

പതിനാലാം കേരള നിയമസഭ

ഏഴാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നമിടാത്ത ചോദ്യം നം.3210

21.08.2017 -ൽ മറുപടിക്ക്

ചന്ദ്രഗിരികോട്ടയുടെ വികസനം

ചോദ്യം

ശ്രീ. കെ.കഞ്ഞിരാമൻ


ഉത്തരം

ശ്രീ. രാമചന്ദ്രൻ കടന്നപ്പള്ളി

ബഹു.തറമുഖവും മൃസിയവും

പുരാവസ്തു സംരക്ഷണവും വകുപ്പ് മന്ത്രി

(എ)	ഈ സർക്കാർ അധികാരത്തിൽ വന്നതിനു ശേഷം കാസർഗോഡ് ജില്ലയിലെ ചന്ദ്രഗിരി കോട്ടയുടെ വികസനത്തിനായി തുക അനുവദിച്ചിട്ടുണ്ടോ; വിശദാംശങ്ങൾ അറിയിക്കാമോ;	(എ) & (ബി)	കാസർഗോഡ് ജില്ലയിലെ ചന്ദ്രഗിരി കോട്ടയുടെ വികസനത്തിനായി 80 ലക്ഷം രൂപയുടെ ഭരണാനുമതി നൽകിയിട്ടുണ്ട്. ഭരണാനുമതി നൽകിയ സ.ഉ.(സാധ)291/17/CAD. തീയതി:04/04/2017 നമ്പർ ഉത്തരവിന്റെയും എസ്റ്റിമേറ്റിന്റെയും പകർപ്പുകൾ അനുബന്ധമായി ചേർത്തിട്ടുണ്ട്.
(ബി)	എങ്കിൽ ഇത് സംബന്ധിച്ച ഭരണാനുമതി ഉത്തരവിന്റെ പകർപ്പും എസ്റ്റിമേറ്റും ലഭ്യമാക്കാമോ?		



സെക്ഷൻ ഓഫീസർ



GOVERNMENT OF KERALA  
Abstract

Cultural Affairs Department - Archaeology Department - Annual Plan 2017-18 -  
Projects included in the Green Book 2017-18 - Administrative Sanction - accorded -  
Orders issued.

**CULTURAL AFFAIRS (B) DEPARTMENT**

**G.O.(Rt)No. 291/2017/CAD.**

**Dated, Thiruvananthapuram, 04.04.2017**

- Read:-
1. G.O (P) No. 8/17/Fin. Dtd: 25.01.17.
  2. G.O (Ms) No. 6/17/Plg. Dtd: 18.03.17.
  3. Letter No.A1-4613/2016/DA dtd: 16.02.17 from the Director,  
Archaeology Department, Thiruvananthapuram.
  4. Minutes of the PPG Meeting held on 21.02.2017
  5. G.O.(Ms) No. 12/17/Plg. Dtd: 18.03.2017.

**ORDER**

As per the Government Orders read as first & second above, Government have issued directions for processing the proposals for the schemes / projects to be included in the Green Book for the year 2017-18. The Director, Archaeology Department has forwarded the proposals with an amount of Rs. 210 lakh for the approval of the Plan Preparation Group and including in the Green Book for the year 2017-18.

2. The Plan Preparation Group (PPG) meeting held on 21.02.17, considered and approved the four proposals for an amount of Rs. 210 lakh, out of the total budgeted out lay of Rs. 2400/- lakhs and recommended for including the same in the Green Book 2017-18. The proposals of the Archaeology Department have been included in the Green Book by the State Planning Board.

3. In the circumstances, Government are pleased to accord administrative sanction for the proposals and for executing the works at the cost noted against each below.

Sl. No.	Name of Work	Head of Account	Amount in lakh (Rs)
1	Comprehensive protection and allied works to the protected monument - Chandragiri Fort in Kasaragod - Dist.	2205-00-103-89 Archaeological Buildings	80
2	Comprehensive protection and allied works to the protected monument - Pallipuram Fort in Thrissur - Dist.	2205-00-103-89 Archaeological Buildings	40
3	Comprehensive protection and allied works to the protected monument - Thripunithura Hill Palace, Ernakulam - Dist.	2205-00-103-91 Archaeological Museum @ Ernakulam	60
4	Comprehensive protection and allied works to the protected monument - Dolments at Marayoor, Idukki - Dist.	2205-00-103-89 Archaeological Buildings	30
<b>TOTAL</b>			<b>210</b>

4. The expenditure shall be met from the budget allocation for the financial year 2017-18.

By Order of the Governor,

**SAJINLS**  
**Additional Secretary**

To

✓ The Director, Archaeology Department, Thiruvananthapuram.  
Principal Accountant General (Audit), Kerala, Thiruvananthapuram.  
Accountant General (A&E), Kerala, Thiruvananthapuram.  
Member Secretary, State Planning Board, Pattom, Thiruvananthapuram  
Finance Department  
Planning & Economic Affairs Department  
I & PR (Web & New Media) Department  
Stock File / Office Copy.

Forwarded by Order,

  
Section Officer.

**Comprehensive Protection and Allied works to the Protected Monument**  
**Chandragiri Fort in Kasaragod District (Phase 1) 2017-18**

**Abstract Estimate**

**Appendix A: Conservation of Fort & Allied Works**

- |   |  |                             |                |
|---|--|-----------------------------|----------------|
| 1 | Felling trees beyond 30 cm girth up to and including 60 cm girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material.   | 20 nos. @ Rs. 307.30/each   | Rs. 6146.00    |
| 2 | Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.   | 1050 m2 @ Rs. 10.10/m2      | Rs. 10605.00   |
| 3 | Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared..   | 10000 m2 @Rs. 5.10/m2       | Rs. 51000.00   |
| 4 | Earth work in excavation in all kinds of soil by manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. | 462 m3 @ Rs. 233.30/m3      | Rs. 107785.00  |
| 5 | Providing and laying in position cement concrete 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)excluding the cost of centering and shuttering - All work up to plinth level.   | 231 m3 @ Rs. 6278.35/m3     | Rs. 1450299.00 |
| 6 | Flooring with laterite stone of size 40x20x15cm or nearest available size, laid on cement mortar 1:4 (1 cement : 4 coarse sand) 12mm thick, including filling the joints with same mortar etc. complete.   | 1487.50 m2 @ Rs. 1030.00/m2 | Rs. 1532125.00 |
| 7 | Exposed laterite masonry with laterite block of 40x20x15 cm or nearest available size, in cement mortar 1:4 (1 cement : 4 coarse sand) including all labour charges, material cost etc complete.   | 187.20 m3 @ Rs. 6930.85/m3  | Rs. 1297455.00 |
| 8 | Providing exposed ornamental laterite masonry with stone of size 40x20x15cm or nearest available size in cement mortar 1:4 (1 cement : 4 coarse sand) including all cost of materials and labour charges etc complete.   | 13 m3 @ Rs. 8576.00/m3      | Rs. 111488.00  |
| 9 | Providing and fixing double scaffolding system (cup lock type) on the exterior side of structure, up to seven storey height, above ground level, including   |                             |                |

additional rows of scaffolding in stepped manner as per requirement of site, made with 40 mm dia MS tube, placed 1.50 m centre to centre, horizontal and vertical tubes jointing with cup and lock system with M.S Tubes, M.S. tube challies, M.S clamps and stair case system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners connected with the buildings etc. wherever required for the inspection of work at required locations with essential safety features for the workmen etc. complete as per direction of the engineer in-charge. The elevation of the scaffolding shall be measured for the payment purpose. The payment will be made once in irrespective of duration of scaffolding.

	400 m2 @ Rs. 224.55/m2	Rs.	89820.00
10	Raking out joints of stone masonry surface to the required width and depth, with due care and precaution, by manual means, including preparing and cleaning the surface for re-pointing/ refilling of joints, including disposal of rubbish to the dumping ground within 50 meter lead.		
	2000 m2 @ Rs. 41.55/m2	Rs.	83100.00
11	Pointing exposed laterite masonry wall with cement mortar 1:3 (1 cement : 3 fine sand) including cost of matching pigments etc. complete.		
	2000 m2 @ Rs. 225.60/m2	Rs.	451200.00
12	Supplying and filling contractors own earth from available source including royalty of earth, labour charges for filling and conveyance etc complete.		
	110.25 m3 @ Rs. 599.70/m3	Rs.	66117.00
13	Electrification and allied works.		
	L.S.	Rs.	300000.00
14	Landscaping works including turfing with appropriate grass and heritage plants as per the direction of the departmental officer at site.		
	L.S.	Rs.	200000.00
15	Comprehensive documentation of the structure in graphics, photo and video before, while and after completion of the work.		
	L.S.	Rs.	20000.00
<b>Appendix B: Construction of Toilet Block</b>		<b>Total</b>	<b>Rs. 57,77,140.00</b>

16	Earth work in excavation in all kinds of soil by manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.		
	15.20 m3 @ Rs. 233.30/m3	Rs.	3546.00
17	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with cement mortar 1:6 (1 cement : 6 coarse sand).		
	20.30 m3 @ Rs. 5565.70/m3	Rs.	112984.00

18	Exposed laterite masonry with laterite block of 40x20x15 cm or nearest available size, in cement mortar 1:4 (1 cement : 4 coarse sand) including all labour charges, material cost etc complete.	22.85 m3 @ Rs. 6930.85/m3	Rs.	158370.00
19	Centering and shuttering including strutting, propping etc. and removal of form for all heights for lintels, beams, plinth beams, girders, bressumers and cantilevers.	17.45 m2 @ Rs. 480.75/m2	Rs.	8389.00
20	Steel reinforcement for R.C.C. work using cold twisted bars including straightening, cutting, bending, placing in position and binding all complete above plinth level.	200 kg @ Rs. 79.35/kg	Rs.	15870.00
21	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	1.55 m3 @ Rs. 10361.90/m3	Rs.	16061.00
22	12 mm cement plaster of mix 1:4 (1 cement : 4 coarse sand).	256.35 m2 @ Rs. 253.55/m2	Rs.	64998.00
23	Steel work using hot finished seamless type tubes in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.	2830.20 kg @ Rs. 131.65/kg	Rs.	372596.00
24	Providing & fixing on roof pressed clay tile (Mangalore tile) of 20 mm nominal thickness and of approved size and as per approved pattern on steel frame work complete (steel frame work to be paid separately).	79.90 m2 @ Rs. 333.70/m2	Rs.	26663.00
25	Providing & laying on roof pressed clay tile ridge (Mangalore tile) of 20mm thickness and of approved pattern on steel frame work complete (steel frame work to be paid separately).	44.10 m @ Rs. 189.35/Rm	Rs.	8350.00
26	Providing and laying in position cement concrete 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) excluding the cost of centering and shuttering - All work up to plinth level.	5 m3 @ Rs. 6278.35/m3	Rs.	31392.00
27	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	20.35 m2 @ Rs. 1153.05/m2	Rs.	23465.00

- 28 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.  
93.10 m<sup>2</sup> @ Rs. 1044.20/m<sup>2</sup> Rs. 97215.00
- 29 Providing and fixing polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron) work for shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately).  
130 kg @ Rs. 634.25/kg Rs. 82453.00
- 30 Providing and fixing paneling with 7.5mm thick PVC wooden grains panel in roof ceiling as per direction of the departmental officer at site.  
24.35 m<sup>2</sup> @ Rs. 634.90/m<sup>2</sup> Rs. 15460.00
- 31 Providing and fixing glazing with float glass panes of 4.0 mm thickness in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge (Cost of aluminium snap beading shall be paid in basic item).  
2.55 m<sup>2</sup> @ Rs. 1039.60/m<sup>2</sup> Rs. 2651.00
- 32 Providing and fixing stainless steel base wall mounted rail with hinges of size 600 x 100mm sleeved with contour finished nylon for grip anti bacterial surface (load capacity 150 kg) including labour charges for fixing etc complete.  
2 nos. @ Rs. 11130.30/each Rs. 22261.00
- 33 Providing and fixing factory made uPVC door frame made of uPVC extruded section profile size 42x50mm having an overall dimension as below (tolerance  $\pm 1$ mm), with wall thickness 2.0 mm ( $\pm 0.2$  mm), corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm ( $\pm 0.1$  mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in- charge.  
10.20 m @ Rs. 287.70/Rm Rs. 2935.00
- 34 Providing and fixing to existing door frames 24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm ( $\pm 0.2$  mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm ( $\pm 0.1$  mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm ( $\pm 0.2$  mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness

of 20 mm and 1 mm ( $\pm 0.1$  mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).

	6 m2 @ Rs. 2524.25/m2	Rs.	15146.00
35	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade, two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.		
	127.60 m2 @ Rs. 157.45/m2	Rs.	20091.00
36	Finishing with Deluxe Multi surface paint system two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm for interiors and exteriors using Primer as per manufacturers specifications.		
	260 m2 @ Rs. 138.70/m2	Rs.	36062.00
37	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).		
	80 Kg @ Rs. 662.30/Kg	Rs.	52984.00
38	Supplying, and fixing granite bench with top slab having size 1.50x0.45x0.10m (avg) thickness including making the surface to level and bevelling sharp edges including fixing the bench to line and level etc. complete, as per the direction of departmental officer at site.		
	25 nos. @ Rs. 20000.00/each	Rs.	500000.00
39	Water supply and sanitary installations.		
	L. S.	Rs.	300000.00
40	Boring/drilling bore, well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge.		
	L.S.	Rs.	200000.00
	Total	Rs.	21,89,942.00



## ABSTRACT

Appendix A	Rs. 5777140.00
Appendix B	Rs. 2189942.00
Contingencies & Unforeseen items	Rs. 32918.00

**GRAND TOTAL Rs. 80,00,000.00**

**(Rupees Eighty Lakh Only)**

A handwritten signature in black ink, appearing to be 'J. P. Singh', is written over a horizontal line.