sanitary Authorities

Public Works Dept.

city would object to - There
being only 4 ft 2 inches of
water over the sill of the
lowest pipes, the whole
of the ground characterized
in your note as a lagoon,
was high and dry; and
there was certainly nothing
on it that could affect
the quality of the water
lying in the long and
well-defined channel
between the Head Works
and deep water of the
Lake - I could not
therefore advise Mr. Har-
rison to undertake
any embankments
alongside that channel -

Your note states that the water level of the Red Hills Tank has been unusually low owing to the small rainfall of this season - But you will observe from the accompanying copy of a letter from Capt. A. C. Smith to the President of the Muni. Com. that it has been kept low in order to admit of certain repairs being carried out - Colonel Nicolson also tells me that the insertion of one of Mr. Storey's Patent Sluices also necessitated the level being kept very low - Taken in connection with a very glaring error in par.

2

2. of Capt. Smith's letter understating the level of the lowest pipe by 4 feet, it w^d appear to me that the interests of the Madras public have been rather recklessly postponed to the convenience of execution of certain trivial Public Works, wh. might probably have been carried out under protection of ring-bands. I write thus subject to correction by you - But it is plain that when Capt. Smith thought he was allowing a head of $9\frac{1}{2}$ ft

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he was only allowing $5\frac{1}{2}$ ft. And that involves use of the very lowest pipes. The water from which discharges direct into the Channel, & not through the rough filter. Whatever weeds therefore there may be in the Channel leaving through the low ground of the Tank are bound to get free to find their way into the water, & supply them. I must accept of that. The former channel seemed to me remarkably clear of weeds. My con-

clusion ~~was~~ that our Officers are ~~called on~~ to do their best to maintain the Red Mill Tank Level at a minimum height of 7 to $7\frac{1}{2}$ ft above sill of lowest pipe, any at 38.5 to 39.0 to admit of the next lower pipe being always used. By an Overseer (I think at Red Mills Tank I am informed that late yesterday had raised the supply in Choldersum Tank to a depth of 7 feet over the Service Sill; of which it was proposed to draw the

off 4 ft into the Red Hills
sunk with the effect, as
he stated, of raising the
level of the latter 1 foot.
There was no unfinished
work which need prevent
this being done. I have
been in communication
with Col. Probert, on the
subject, and asked him
to keep the Red Hills Level
as high as possible -
All appear to be agreed
that the deterioration of
the water occurs in its
passage through the ser-
vice pipes; or rather
by stagnation at their ends.

Public Works Dept.

3/ - It seems to be at the ter-
minal fountain, not
at the intermediate foun-
tains that the water be-
comes offensive. There
is always more or less flow
past the latter, while at
the former the water may
stagnate for hours. The
remedy, (and it has
been tried with effect)
is to keep all terminal
fountains perpetually
running. This involves
possible waste of water,
if means of utilizing it
for strictly municipal
purposes, such as flush-

W

Mr. W. H. R. Hill

ing drains & watering
roads, cannot be devised.
The Municipality at present
draw off need pay for
much less water than is
stored for them, and a
little preparation in them
to spend more water in
measuring its purity, is
not uncalled for. And
if they have to pay for it,
they will soon find ways
and means of utilizing
it.
I have discussed with Mr.
Dunn the subject of
again utilizing drains

Wells and Danks. They
primarily have supported a
supply of good water. It
appears to consider the
proposal not a practical
one, as people prefer the
Red Hills supply generally
to any local supplies. And
I think the reopening
of long disused service
of water supply lines to
be attended with such
dangerous consequences
that I do not require the
approval of the Sanitation
Committee. I am, Sir,
Case before the Committee on
the subject.



Mr. G. A. 17 September 75
with 2679

Papers in
file

Dec 23

N-2 Range Office

abstract	Water supply - Supt	Red Hills	Chumburankum
	S.S. H.S.S.	S.S. O.C.	Sluiceway
Jan 1 - 19.81	- 16.51	21.75 - 11.10	18.66
Feb 1 - 19.12	- 15.62	21.25 - 10.60	17.25
March 1 - 18.24	- 14.74	20.44 - 9.79	15.45
April 1 - 17.02	- 13.52	19.38 - 8.73	12.52
May 1 - 15.62	- 12.12	18.08 - 7.43	9.70
June 1 - 13.86	- 10.36	16.94 - 6.29	6.74
July 1 -			4.41

S.S. - mean sluiceway

H.S.S. - tank sluiceway do for Red Hills Tank supply Chumburankum

O.C. - as calculated cut back

municipal supply in 1974-75 5.370 million

- April 75 0.539

- May 1.247

- June 2mo 0.409

Total quantity utilized in 1974-75 27.782 + 5.370 = 33.152 million

do Chumburankum do 38.437

N-533.

N-2 Range Office
1st June 1875.

From The Executive Engineer
N-2 or Mount Range
Chingput District
To The President
Municipal Commission
Madras.

Sir,

In reply to your N-¹⁷⁴₅₂₉ of 25th ultimo, I have the honor to inform you that I am obliged to keep the Red Hills Lake at as low a level as possible as I have several works which must be completed below old Calingulab ^{head} ~~head~~ to make the lake perfect.

* feet above
mean sea
level.

2. At present the water level in the lake is 37.25 and your lowest pipe is 27.31 there is at present therefore a head on your pipe of about 9 1/2 feet.

3. The weekly fall of level from irrigation and Municipal supplies and evaporation &c is about 30 foot in this hot season; the average weekly fall from April 1st to May 19th or a period of seven weeks was 29.5 foot per week.

4. At the present rate the water will

water will take 31 weeks to fall below
your lowest pipe or 20 weeks to such
a level as will begin to render your
supply uncertain and long before then
we ought to get a supply of rain and
by that time my works will I trust
be complete.

5. In case the evaporation
increases and the rain delays I can
still supply a large quantity of water
from Cholavaram but I have no wish
to do so until my work is nearly
complete.

I have the honor to be
Sir

Your most Obedient Servant,

Wm. A. Smith. Captain R.E.

Executive Engineer

No 2679. P. N. Rept. 3
Proceedings of the Madras Govt.
Under date 17th ^{Sept} Aug 75.
Read the following:
From the Chief Eng. Ord (H.E. dated 17 Aug 75)

His Excellency
the Governor in Council
having deputed the Chief
Engineer of the Public Works
Dept. to inspect the
Madras Water Supply
Head Works, has been
greatly pleased to receive
from him a Report to
the effect that the state
of the Channel is most
creditable to all the
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and that the water as
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able purity so far as
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The level of the Red
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than was absolutely
necessary for the specu-
lation of certain minor new
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defective knowledge of the
levels, which led him to
inform the President

of the Municipality that
he was maintaining a
depth of $9\frac{1}{2}$ feet when it
was actually $5\frac{1}{2}$ feet.

It is desirable that the
level should be main-
tained if possible at a
constant height sufficient
to admit of water being
drawn off in the supply
channel by other than
the lowest pipe, water
from which does not
pass through the rough
stone filter of the head
works. [But it is to be
observed that the Muni-
cipality, by not paying
for the full supply
stored for them, lose
all right to complain.

of the level at which
the water of the tank
may be kept. (As it is
instructions have been
given to let out the
supply received in the
Cholanerann ^{Tank} from lake
rainfall and Corbellias
freshes, to raise Red
Hill Tank Level as
much as possible.

Major General Walker
reports further that from
what he has been in-
formed by the President
of the Municipality the
degeneration of the water
undoubtedly occurs
in the delivery pipes,
more especially at their
terminations, where the
water stagnates, and
the animal and vegetable

matter it contains dies
and putrefies. Pending
the construction of a
settling Reservoir such
as that recommended
in the Committee's Re-
port printed with G.O.
No 3066 of 28th October 1874
but which the Munici-
pality have declined to
undertake, though ac-
cused of liberal assist-
ance from Government
it is imperative on
the Municipality
~~that they~~ that they
should provide this
stagnation of water as
far as possible by
converting all their per-
ennial shaft pipes
into fountains ^{with basins} per-
petually discharging

57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-1281-1282-1283-1284-1285-1286-1287-1288-1289-1290-1291-1292-1293-1294-1295-1296-1297-1298-1299-1300-1301-1302-1303-1304-1305-1306-1307-1308-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1322-1323-1324-1325-1326-1327-1328-1329-1330-1331-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1345-1346-1347-1348-1349-1350-1351-1352-1353-1354-1355-1356-1357-1358-1359-1360-1361-1362-1363-1364-1365-1366-1367-1368-1369-1370-1371-1372-1373-1374-1375-1376-1377-1378-1379-1380-1381-1382-1383-1384-1385-1386-1387-1388-1389-1390-1391-1392-1393-1394-1395-1396-1397-1398-1399-1400-1401-1402-1403-1404-1405-1406-1407-1408-1409-1410-1411-1412-1413-1414-1415-1416-1417-1418-1419-1420-1421-1422-1423-1424-1425-1426-1427-1428-1429-1430-1431-1432-1433-1434-1435-1436-1437-1438-1439-1440-1441-1442-1443-1444-1445-1446-1447-1448-1449-1450-1451-1452-1453-1454-1455-1456-1457-1458-1459-1460-1461-1462-1463-1464-1465-1466-1467-1468-1469-1470-1471-1472-1473-1474-1475-1476-1477-1478-1479-1480-1481-1482-1483-1484-1485-1486-1487-1488-1489-1490-1491-1492-1493-1494-1495-1496-1497-1498-1499-1500-1501-1502-1503-1504-1505-1506-1507-1508-1509-1510-1511-1512-1513-1514-1515-1516-1517-1518-1519-1520-1521-1522-1523-1524-1525-1526-1527-1528-1529-1530-1531-1532-1533-1534-1535-1536-1537-1538-1539-1540-1541-1542-1543-1544-1545-1546-1547-1548-1549-1550-1551-1552-1553-1554-1555-1556-1557-1558-1559-1560-1561-1562-1563-1564-1565-1566-1567-1568-1569-1570-1571-1572-1573-1574-1575-1576-1577-1578-1579-1580-1581-1582-1583-1584-1585-1586-1587-1588-1589-1590-1591-1592-1593-1594-1595-1596-1597-1598-1599-1600-1601-1602-1603-1604-1605-1606-1607-1608-1609-1610-1611-1612-1613-1614-1615-1616-1617-1618-1619-1620-1621-1622-1623-1624-1625-1626-1627-1628-1629-1630-1631-1632-1633-1634-1635-1636-1637-1638-1639-1640-1641-1642-1643-1644-1645-1646-1647-1648-1649-1650-1651-1652-1653-1654-1655-1656-1657-1658-1659-1660-1661-1662-1663-1664-1665-1666-1667-1668-1669-1670-1671-1672-1673-1674-1675-1676-1677-1678-1679-1680-1681-1682-1683-1684-1685-1686-1687-1688-1689-1690-1691-1692-1693-1694-1695-1696-1697-1698-1699-1700-1701-1702-1703-1704-1705-1706-1707-1708-1709-1710-1711-1712-1713-1714-1715-1716-1717-1718-1719-1720-1721-1722-1723-1724-1725-1726-1727-1728-1729-1730-1731-1732-1733-1734-1735-1736-1737-1738-1739-1740-1741-1742-1743-1744-1745-1746-1747-1748-1749-1750-1751-1752-1753-1754-1755-1756-1757-1758-1759-1760-1761-1762-1763-1764-1765-1766-1767-1768-1769-1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-263

day and night. The enormous difference between the quantity of water that was to be allowed for them, and that actually consumed, fully justifies the Government in insisting on the adoption of this measure, and it will freshen the Municipality to take measures to utilize the water for discharged, for Municipal purposes of such as watering streets and flushing drains, and let as little of it as possible be wasted.

C.M.W.

It is obvious on sanitary grounds that this is essentially necessary.

Let it be in force

SC Dis 22 - 4 - 10 - 75

Chmrs for Engrs -
S.E. Chinglput
Publ. Wks.

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Apr 17

A copy of the report to the Council of the Corporation of the City of Sydney, dated 10th April 1875, is hereby forwarded to the Council of the Corporation of the City of Sydney, dated 10th April 1875.

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Handwritten text, possibly "The General ..."

Handwritten text, possibly "19/9"

12389-390

Handwritten text, possibly "12"

Oct. of 1875  Madras
PUBLIC WORKS.

To

The Chief Engr.
for Madras.

Dated

Issued

Received

Encl.

G. O., 17th Sept 1875, No. 2649.

No. 389-390

Grants to Supply
Hond. Bonds. — Passing Orders
in the Chief Engineer's
Report of inspection of
the —.