

പതിനാലാം കേരള നിയമസഭ

നാലാം സമ്മേളനം

നക്ഷത്രചിഹ്നമിടാത്ത ചോദ്യം നമ്പർ.672

28/02/2017-ൽ മറുപടിക്ക്

കാസർഗോഡ് വൈദ്യുതിഭവൻ

	<p align="center"><u>ചോദ്യം</u></p> <p>ശ്രീ. എൻ.എ.നെല്ലിക്കന്</p>		<p align="center"><u>ഉത്തരം</u></p> <p align="center">ശ്രീ. എം.എം.മണി (വൈദ്യുതി വകുപ്പു മന്ത്രി)</p>
(എ)	<p>കാസർഗോഡ് വൈദ്യുതിഭവന്റെ നിർമ്മാണം എപ്പോൾ തുടങ്ങുമെന്ന് വ്യക്തമാക്കാമോ;</p>	(എ)	<p>കാസർഗോഡ് വൈദ്യുതി ഭവന്റെ നിർമ്മാണം 2017 ഏപ്രിൽ മാസത്തിൽ തുടങ്ങുന്നതിനുള്ള നടപടിക്രമങ്ങൾ നടന്നു വരുന്നു.</p>
(ബി)	<p>വൈദ്യുതിഭവൻ നിർമ്മിക്കാൻ ഉദ്ദേശിക്കുന്ന സ്ഥലം ഏത് മണ്ഡലത്തിലെ ഏത് പഞ്ചായത്തിലാണെന്നും സ്ഥലത്തിന്റെ വിസ്തീർണ്ണം എത്രയാണെന്നും വ്യക്തമാക്കാമോ;</p>	(ബി)	<p>വൈദ്യുതിഭവൻ നിർമ്മിക്കാൻ ഉദ്ദേശിക്കുന്ന സ്ഥലം കാസർഗോഡ് മണ്ഡലത്തിലെ ചെങ്കള പഞ്ചായത്തിലാണ്. ടി സ്ഥലത്തിന്റെ വിസ്തീർണ്ണം 50 സെന്റ് ആണ്.</p>
(സി)	<p>വൈദ്യുതിഭവൻ നിർമ്മാണത്തിന് എത്ര തുകയാണ് വിനിയോഗിക്കുന്നത്; ഈ ഫണ്ട് അനുവദിച്ചിട്ടുണ്ടോ; എങ്കിൽ ഭരണാനുമതിയുടെ പകർപ്പ് ലഭ്യമാക്കാമോ;</p>	(സി)	<p>കാസർഗോഡ് വൈദ്യുതി ഭവന്റെ നിർമ്മാണത്തിന് 4.2 കോടി രൂപയാണ് വിനിയോഗിക്കുവാൻ ഉദ്ദേശിക്കുന്നത്. ഇതിന് ഫണ്ട് അനുവദിച്ചിട്ടുള്ളതും ഭരണാനുമതി ലഭിച്ചിട്ടുള്ളതുമാകുന്നു. ഭരണാനുമതിയുടെ പകർപ്പ് അനുബന്ധമായി ചേർത്തിരിക്കുന്നു.</p>
(ഡി)	<p>നിർദ്ദിഷ്ട വൈദ്യുതിഭവനിൽ ഏതെല്ലാം ഓഫീസുകളാണ് പ്രവർത്തിക്കുക എന്ന് വ്യക്തമാക്കാമോ;</p>	(ഡി)	<p>നിർദ്ദിഷ്ട വൈദ്യുതിഭവനിൽ താഴെ പറയുന്ന ഓഫീസുകളാണ് ഉൾപ്പെടുത്തുവാൻ ഉദ്ദേശിക്കുന്നത്.</p> <ol style="list-style-type: none"> 1. ഇലക്ട്രിക്കൽ സർക്കിൾ, കാസർഗോഡ് 2. ഇലക്ട്രിക്കൽ സബ് ഡിവിഷൻ, കാസർഗോഡ് 3. സബ്സറ്റേഷൻ സബ്ഡിവിഷൻ, കാസർഗോഡ് 4. ഡിസ്ട്രിബ്യൂഷൻ സർക്കിൾ സ്റ്റോർ, കാസർഗോഡ് 5. എ.പി.റ്റി.എസ് ഓഫീസ്, കാസർഗോഡ്

		6. മീറ്റർ ടെസ്റ്റിംഗ് യൂണിറ്റ്, കാസർഗോഡ് 7. RAO ഓഫീസ്, കാസർഗോഡ് 8. TMR സബ് ഡിവിഷൻ, കാസർഗോഡ് 9. ട്രാൻസ്മിഷൻ ഡിവിഷൻ, കാസർഗോഡ്	
(ഇ)	വൈദ്യുതിഭവൻ യാഥാർത്ഥ്യ മാനദണ്ഡങ്ങളുടെ ഇപ്പോൾ വിവിധ ഓഫീസുകൾക്ക് വാടക ഇനത്തിൽ ചെലവാക്കുന്ന എത്ര തുക ലാഭിക്കാൻ കഴിയുമെന്നാണ് കരുതുന്നതെന്ന് വ്യക്തമാക്കുമോ?	(ഇ)	വൈദ്യുതിഭവൻ യാഥാർത്ഥ്യമാക ന്നതിലൂടെ വാടക ഇനത്തിലുള്ള 96,272/- രൂപ പ്രതിമാസം ലാഭിക്കാൻ സാധിക്കുമെന്ന് കണക്കാക്കുന്നു.

Kemalatha

സെക്ഷൻ ഓഫീസർ

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KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Indian Companies Act, 1956)

Registered Office : Vydyuthi Bhavanam, Pattom,

Thiruvananthapuram-695004.

CIN:U40100KL2011SGC027424

Abstract

Proposals for the Construction of Vydyuthi Bhavanam at Shornur and Kasargode using prefab technology - Administrative sanction accorded - Orders issued

CORPORATE OFFICE (SBU-G)

B.O(FTD)No.2203/2015(GPC4(C)/VB-SHNR/15/2008)Thiruvananthapuram,Dated 09.09.2015

Read:1.B.O(FM)No.1500/2008(GPC4(C)/VB-SHNR/15/2008) dated 17.06.2008

2. B.O No.411/95(TC-4/CCW/16/94/1140) dated 04.03.1995

3. Note No. CE/Civil Design/Prefab/ Shornur dated 05.08.2015 of the Deputy Chief Engineer (Prefab), Vydyuthi Bhavanam,Tvm

4.Note No. GPC4(C)/VB-SHNR/15/2008 dated 21.08.2015 of the Director(G & HRM)

ORDER

As per BO read as 1st and 2nd paper above Administrative sanction was accorded for the proposals for the construction of Vydyuthi Bhavanam at Shornur and Kasargode for accommodating various Board's offices functioning in the locality. Kerala State Electricity Board Limited has now started to explore various options available in Prefab mode of construction to overcome many issues in conventional method of construction and an exclusive cell has been formed for the purpose.

The Deputy Chief Engineer (Prefab Cell) as per note read as 3rd paper above has forwarded a proposal for the construction of Vydyuthi Bhavanam at Shornur and Kasargode using steel structure based prefab technology. The Deputy Chief Engineer (Prefab Cell) has pointed out that it is necessary that a new high level office has to be set up somewhere between Emakulam and Kozhikode as the present jurisdiction of the Chief Engineer (Distribution North) is vast. In the 220 KV substation compound, Shornur where TMR store is functioning has sufficient land for constructing a new Vydyuthi Bhanvam building to accommodate various offices viz: Electrical Circle, Transmission Division and RAO Shornur, O/o the Deputy Chief Engineer Transmission Development Team, Northern Region and the O/o Chief Engineer (Distribution) which may come up in future. Similarly the Vydyuthi Bhavanam , Kasargode can accommodate Electrical Circle , Electrical Division, Transmission Division, Electrical Sub Division, Sub-station Sub Division, TMR Sub Division and RAO Kasargode and the Transmission Circle which may come up in future.The Deputy Chief Engineer proposed a building in three floors with a total floor area of 1500 Sqm using steel structure based prefab technology with either

fibre cement board or calcium silicate board for walls, at the both locations to accommodate the various offices.

The Deputy Chief Engineer (Prefab Cell) has further pointed out that the Board has constructed the section office building at Punnapra using Glass Fibre Reinforced Gypsum (GFRG) based prefab technology and the cost came to ₹ 17870/- per sqm. The limitation of this technology is that the span of the rooms needs to be less than 5m. The advantage of going in for steel structure based prefab mode is: i) the building can be completed in short time. ii) larger column free space and high rise building can be designed iii) the building will have a better aesthetic appearance. iv) the external wall thickness of this type building will be 128mm and internal walls will be 104mm and thus the usable area will be more than that for a conventional building, where normally the wall thickness will be 230 mm v) the usage of scarce building materials like river sand, cement will be considerably reduced.

The Deputy Chief Engineer (Prefab Cell) has remarked that in future steel structure based prefab technology will gain acceptance and will be used to large extent and it is necessary that Kerala State Electricity Board Ltd also should gain experience in this technology. For small span buildings Board may adopt GFRG based prefab technology and for bigger span buildings Board may adopt steel structure based prefab technology. The cost of steel building will be on higher side and the cost of building will come around ₹ 27000/- per sqm. The Deputy Chief Engineer also remarked that if the Board can take up the buildings at Shornur and Kasargode together and accordingly invite tenders, prefab agencies will be interested to quote for the work, as there will be sufficient volume of work and thus it will be able to get competitive offers.

The Deputy Chief Engineer (Prefab Cell) has arrived the cost for the proposal in the following heads and requested Administrative Sanction for an amount of ₹ 4.57 crore (Rupees Four Crore Fifty Seven Lakh only) each for the construction of Vidyuthi Bhavanam at Shornur and Kasargode using steel structure based prefab technology.

No.	Item	Cost	Remark
1	Cost of each building	₹ 405 lakh	For an area of 1500 Sqm at ₹ 27000/- per sqm. including water supply and electrification.
2	Yard concreting, yard tiling, compound wall, gate, landscaping etc.	₹ 15 lakh	
3	Office furniture and furnishing	₹ 37 lakh	At ₹ 2500/- per sqm for modern modular furniture for the whole office.
	Total	₹ 457 lakh	

The Deputy Chief Engineer (Prefab Cell) has proposed to carry out the execution of the work in Engineering, Procurement and Construction (EPC) mode. The executing agency should give a guarantee of 10 years for the structure from the date of completion and there will be a defects liability period of 2 years from

The payment is proposed to be made on a percentage basis of the total cost, for each stage of completion and the Deputy Chief Engineer has forwarded a separate payment schedule for approval. The advance payment proposed shall be made on submission of Bank Guarantee for the equivalent amount. The Deputy Chief Engineer has also suggested to include necessary clause in the agreement to ensure above conditions.

Having considered the matter as per note read as 4th paper above, the Full Time Directors in the meeting held on 08.09.2015 decided to accord Administrative Sanction for an amount of ₹ 4.57 Crore each (Rupees Four Crore Fifty Seven Lakh only) for the construction of Vydyuthi Bhavanam at Shornur and Kasargode, using steel structure based prefab technology, by inviting tender for the construction in EPC mode with the following payment schedule.

Sl No	Milestone	% Payment
1	Signing of Contract	10
2	Upon approval of all drawings -architectural and structural drawing by KSEBL	10
3	Upon completion of foundation upto plinth level.	15
4	Upon completion of all structural erection works.	25
5	Upon completion of Wall cladding works including fixing of doors and windows in Ground floor	5
6	Upon completion of Wall cladding works including fixing of doors and windows in first floor	5
7	Upon completion of Wall cladding works including fixing of doors and windows in second floor and staircase/ lift tower	5
8	Upon completion of Electrification, Plumbing, Flooring and Painting	15
9	Upon completion in all respects including yard tiling works.	10

The Deputy Chief Engineer (Prefab Cell) shall take further necessary action in this regard.

Orders are issued accordingly.

BY ORDER OF THE FULL TIME DIRECTORS

Sd/-
R.RAJASEKHARAN NAIR
SECRETARY (ADMINISTRATION)

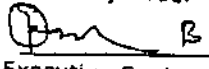
To,

The Deputy Chief Engineer (Prefab Cell), Vydyuthi Bhavanam, Tvm.

Copy to:-

- The Chief Engineer (Civil Construction - North), Kozhikkode
- The Chief Engineer (Civil Construction - South), Thiruvananthapuram
- The Deputy Chief Engineer (IT)
- The RAO/The RAO
- The TA to Chairman&MD/Director (G&HRM)/ Director (D&S)/ Director (T&S.O)
- Director (CP&SCM)
- The PA to Director (Finance) / Secretary (Admn)
- The Legal Liaison Officer, KSE Board Ltd., Kochi
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Forwarded/By Order


Assistant Executive Engineer

Hemalatha
03/10/2015