



GOVERNMENT OF KERALA

Abstract

Public Works Department - Rates for various investigation works entrusted to approved consultants - Proposal accepted - Orders issued

PUBLIC WORKS (H) DEPARTMENT

C.O.(Rt) No.241/2014/PWD

Dated, Thiruvananthapuram 17.02.2014

Read:- Letter No.CE/Admn/PLA/1014/05 dt. 24.05.2013 from the Chief Engineer (Admn), PWD, Thiruvananthapuram.

ORDER

The Chief Engineer (Admn) in his letter read above, furnished proposals for the revision of rates for various investigation works entrusted to approved consultants. Government have examined the matter in detail and are pleased to accept the proposal for the revision of rates as appended.

The revised rates will be effective from 01.03.2013.

By Order of the Governor
S.ROOPAKALA JAGATH
Special Secretary to Govt.

To

The Chief Engineer (Administration), PWD, Thiruvananthapuram
The Chief Engineer (R&B), PWD, Thiruvananthapuram
The Chief Engineer (Buildings), PWD, Thiruvananthapuram
The Chief Engineer (National Highways), PWD, Thiruvananthapuram
The Chief Engineer, DRIQ, PWD, Thiruvananthapuram
The Principal Accountant General (Audit), Kerala, Thiruvananthapuram
The Accountant General (A&E), Kerala, Thiruvananthapuram
SF/OC

Forwarded/By Order

Section Officer.

REVISION OF RATES FOR INVESTIGATION OF WORKS BASED ON 2012 SCHEDULE OF RATES

| Sl. No. | Description of works | Rate based on 2012 SOR |
|------------------------------------|--|---------------------------------------|
| I. Soil Investigation Work: | | |
| 1 | Mobilisation including transportation of all necessary plant and equipments and materials of boring, field testing and sampling and demobilization after completing the work For machine boring For hand boring | ₹ 15798/ set ₹ 8173/ set |
| 2 | Setting up boring rig at each bore hole locations including carrying all necessary plant, equipment and materials of boring and field tests and collection of samples at each bore hole location For machine boring For hand boring | ₹ 3000/ bore hole ₹ 600/ bore hole |
| 3 | Boring with rotary power drilling equipments in a) all types of soil having N value less than 50 excluding hard rock, soft rock or medium rock for strata upto 10m including conducting necessary S.P.T and recovery of undisturbed soil samples at 5m Intervals. ₹ 923/m for ordinary soil ₹ 1200/m for under water b) For next 10m -do- upto a depth of 20m ₹ 1025/m for ordinary soil ₹ 1300/m for under water c) For next 10m up to 30m depth ₹ 1050/m for ordinary soil ₹ 1400/m for under water d) Above 30M ₹ 1100/m for ordinary soil Above 30 M ₹ 1500/m for under water | |
| 4 | Boring through all types of hard rock or similar refusal strata of N value greater than 50 using diamond core drilling bit for in land, under water and banks of river | ₹ 4941/m |

| | | |
|----|--|---|
| 5 | Boring through all classes of rock excluding hard rocks having "N" value greater than 50 using tungsten carbide drilling bit a) In land b) Water | ₹ 2401/m ₹ 2628/m |
| 6 | Recovering undisturbed soil samples using thin tube sampler of 75mm to 100mm internal dia 500mm length conforming to relevant IS code at any required depth including cleaning the bore hole etc. complete | ₹ 518/E |
| 7 | Conducting standard penetration test in borehole at any depth | ₹ 203/E |
| 8 | Recovering disturbed samples and preserving the same in air tight sample containers including waxing labeling packing storing including cost of container as per IS code | ₹ 63/E |
| 9 | Erecting platform over 2 Nos. of second class boat using mango wood planks of not less than 30mm thick, mango wood joists of 100mmx 70mm at 60cm intervals including labour and hire of all materials and dismantling the platform after completion of work etc. complete excluding the hire of boats (A platform of minimum size 6.00x5.00m will be required) | ₹ 4948/10m ² |
| 10 | Hire charges for providing 2 Nos. of II nd class boat with boatman for erecting the platform over which the boring plant in to be erected and 1 no. of II nd class boat with one boatman for conveying the departmental staff and labour engaged from the banks to platform and back etc. | ₹ 2087/day |
| 11 | Compilation of all field data with recommendation for a suitable foundation after conducting necessary lab tests (report in triplicate) a) Machine boring b) Hand boring for additional set | ₹ 10000/set } for 5 bore ₹ 5000/set } holes ₹ 2000 per extra for bore holes exceeding 5 Nos. (for machine boring) |
| 12 | Total Station Surveying and Preparation of site plan a) Plain and open area without hindrance to line of sight with 1M contour interval with 5mx5m interval b) Plain built up area with hindrance to line of sight due to buildings/structures c) In hilly terrain | ₹ 9703/Hectr ₹ 11131/Hectr ₹ 11790/Hectr |

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|-----------|--|---|
| 13 | Providing access to the site, clearing site and making good for surveying in order to provide clear line of site devoid of any hindrance due to vegetation etc and clearing areas for station points (This item is applicable only for sites without access such as in case of new road formations, bridge and building sites at inaccessible locations) | ₹ 4147/Hectr |
| 14 | Cross Sectional details a) River b) Thodu | ₹ 9/m2 ₹ 5/m2 |
| 15 | Hydraulic and Velocity Calculation a) River b) Thodu | ₹ 1294/set ₹ 808/set |
| 16 | Preparation of detailed Project Report of the bridge works containing alignment plan, Key plan, Contour plan, Index map, Longitudinal and Cross Section of road and river/thodu cross section of bridge hydraulic and velocity calculations including neat filing and supplying five set DPR etc. as per the direction of departmental officers. | ₹ 33999/set |
| 17 | Providing access to the site, clearing site and making good to erecting and conducting soil testing transfers within the site and for any other temporary arrangements to be erected within the area in connection with conducting soil testing | ₹ 298.50/10m2 |
| II | | |
| 1 | Structural design of building up to 1000 m2 | ₹ 65/m2 |
| 2 | For additional area | ₹ 50/m2 |
| 3 | Preparation of structural design for infrastructures such as water tank, sump culverts, retaining wall etc. | 0.75% of the estimate cost of respective items or by negotiation. |
| 4 | Preparation of detailed estimate based on standard data | 0.75% of estimate cost or by negotiation |
| 5 | Preparation of Architectural drawing | 1% of the estimate cost of the building based on plith area rate. |

CHIEF ENGINEER