



ABSTRACT

Public Works Department - Buildings Organisation - Construction projects - Execution of civil and electrical works in a single agreement to avoid delay in progress of works - Orders - Issued.

Public Works (G2) Department

G O (Ms).No.16

Dated 17.01.2018
Heyvilambi, Thai-4
Thiruvalluvar Aandu 2048

Read:

From the Engineer-in-Chief (Buildings), Chief Engineer (Buildings), Chennai Region and Chief Engineer (General), Public Works Department, Chennai Letter No.EIC(B)/10947, dated 07.11.2017.

ORDER:

In his letter read above, the Engineer-in-Chief (Buildings), Chief Engineer (Buildings), Chennai Region and Chief Engineer (General), Public Works Department, Chennai has stated that after issue of administrative sanction to the construction work, the estimate for the work technically sanctioned by authorities concerned in which detailed quantities for civil works will be arrived and for internal and external electrical works necessary lump sum provisions will be made in the estimate. After the Technical Sanction of the estimate, tenders will be invited for the civil works and separate tenders will be invited for the electrical works within the sanctioned Lump sum provision which resulting in additional advertisement cost and man power for scrutinising the tenders.

2. He has further stated that during review of the progress of works among Executive Engineers (Civil and Electrical), it was observed that, in the past and present years most of the construction projects are delayed due to the execution of electrical works by separate agencies due to following reasons:-

- (i) Starting from the Ground floor construction activities of civil works, the electrical works have to be simultaneously carried out. This is not happening in most of the works since the tenders for electrical works are called for only after certain stages of the civil works, resulting in delay in completion of the Project.
- (ii) Further after centering works are carried out and before laying of ground floor/roof slab concrete by the civil agency, the necessary electrical pipes have to be laid by electrical agency in the slab so that the continuous

process of concreting can be completed by the civil contractor for which finalisation of electrical agency were not completed in most of the cases. Hence, in that situation the progress of laying concrete for ground floor slab delayed which results in postponement of consequent activities of civil construction works.

- (iii) Moreover, after completion of civil works, the electrical contractor damages the plastered walls to carry out internal electrical works, such as fixing electrical pipelines, electrical junction boxes, etc. Most of the external electrical works also getting delayed due to execution of electrical works by separate electrical agencies.
- (iv) In Public Works Department, there are separate contractors for civil and electrical works, having separate registration conditions, in particular, electrical contractors should have Electrical license from Electrical License Board. In certain cases the civil contractors are also registering for both civil and electrical works satisfying both the criteria.
- (v) In World Bank assisted works, the civil and electrical works are executed with single agreement which are in force in this department.
- (vi) The Hon'ble High Court of Madras in its order dated 12.10.2009 in W.P. No. 7582 of 2009 vacated the stay petition filed against executing civil and electrical works as one package, as being practiced in World bank projects for the Construction of School Buildings under NABARD Scheme in PWD Buildings. The Writ Appeal No.1688 of 2009 filed by the writ petitioner before the Hon'ble High court against the above said order was also dismissed by the orders of the Hon'ble Court, dated 24.11.2009.
- (vii) Further, in the above judgement, the Hon'ble High Court observed that "A contractor who intends to apply will have to provide both these facilities viz. Civil and Electrical. If he provides both of them he will be considered for entrustment of works. If the appellant who is a electrical contractor, engages a Civil Engineer for performing civil works also, his name will be considered for awarding of contract".
- (viii) Based on the above High Court order, PWD is already implementing the Civil and Electrical works in single agreement for School Buildings under NABARD Scheme which are completed within the stipulated time.

3. The Engineer-in-Chief(Buildings), Chief Engineer (Buildings), Chennai Region and Chief Engineer(General), Public Works Department, Chennai has further stated that in case the Civil contractor does not have Electrical License issued by Electrical Licensing Board of Government of Tamil Nadu, the Civil Contractor while tendering has to furnish an Undertaking from the person who is having electrical License issued from Electrical Licensing Board, Government of Tamil Nadu stating that the concerned electrical works will be executed under supervision by him. Hence, the electrical works are executed only under supervision of the concerned Electrical Engineers, in turn the electrical contractors will not suffer and can execute electrical works under main contractors to avoid delay in completion of works.

4. He has further stated that presently the electrical contracts are awarded with electrical works only. Besides this, awarding of contract to the electrical contractors for

the combined works of civil and electrical in a single agreement is recommended based on the views of the Hon'ble High Court, subject to the condition that electrical contractor has to engage qualified Civil Engineers with good credentials in civil engineering works. The electrical contractors have to produce consent letters from the civil engineers stating that the civil engineers are willing to work in that particular site. The electrical contractors can participate in civil works also up to their eligibility in electrical works according to their class, they have been registered.

5. He has further stated that the Departmental Electrical Engineers (up to Assistant Engineer, Electrical) *hold responsibility of inspecting the execution of electrical works and recording the measurements in measurement book and certifying for making payment in respect of Electrical works executed under the authorised supervision of electrical licensed person in single agreement executed by the Civil contractor.*

6. Based on the reasons explained above, the Engineer-in-Chief (Buildings), Public Works Department requested orders of the Government for "executing the civil and electrical works in a single agreement" to avoid delay in progress of works.

7. The Government after careful examination, decided to accept the proposal of the Engineer-in-Chief (Buildings), Chief Engineer (Buildings), Chennai Region & Chief Engineer (General), Public Works Department and accordingly issue the following orders :-

- (I) Permission is granted to execute the Civil and Electrical works in a **single agreement** and awarded to a **Civil Contractor**, as one package as being practiced in World Bank assisted schemes, in order to avoid delay in completion of the buildings construction work, subject to the following conditions.-
 - (a) In case the Civil Contractor does not have Electrical License issued by Electrical Licensing Board of Government of Tamil Nadu, the Civil contractor while applying for tender has to furnish an Undertaking from the Electrical Engineer, who is having Electrical License issued from Electrical Licensing Board, Government of Tamil Nadu stating that the concerned electrical works will be executed under his supervision.
 - (b) The Electrical Engineers of Public Works Department hold responsibility of inspecting the execution of electrical works *and recording the measurements in Measurement Book and certifying for making payment in respect of Electrical works executed under the supervision of authorised Electrical Engineer in the single agreement executed by the Civil Contractor.*
- (II) Permission also granted for awarding of contract to the **Electrical contractors** for the combined works of civil and electrical, in a **single agreement**, based on the views of the Hon'ble High Court of Madras in its order dated 24.11.2009 passed in Writ Appeal No.1688/2009, subject to the following conditions:
 - (a) Electrical contractor has to engage qualified Civil Engineers with good credentials in Civil engineering works.
 - (b) The electrical contractors have to produce consent letters from the Civil Engineers stating that they are willing to work in that particular site.

