



KERALA STATE ELECTRICITY BOARD Ltd.

(Incorporated under the Indian Companies Act, 1956)
(Registered office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695 004)
CIN - U40100KL2011SGC027424

OFFICE OF THE CHIEF ENGINEER (CIVIL) DAM SAFETY & DRIP

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Vidyuthi Bhavanam
Pattom, Thiruvananthapuram
Kerala, Pin – 695 004

No.CE(C-DSO)/Sand mining/2012 / 346

Dated: 05.07.2016

From

The Chief Engineer (Civil) Dam Safety & DRIP

To

The Managing Director
Travancore Cement Ltd.
Nettakom, Kottayam.

Sir,

Sub: De-siltation of Lower Periyar Reservoir Granting permission –
reg.

Ref: 1. G.O.(Rt) No. 276/2010/PD dt: 20.12.2010

2. G.O.(MS) No. 46/2011/ID/ dt: 21.02.2011

3. Your Letter No. 2693 & 2694 dt: 23.12.2015, addressed to
the Chairman of Managing Director KSEB and copy to this
office

4. B.O.(FTD) No. 1952/2016 (DGC/AEE-II/Desilting/2015) dt:
02.07.2016

Considering your request, vide reference cited (3) and
recommendations of the field offices sanction is accorded by the Board for
conducting de-siltation of Lower Periyar Reservoir subject to complying the
following conditions.

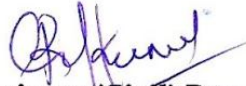
1. TCL shall plan the de-siltation/dredging operation in such a way
the quality of water in the river downstream of dam is not affected.
M/s TCL shall be responsible to resolve issues related to
maintenance of quality of water in the river downstream. KSEB will
have the right to stop the work at any time in case quality of water
in down stream is affected.
2. TCL shall avoid the de-siltation/dredging the reservoir during
summer when there is acute scarcity of water in the river
downstream, generally during the months from February to May, as
there is every chance of getting the quality of water affected during
dredging. TCL shall attempt dredging in summer season, only if,
they can prove that, their methodology of de-siltation will not cause
any impact on the quality of water.

3. TCL shall obtain permission from forest department before commencing the de-siltation/ dredging operation. A copy of permission granted by the forest department shall be made available to KSEB before commencing de-siltation.
4. TCL shall use only the dumping yard as included in the work plan of CESS, located in the upstream of the dam, for handling the dredged material.
5. Proper environmental safeguards for desiltation shall be ensured in consultation with concerned Statutory agencies and local bodies. TCL shall be responsible to check the environmental pollution, if any arises on any ground, and shall take suitable mitigation measures during transportation of dredged materials.
6. TCL shall be responsible for implementing environment management plan as per the work plan of CESS.
7. All law and order problems and safeguards during the desiltation operation shall be the sole responsibility of M/s TCL
8. TCL shall be responsible for ensuring the stability of river banks during de-siltation /dredging operation. If at all happens a slope failure or any other sorts of failure to the banks due to desiltation, TCL shall make good the banks with a stable profile.
9. TCL shall obtain concurrence for their proposal of de-siltation of reservoir from District Level Committee constituted for extraction of sand from dams etc. in Idukki District before commencing the work. They shall make available proof of concurrence obtained from the District level committee before commencing the de-siltation.
10. Area of operation shall be limited within a safe distance from dam and intake structures. Mining in the vicinity of intake area is dangerous due to heavy under current of water drawal towards the tunnel.
11. Sediments mainly consists of sand which is source of revenue. So removal of sand from the reservoir shall be subject to the Kerala Protection of River Banks and Regulation of Removal of Sand Act 2001.
12. TCL shall ensure that the operation of Lower Periyar Power Station is not affected adversely due to de-siltation/dredging operation. TCL shall stop the dredging if the KSEB insists so in case the dredging operation affects the operation of power plant. KSEB shall not be responsible for maintaining the water level in the reservoir for facilitating minimum depth of water for pumping or other wise.

13. De-siltation activities of TCL shall not conflict with any routine inspection or maintenance works of dam and its appurtenant structures of KSEB.
14. KSEB will not be responsible for any losses or damages sustained to the stake holders, on account of the de-siltation of Lower Periyar reservoir by TCL, in any manner.
15. TCL shall make good the losses if any sustained to KSEB directly or indirectly, as part of the implementation of de-siltation of the reservoir.
16. Chemicals or compounds which pollute the water should not be used.
17. No accommodation will be provided in the reservoir premises.
18. Good sanitation system should be implemented by the agencies for the workers engaged.
19. Intimate the workers identity details to the concerned authority with photo ID
20. TCL shall depute a responsible officer at the site to ensure that the conditions stipulated by KSEB are complied in its strict sense. TCL shall inform KSEB the details of the officer posted at site in writing. If it is found that TCL has failed to comply any of the conditions as stipulated above at any stage of work, KSEB has the right to stop the work and recommend to the authorities to revoke the permission granted after serving notice to the TCL official posted at site.

You are requested to attend the office with a Kerala Government stamp paper worth Rs.200 for executing an agreement with KSEBL for the fulfillment. You are also requested to contact the Deputy Chief Engineer Research & Dam Safety Organization, Pallom / Executive Engineer Research & Dam Safety Division Vazhathope for any further assistance.

Yours faithfully,



Chief Engineer (Civil) Dam Safety & DRIP



Copy to

1. Dy. CE R&DSO, Pallom for information and further action.
2. TA to Chairman & MD KSEB Ltd.
3. TA to Director (Generation & HRAM) KSEB.