

പതിനാറാം കേരളനിയമസഭ

രണ്ടാം സമ്മേളനം

നക്ഷത്രചിഹ്നമിടാത്ത ചോദ്യം നമ്പർ: 68

12-10-2026-ൽ മറുപടിക്ക്

നാട്ടിക നിയോജക മണ്ഡലത്തിലെ കിഫ്ബി പദ്ധതികൾ

ചോദ്യം ഉന്നയിച്ച അംഗങ്ങൾ

ശ്രീമതി ഗീതാ ഗോപി

മറുപടി നൽകിയ മന്ത്രി

ശ്രീ. വി. ഡി. സതീശൻ

(മുഖ്യമന്ത്രി)

(എ) നാട്ടിക നിയോജക മണ്ഡലത്തിൽ കിഫ്ബി മുഖാന്തരം നടപ്പിലാക്കുന്ന പദ്ധതികൾ ഏതെല്ലാം എന്ന് വ്യക്തമാക്കുമോ; വിശദവിവരം നൽകുമോ;

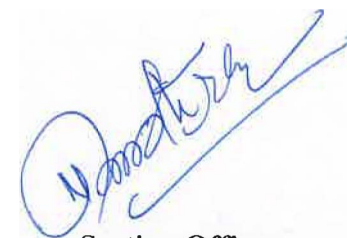
മുഖ്യമന്ത്രി: നാട്ടിക നിയോജക മണ്ഡലത്തിൽ കിഫ്ബി മുഖേന നടപ്പിലാക്കുന്നതിന് ധനാനുമതി നൽകിയ പദ്ധതികൾ ഏതെല്ലാമെന്നും ഓരോ പ്രവൃത്തിക്കും അനുവദിച്ച തുക, അവയുടെ നിലവിലെ സ്ഥിതിയും അനുബന്ധം 1 ആയി ചേർക്കുന്നു. ഇത് സംബന്ധിച്ച സാമ്പത്തിക അനുമതി ഉത്തരവുകളുടെ പകർപ്പുകളും അനുബന്ധമായി ചേർക്കുന്നു

(ബി) ഓരോ പ്രവൃത്തിക്കും അനുവദിച്ച തുക, അവയുടെ നിലവിലെ സ്ഥിതി എന്നിവ വ്യക്തമാക്കുമോ; ഇതു സംബന്ധിച്ച ഉത്തരവുകളുടെ പകർപ്പ് ലഭ്യമാക്കാമോ?

മുഖ്യമന്ത്രി: മുൻ ഖണ്ഡികയിലെ ഉത്തരം

സെക്ഷൻ ഓഫീസർ

Annexure								
Sl. No	Department	Project Code	Sub Project Name	Project Outlay (Rs. In Crore)	SPV Name	LAC	District	Work Status
1	General Education	GED003-05	Betterment of Infrastructure facilities in 446 schools- 1 Cr category-KILA Thrissur - Cluster 10 GHSS Peringottukara	₹ 1.01	KILA	Nattika	Thrissur	Work Completed
2	General Education	GED003-05	Betterment of Infrastructure facilities in 446 schools- 1 Cr category-KILA Thrissur - Cluster 10 GNHSS Kizhuppillikara	₹ 1.29	KILA	Nattika	Thrissur	Work in progress
3	General Education	GED003-23	Betterment of Infrastructure facilities in 446 schools- 1 Cr category-KILA Idukki, Kottayam, Palakkad, Thiruvananthapuram, Thrissur Cluster - 23 Govt. VHSS Thalikkulam	₹ 0.95	KILA	Nattika	Thrissur	Work in progress
4	General Education	GED005-18	PPE Mission- Upgradation of one school in each constituency - Thrissur District-Phase 2 Cherpu,Govt. Higher Secondary School	₹ 5.00	KITE	Nattika	Thrissur	Work Completed
5	General Education	GED006-13	Betterment of Infrastructure facilities in 166 schools Thrissur Wayanad Cluster Govt.V.H.S.S Valapad	₹ 3.89	KILA	Nattika	Thrissur	Work in progress
6	General Education	GED008-13	Betterment of infrastructure facilities in 229 schools Thrissur & Palakkad District Cluster - Phase 2 Govt. Fisheries High School, Nattika	₹ 3.00	KITE	Nattika	Thrissur	Work Completed
7	PWD	PWD001-39	CONSTRUCTION OF THRIPRAYAR BRIDGE ACROSS CANOLI CANAL IN CHERPPU - THRIPRAYAR ROAD, NATTIKA LAC ,THRISSUR DISTRICT	₹ 29.48	KRFB	Nattika	Thrissur	Work Awarded
8	PWD	PWD014-35	Coastal Highways Land Acquisition of Coastal Highway Reach 1 - Azhikode Bridge to Valappad in Thrissur district (32 km)- LA Only	₹ 182.82	KRFB	Nattika	Thrissur	LA in progress
9	Health & Family Welfare	HFW006-01	Construction of 10 bedded isolation wards in 140 LAC CHC Triprayar	₹ 1.65	KMSCL	Nattika	Thrissur	Work in progress
10	Registration	RGD007-03	Construction of 52 office buildings for Registration Department CLUSTER IV - Construction of Sub Registrar office at Thiriprayar (Nattika)	₹ 1.19	KSCC	Nattika	THRISSUR	Work Completed
11	Water Resources	WRD002-10	WSS to Thrissur Corporation and adjoining panchayaths Phase -1	₹ 212.09	KWA	Nattika	Thrissur	Work in progress
12	Water Resources	WRD005-127	Replacement of Transmission Mains in Thrissur Circle	₹ 52.79	KWA	Nattika	Thrissur	Work in progress
13	Water Resources	WRD025-02	KIIFB 2017-18 Water Supply schemes WSS to Chazhoor, Thanniyam and AnthikkadPanchayaths in Thrissur District	₹ 34.76	KWA	NATTIKA	THRISSUR	Work in progress
14	Water Resources	WRD025-04	KIIFB 2017-18 Water Supply schemes Augmentation of CWSS to Nattika Firka Phase I	₹ 104.00	KWA	Nattika	THRISSUR	work in progress



Section Officer

PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER
KERALA INFRASTRUCTURE INVESTMENT FUND BOARD,
THIRUVANANTHAPURAM

Present : Dr. K.M. Abraham CFA

ORDER NO : GED003-05/APR-2/2025/KIIFB Dated:24-03-2025

Sub: KIIFB-Project: GED003-05: "Betterment of Infrastructure Facilities in 446 Schools- Cluster10-Thrissur" (Rs.1 Crore Category) Revised Sanction of funding- Orders Issued.

Read: 1. Order No. GED003-05/APR-1/2020/KIIFB Dated 27.10.2020

2. Order No. GED003-05/APR-1/2020/KIIFB Dated 27.12.2023

Vide reference cited 1st, Financial Sanction for an amount of Rs. 10,89,19,474/- was sanctioned for the sub project "GED003-05: Betterment of Infrastructure Facilities in 446 Schools- Cluster 10-Thrissur (Rs.1 Crore Category)" for 11 Schools.

Later SPV submitted a revision proposal to enhance the FS amount due to change in DSR and GST change and vide orders read 2nd, the Financial Sanction was then enhanced to Rs. 12,17,46,937/-.

Now SPV-KILA submitted a second revision proposal due to insufficient amount in the sub project considering the revised TS amounts and tender excess for the included schools.

After examining the proposal for the sub project "GED003-05: Betterment of Infrastructure Facilities in 446 Schools- Cluster 10-Thrissur (Rs.1 Crore Category)", sanction is accorded for enhancing the Sub project amount from Rs.12,17,46,937/- to Rs. 12,65,68,930/- and the details of which are noted below.

Sl No	Name of School	Revised FS	Remarks
1	GNHSS Kizhuppillikara	1,29,99,960	
2	MARMGVHSS Santhipuram	90,67,520	
3	Govt HSS Chavakkad	1,03,72,931	
4	GUPS Perinjanam	1,41,65,880	KIIFB funding will be limited to Rs 1.30 Cr
5	GHSS Peringottukara	1,01,46,512	
6	GHSS Kattilapoovam	1,04,75,475	
7	Govt HS Kadikkad	1,29,42,268	

8	Govt Mappila HSS Chamakala	1,06,85,724	
9	GHSS Manalur	1,29,54,830	
10	Govt Fisheries VHSS Kaipamangalam	97,58,400	
11	APHS Alagappanagar	1,29,99,430	
	Total	12,65,68,930	

Hence the sub project amount is revised from Rs.12,17,46,937/- to **Rs. 12,65,68,930/- (Rupees Twelve Crore Sixty-Five Lakh Sixty-Eight Thousand Nine Hundred and Thirty Only)** subject to the following conditions:

1. While acting on the instant orders, SPV shall comply with the conditions mentioned in the orders above.
2. KIIFB funding for each school is limited to Rs 1 Cr/ Rs 1.30 Cr as the case may be.

Encl: Revision Report

Dr. K. M. Abraham CFA

To

Chief Executive Officer

The Principal Secretary to Government, General Education Department.

Chief Manager(Technical), KILA Regional Office, Kumarapuram

The Additional Chief Secretary (Finance).

F&A Division KIIFB,

Inspection Authority (AIW & TIW) KIIFB.

Stock File /Office Copy/Nodal Officer (www.kiifb.kerala.gov.in).

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ASST. PROJECT MANAGER

PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER
KERALA INFRASTRUCTURE INVESTMENT FUND BOARD,
THIRUVANANTHAPURAM

Present : Dr. K.M Abraham, CFA

ORDER NO : GED003-23/APR-2/2023/KIIFB Dated:09-05-2023

Sub: KIIFB-Project- "GED003-23: Betterment of Infrastructure Facilities in 446 Schools- Cluster 23-Idukki, Kottayam, Palakkad, Thiruvanthapuram and Thrissur Districts (Rs. 1 Crore Category)"- Revised Sanction of funding-Orders is issued

Read: 1.G.O.(Rt) No.3302/2019/GEEdn Dated 17.08.2019
2.Order No. GED003-23/APR-1/2020/KIIFB Dated 01.12.2020
3.G.O. (Rt) No. 3588/2022/Fin Dated 12.05.2022

Vide Government Order read 1st above, KILA was entrusted as the Special Purpose Vehicle (SPV) for the execution of the project "GED003-23: Betterment of Infrastructure facilities in 446 Schools- Cluster 23- Idukki, Kottayam, Palakkad, Thiruvanthapuram and Thrissur Districts (Rs.1 Crore Category) ". KIIFB had examined the Detailed Project Reports of 15 Schools submitted by KILA and approved funding for an amount of Rs 14,41,67,873/- as per proceedings read 2nd above. Meanwhile Government has enhanced the Ceiling limit of the Financial Sanction for the 1 Crore Category Schools from Rs.1 Crore to 1.30 Crore vide Government Order cited ^{3rd} 4th, based on the requests from SPVs on account of the DSR revision and GST change.

Accordingly SPV has revised the estimate and submitted sub project revision proposal.

KIIFB has examined the proposal in details and revised funding is approved for the sub project "GED003-23: Betterment of Infrastructure facilities in 446 Schools- Cluster 23- Idukki, Kottayam, Palakkad, Thiruvanthapuram and Thrissur Districts (Rs.1 Crore Category) " to be implemented by KILA and details of which are noted below:

SI NO	Name of the School	Revised FS
1	Govt HSS Poovathur	1,30,00,000
2	Govt HS Karipoor	1,29,69,820
3	Govt HSS Azhoor	97,05,980.12
4	Govt HSS Thazhathuvadakara	1,28,71,090
5	Govt VHSS Kanakkary	1,29,67,570
6	Panchayath HSS Elappara	1,30,00,000
7	GHS Pazhayarikkandam	93,59,289.61
8	GTHSS Kattappana	1,07,49,932.88
9	Govt VHSS Thalikkulam	1,30,00,000
10	GHSS Anchery	1,02,87,665.44

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11	GVHSS Ayyanthole	1,30,00,000
12	GHS Pattancherry	1,29,30,510
13	GUPS Mannarkkad	1,29,19,790
14	Govt Girls HSS Vaikom	1,27,77,751.16
15	Govt HSS Kulasekharamangalam	1,26,32,120
	Total	18,21,71,520

Hence the sub project is revised to 18,21,71,520/- from 14,41,67,873/- for 15 schools subject to the following stipulations.

1. The total amount approved for the 15 schools will amount to **18,21,71,520/- (Eighteen Crore Twenty One Lakh Seventy One Thousand Five Hundred and Twenty Only)**.
2. While acting on the instant orders, SPV shall comply with the conditions mentioned in the Orders above.

Encl: Revision Report

Dr. K. M. Abraham CFA

To

Chief Executive Officer

The Principal Secretary to Government, General Education Department
 Chief Manager (Technical) ,KILA Regional Office, Kumarapuram
 The Additional Chief Secretary (Finance)
 F&A Division KIIFB
 Inspection Authority (AIW & TIW) KIIFB
 Stock File /Office File /Nodal Officer (www.kiifb.kerala.gov.in)

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[Signature]
 12/11/2023
 ASST. PROJECT MANAGER

[Signature]

REVISION REPORT

GED003-23- REVISION-01: Idukki, Kottayam, Palakkad, Thiruvananthapuram, Thrissur Cluster - 23

- SPV has initiated Subproject Revision for an excess from Rs. 14,41,67,873/- to Rs. 18,21,71,520/-.
- The Subproject has 15 schools, and the cost comparison and present status of each school are tabulated below:

Package Code	Package Name	FS Amount	Package Amount (TS Amount/Contract Amount)	New TS Amount/ Deviation Amount/ Present Package Amount	% Excess	Remarks/ Status
GED003-23-05	Govt. HSS Poovathur	99,77,767.78	98,78,862.02	1,30,00,000.00	30	Closure Agreement executed; TS/Package amount changed to Rs.1. SPV to initiate file for new TS.
GED003-23-15	Govt. HS Karipoor	99,81,261.30	98,18,384.29	1,29,69,820.00	30	TS scrutiny under process
GED003-23-12	Govt. HS S Azhoor	99,99,832.01	98,14,924.80	97,05,980.12		in progress
GED003-23-10	Govt. HSS Thazhathuvadakkara	96,17,962.16	93,42,872.23	1,28,71,090	34	TS concurrence completed; PED stage ongoing
GED003-23-01	Govt. VHSS Kanakkary	99,44,986.03	97,62,022.17	1,29,67,570.00	30	TS scrutiny under process

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GED003 -23-13	Panchayath HSS Elappara	97,45,949.00	97,40,324.38	1,30,00,000	33	Termination proceeding will be taken based on EEs' remarks; SPV will have to request for a package closure
GED003 -23-04	GHS Pazhayarikkanda m	86,61,959.04	86,61,360.98	93,59,289.61		in progress, RE approved
GED003 -23-08	GTHSS Kattappana	97,75,056.83	97,74,908.26	1,07,49,932.88		in progress
GED003 -23-07	Govt. VHSS Thalikkulam	95,94,127.96	95,94,091.06	1,30,00,000	35	Closure proceedings ongoing; SPV will have to request for a package closure
GED003 -23-09	GHSS Anchery	98,25,648.00	98,23,063.02	1,02,87,665.44		work completed; final bill pending
GED003 -23-11	Gvhss Ayyanthole	77,95,115.11	97,40,324.30	1,30,00,000.00	33	Closure proceedings ongoing; SPV will have to request for a package closure
GED003 -23-14	GHS Pattancherry	98,79,519.00	98,78,174.00	1,29,30,510.00	31	TS concurrence completed; PED stage not started
GED003 -23-03	GUPS Mannarkkad	99,76,731.00	99,74,491.24	1,29,19,790.00	29	Closure Agreement executed; TS/Package amount changed to Rs.1. SPV to initiate file for new TS.
	Govt. Girls HSS Vaikom	97,02,428.00	97,02,428.00	1,27,77,751.16	32	No provision for TS/Package

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12/05/2023

	Govt. HSS Kulasekharaman galam	96,89,529.52	96,89,529.52	1,26,32,120.00	30	No provision for TS/Package
TOTAL		14,41,67,873		18,21,71,520	26	

Recommendation

- Sub project Revision for the project "Idukki, Kottayam, Palakkad, Thiruvananthapuram, Thrissur Cluster - 23" from Rs. 14,41,67,873/- to Rs. 18,21,71,520/- (viz. an excess of 26%) is recommended.

5/5  12/05/2023

PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER
KERALA INFRASTRUCTURE INVESTMENT FUND BOARD,

THIRUVANANTHAPURAM

Present : Dr. K.M Abraham, CFA

ORDER NO : GED006-13/APR-2/2023/KIIFB Dated:11-09-2023

Sub: KIIFB -Project-"GED006-13: Betterment of Infrastructure facilities in 166 Schools- Thrissur,Wayanad Cluster (Rs. 3 Crore Category) "- Revised Sanction of funding-Orders Issued

Read: 1. Order No.GED006-13/APR-1/2021/KIIFB Dated 01.03.2021
2. G.O.(Rt) No.783/2021/GEdn Dated 28.01.2021
3. G.O. (Rt) No. 3588/2022/Fin Dated 12.05.2022
4. G.O. (Rt) No. 2960/2022/GEdn dated 13.05.2022

Earlier, SPV M/s INKEL Ltd had submitted the DPR for 6 Schools clustered under the sub project "GED006-13: Betterment of Infrastructure Facilities in 166 schools- Thrissur,Wayanad Cluster(Rs. 3 Crore Category)". The Detailed Project Reports of the 6 Schools were examined in KIIFB and Financial Sanction was issued for an amount of 17,73,03,166/- as per proceedings read 1st above.

Later the SPV was changed to M/s KILA by the Administrative Department vide orders cited 2nd above. Meanwhile Financial Sanction has been enhanced to 3.90 Crore for the 3 Crore category schools vide reference cited 3rd, on account of the DSR 2018 revision and GST enhancement from 12% to 18% and Revised Administrative Sanction was issued vide reference cited 4th above.

Accordingly, the new SPV M/s KILA revised the estimate and submitted the sub project revision proposal.

KIIFB examined the proposal and revised funding is approved for the sub project "GED006-13: Betterment of Infrastructure Facilities in 166 schools- Thrissur,Wayanad Cluster (Rs. 3 Crore Category)" to be implemented by KILA and details of which are noted below.

SI NO	Name of the School	Approved FS (in Rs.)	Revised FS (in Rs.)
1	GVHSS Valapa	2,98,95,936.00	3,89,98,250
2	GMHSS Cheeral	2,98,81,723.00	3,88,50,504
3	GHSS Valat	2,99,65,076.00	3,88,84,870
4	GHSS Thalappuzha	2,78,83,105.00	3,89,93,410
5	GHSS Pattikkad	2,99,67,099.00	3,89,98,600
6	GHSS Mupliyam	2,97,10,227.00	3,87,60,814
	Total	17,73,03,166.00	23,34,86,448



Hence the Sub project is revised from 17,73,03,166/- to 23,34,86,448/- for 6 schools subject to the following stipulations.

1. The total amount approved for the 6 schools will amount to **23,34,86,448/- (Twenty three Crore Thirty Four Lakh Eighty Six Thousand Four Hundred and Forty Eight Only)**.
2. While acting on the instant orders, SPV shall comply with the conditions mentioned in the orders above.

Encl: Revision Report

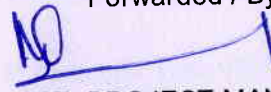
Dr. K. M. Abraham CFA

Chief Executive Officer

To

The Principal Secretary to Government, General Education Department.
Chief Manager (Technical) ,KILA Regional Office ,Kumarapuram
The Additional Chief Secretary (Finance).
F&A Division KIIFB,
Inspection Authority (AIW & TIW) KIIFB
Stock File /Office Copy /Nodal Officer (www.kiifb.kerala.gov.in).

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ASST. PROJECT MANAGER



PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER
KERALA INFRASTRUCTURE INVESTMENT FUND BOARD,
THIRUVANANTHAPURAM
Present:Dr. K. M. Abraham CFA

ORDER NO : HFW006-01/APR-3/2021/KIIFB Dated:03-09-2021

Sub: KIIFB Project: TRAN-20: HFW00601: Construction of 10 bedded isolation wards in 140 LAC– Approval and Sanction of funding – Orders Issued.

Read: 1. G.O.(Rt)No.1555/2021/H&FWD Dated 26.07.2021
2. G.O.(Rt)No.1648/2021/H&FWD Dated 02.08.2021
3. Minutes of the 42nd Board meeting of KIIFB held on 7.8.2021

Government, through the revised Budget Speech for 2021-22, had earmarked Rs 636.5 Crore for setting up of ten-bed isolation wards for contagious diseases in all CHC, Taluk, District and General Hospitals. Thereafter, Administrative Sanction for the project "**Construction of isolation wards in hospitals under the Directorate of Health Services in 140 Assembly constituencies of the State**" has been accorded for Rs.250.69 Crore, entrusting the execution of the work to M/s KMSCL [Special Purpose Vehicle] with the assistance of KIIFB, vide Government Orders read 1st and 2nd above.

Isolation units for Covid-19 patients have become the need of the hour with the current rising number of Covid-19 patients in Kerala. A prefab isolation unit can be built in a few days. Therefore, the SPV has submitted a proposal for the construction of prefab structures for isolation units across 140 LA constituencies in Kerala.

The 42nd Board meeting of KIIFB that met on 7th August 2021, after considering the proposal, granted approval for funding the project: "**TRAN-20: HFW006-01: "Construction of isolation wards in hospitals under the Directorate of Health Services in 140 Assembly constituencies of the State"**", to be implemented by M/s KMSCL [SPV] for a total outlay of **Rs.236.3 Crore (Rupees Two Thirty Six Crore and Thirty Lakh Only)**, subject to the following stipulations:

1. The SPV shall enter into a Tripartite agreement as per KIIFB stipulations prior to issuance of Technical Sanction.
2. The financing for the project shall be done as specified in G.O. (Rt.) No1555/2021/H&FWD

Dt. 26/07/2021 and SPV should strictly adhere to the conditions mentioned in the Government Order. Separate orders will be issued for pooling of KIIFB funds and MLA Asset Development Fund with the concurrence of the Finance Department.

3. The SPV should submit designs, drawings, and detailed estimates with the recommendation of the TS Committee constituted vide condition No.5 in G. O. (Rt.) No1555/2021/H&FWD Dt. 26/07/2021 before tendering the work and execution of the tripartite agreement.
4. SPV should submit DPR and RFP draft prepared by KIIFB-TRC to the technical committee appointed by Government for approval with support and input from the design review team in KIIFB.
5. The detailed estimate submitted in the DPR shall be reviewed by the TS authority considering the applicability, the relevance of Cost Index and adherence of latest PRICE schedule.
6. The Technical Sanction by the Committee vide condition No.5 G. O. (Rt.) No1555/2021/H&FWD Dt. 26/07/2021 is mandatory before schedules are added to the Tripartite agreement.
7. Since the project is proposed to be implemented as 'Design Build and Transfer' mode with 5-year performance guarantee period, SPV should follow EPC guidelines of KIIFB (APR-5/2032/2019/KIIFB Dated 23.09.2019) with suitable project specific modifications.
8. As decided by Government, the execution agency will be selected through a limited tender process carried out among the accredited agencies with experience in similar works and capable to carry out direct execution in a shortest possible time. A list of such agencies will be prepared and submitted to KMSCL by TRC-KIIFB.
9. A pre-bid discussion shall be arranged by KMSCL with participation of representatives from technical committee and TRC. The eligible agencies will be invited to participate in the same.
10. The tendering shall be conducted by sending the RFP to the select agencies and the same will be published in KMSCL website. 7 working days will be given to the participants to submit the offer.
11. The offer with detailed technical proposal shall be scrutinized by TRC and KMSCL and it will be submitted to Government with necessary recommendation from the technical committee for approval by Government.
12. Government shall decide to accept the lowest price bid among the technically acceptable proposal. The agency other the L1 also may be considered if they are willing to do the work at the same rate quoted by the L1 agency.
13. The selected agency/agencies will submit the PED with all technical details within 2 weeks and same shall be accepted by KMSCL with the support of TRC. The agreement will be

executed along with PED.

14. A team deployed by KIIFB- TRC will support KMSCL in all project supervision and contract management activities. The Co-Ordinator from TIW will be responsible for all technical and process co-ordination between KIIFB divisions, TRC and KMSCL.
15. The cost provisions for work alone shall be utilized for execution of work. The savings or anticipated savings from QC, demolition etc. shall not be re appropriated for meeting expenditure of work proper.
16. While entrusting the maintenance activities to the contractor, it shall be ensured that the obligation under defect liability shall be performed without any additional cost. Hence no maintenance expenditure is considered under the original work.
17. TS Committee shall ensure that all Project Execution Document (as per KIIFB guidelines) shall be prepared and verified prior to according the Technical Sanction.
18. The SPV shall ensure that all statutory clearances are obtained before tendering the work.
19. The Detailed Appraisal Report of KIIFB for the project is appended for reference and it shall be taken into consideration by the TS Committee while according to the Technical Sanction to the Project.

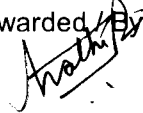
Dr. K. M. Abraham CFA

To

Chief Executive Officer

The Principal Secretary to Government, Health & Family Welfare Department
The Managing Director, KMSCL
The Additional Chief Secretary (Finance)
The F&A Division, KIIFB
The Inspection Authority (AIW), The Inspection Authority (TIW), KIIFB
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Project Coordinator

PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER
KERALA INFRASTRUCTURE INVESTMENT FUND BOARD,
THIRUVANANTHAPURAM

Present : Dr. K M Abraham CFA

ORDER NO : WRD005-127/APR-6/2023/KIIFB Dated:24-04-2023

Sub: KIIFB Project: TRAN-10 : WRD005-127 - Replacement of Transmission Mains in TRISSUR PH CIRCLE – Revised Funding Sanction - Orders Issued.

Read: 1. G.O.(Rt) No. 1/2018/WRD Dated 01.01.2018
2. KIIFB Order No. APR-4/401/2018/KIIFB Dated 09.04.2018
3. Minutes of the 22nd Executive Committee meeting of KIIFB held on 25.02.2023

As per the Administrative Sanction issued for the project vide Government Order read 1st above, the Detailed Project Report for "WRD005-127 - Replacement of Transmission Mains in TRISSUR PH CIRCLE" submitted by the SPV (Kerala Water Authority) was approved for funding by KIIFB for a total outlay of Rs.35.13 Crore, vide Order read 2nd above.

Later, the SPV-KWA submitted a revision proposal due to Change in Scope, Revision in GST, Change in DSoR to 2018, Change in Location, etc., duly approved and recommended by the TS authority of KWA.

After having examined the proposal in detail, the Revision Report was placed in the 22nd Executive Committee meeting of KIIFB that met on 25th February 2023, for its consideration and approval. The Executive Committee approved the proposal vide reference read 3rd above. Hence, sanction is accorded for revising the funding for the project '**WRD005-127 - Replacement of Transmission Mains in TRISSUR PH CIRCLE**', enhancing the total approved outlay from Rs. 35,13,07,000/- to **Rs. 52,78,92,000/- (Rupees Fifty Two Crore Seventy Eight Lakh Ninety Two Thousand only)**, subject to the same conditions as mentioned in the Order read 2nd above. The order issued vide paper 2 read above stands modified to the extent above.

Dr. K. M. Abraham CFA

To

Chief Executive Officer

The Principal Secretary to Government, Water Resources Department The
Managing Director, Kerala Water Authority [KWA], Thiruvananthapuram The
Additional Chief Secretary (Finance)
F&A Division, KIIFB
Inspection Authority (AIW/TIW), KIIFB
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ASST. PROJECT MANAGER

PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER
KERALA INFRASTRUCTURE INVESTMENT FUND BOARD,
THIRUVANANTHAPURAM

ORDER NO : RGD007-03-PA-01 Dated 03.07.2018

Sub:-KIIFB – Project Tranche 8- RGD007-03 : Construction of Building for Sub Registrar Offices at Thrissur, Malappuram and Palakkad Districts Cluster-IV - Approval and Sanction of funding – Orders Issued

Read:-1. G.O(Rt.) No. 753/2017/TD dated 14-09-2017.

2. G.O(Rt.) No. 995/2017/TD dated 05-12-2017.

3. Minutes of the 7th Executive Committee Meeting of KIIFB held on 25-04-2018.

In the Revised Budget Speech 2016-17, Government had announced '**Construction of new office buildings for Registration Department**' as a project under KIIFB funding. Administrative Sanction has been accorded, entrusting Kerala State Construction Corporation Limited (KSCC) as Special Purpose Vehicle for execution of the project, vide Government Orders read above.

Accordingly, the Detailed Project Reports (Construction of Building for Sub Registrar Offices at Thrissur, Malappuram and Palakkad Districts) subsequently submitted by the Kerala State Construction Corporation Limited (KSCC) were verified and appraised for adherence to KIIFB stipulations and appraised for compliance, as per G.O(Ms) No.69/2018/Fin dated 24-02-2018. On appraisal, the projects were found satisfactory in terms of all technical and financial parameters insisted upon by KIIFB.

After considering the proposal and the appraisal report, 7th Executive Committee held on 25-04-2018 approved the project. Thus, sanction is accorded for funding the project **Tranche 8-RGD007-03: Construction of Building for Sub Registrar Offices at Thrissur, Malappuram and Palakkad Districts cluster-IV**, approved vide Government Order read (2) above, to be implemented by the Kerala State Construction Corporation Limited (Special Purpose Vehicle); limiting the total outlay to **Rs. 17.39 Crore (Rupees Seventeen Crore and Thirty Nine Lakh only)** against the revised proposed amount of Rs.18.15 Crore, as noted below and also with the stipulations there under.

- A. New building for Sub Registrar Office Akkikavu in Thrissur district - **Rs. 0.989 Crore**
- B. New building for Sub Registrar Office Andathodu in Thrissur district - **Rs. 1.326 Crore**
- C. New building for Sub Registrar Office Kallettumkara in Thrissur district - **Rs. 1.316 Crore**
- D. New building for Sub Registrar Office Kunnamkulam in Thrissur district - **Rs. 0.989 Crore**
- E. New building for Sub Registrar Office Pazhayannur in Thrissur district - **Rs. 0.703 Crore**
- F. New building for Sub Registrar Office Thriprayar in Thrissur district – **Rs. 1.188 Crore**
- G. New building for Sub Registrar Office Malappuram in Malappuram district – **Rs. 1.287 Crore**
- H. New building for Sub Registrar Office Parappanagadi in Malappuram district – **Rs. 1.376 Crore**
- I. New building for Sub Registrar Office Kuzhalmandam in Palakkad district – **Rs. 0.593 Crore**

- J. New building for Sub Registrar Office Thrithala in Palakkad district – **Rs. 0.970 Crore**
K. New building for Sub Registrar Office Ottappalam in Palakkad district – **Rs. 1.102 Crore**
L. New building for Sub Registrar Office Cherpulasserry in Palakkad district – **Rs. 1.100 Crore**
M. New building for Sub Registrar Office Mundoor in Thrissur district – **Rs. 1.296 Crore**
N. New building for Sub Registrar Office Kuttippuram in Malappuram district – **Rs. 1.285 Crore**
O. New building for Sub Registrar Office Thanoor in Malappuram district – **Rs. 0.992 Crore**
P. New building for Sub Registrar Office Kalpakancherry in Malappuram district – **Rs. 0.881 Crore**

1. The tripartite agreement, as per KIIFB stipulations shall be entered into, after which Technical Sanction shall be mandatorily issued by the TS authority. The Technical sanction by competent authority is mandatory before the schedules are added to the Tripartite agreement.
2. The observations made with respect to the Engineering design and Financial Estimates of the Detailed Appraisal Report of KIIFB shall be taken into consideration before TS is accorded and the documentary evidence of the action initiated shall be submitted to KIIFB.
3. The detailed estimate submitted shall be reviewed by the TS authority considering the relevance of Cost Index and adherence of latest PRICE schedule (GST shall be applicable as per the prevailing norms and conditions). The Technical Sanction shall be issued by the competent authority by ensuring the reasonableness of the rates adopted in the estimate by comparing with the rates of equivalent items in the PRICE. The detailed estimate shall also be checked against the designs and drawings developed. Documentary evidences of these actions shall be communicated to KIIFB prior to acceptance of the tenders
4. The cost provisions for work alone shall be utilized for execution of work. The savings or anticipated savings from LA, QC, demolition etc. shall not be re appropriated for meeting expenditure of work proper.
5. While entrusting the maintenance activities to the contractor, it shall be ensured that the obligation under defect liability shall be performed without any additional cost. Hence no maintenance expenditure shall be considered under original work.
6. A Detailed Appraisal Report of KIIFB is appended for reference and which shall be taken into consideration by the TS Committee while according Technical Sanction to the Project.

Dr. K. M. Abraham CFA
Chief Executive Officer

To

The Secretary to Government, Taxes Department
The Managing Director, Kerala State Construction Corporation Limited (KSCC),
Ernakulam
The Principal Secretary (Finance)
F&A Division, KIIFB
Inspection Authority, KIIFB

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PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER

KERALA INFRASTRUCTURE INVESTMENT FUND BOARD,

THIRUVANANTHAPURAM

Present : Dr.K.M.Abraham CFA

ORDER NO : WRD002-10/APR-5/2023/KIIFB Dated:23-11-2023

Sub: KIIFB Project–Tranche 24-WRD002-10–WSS to Thrissur Corporation and adjoining Panchayaths- Revised sanction of funding–Orders Issued.

Read: 1) GO(Rt)No:841/2016/WRD dated 27-10-2016

2) KIIFB Order No:31/KIIFB/2016 dated 08-05-2017

3) Minutes of the 46th General Body of KIIFB held on 02-09-2023

As per the Government order read (1) above, Administrative sanction was accorded for the project **“WSS to Thrissur Corporation and adjoining Panchayaths”** under KIIFB funding, entrusting the execution of the work to the M/s Kerala Water Authority. The Detailed Project Report for **“WSS to Thrissur Corporation and adjoining Panchayaths”** submitted by the SPV [M/s Kerala Water Authority (KWA)] was approved for funding for a total outlay of **Rs.185,00,00,000/-** vide order 2nd read above(SI No:34).

Later, the SPV submitted a revision proposal for enhancing the total project cost from **Rs.185,00,00,000/-** to **Rs.212,09,20,600/-** due to modification of the project to suit the site change, revision of estimate based on DSR-2018, increased rate of GST etc. The revised proposal submitted by SPV has been scrutinized and found satisfactory.

Thus, the 46th General Body of KIIFB that met on 02-09-2023 vide read 3 above, after considering the revised proposal and appraisal report, approved the project. Accordingly, sanction is accorded for revising the funding by enhancing the total approved outlay from **Rs.185,00,00,000/-** to **Rs.212,09,20,600/-** with the following stipulations:

1. The tripartite agreement, as per KIIFB stipulations shall be entered into, after which Technical sanction shall be mandatorily issued by the TS authority. The Technical sanction by competent authority is mandatory before the schedules are added to the Tripartite agreement and also before initiating tender procedures.
2. The Technical Sanction shall be issued by the competent authority by ensuring the reasonableness of the rates adopted in the estimate by comparing with the rates of equivalent items in PRICE. The detailed estimate shall also be checked against the designs, drawings and network diagrams developed for each project. Documentary evidence of these actions shall be communicated to KIIFB prior to acceptance of tenders.
3. The detailed estimate submitted shall be reviewed by the TS authority considering the applicability and the relevance of Cost Index and adherence to the latest PRICE schedule. (GST shall be applicable as per the prevailing norms and conditions.)
4. Any LS provisions in the estimate shall be replaced with detailed estimate while issuing TS.

5. TS Committee/TS authority shall ensure that all Project Execution Documents (as per KIIFB guidelines) shall be prepared and verified prior to according the Technical Sanction.
6. The cost provisions for work alone shall be utilized for execution of work. The savings or anticipated savings from LA, QC, demolition etc. shall not be re appropriated for meeting expenditure of work proper.
7. The comments under clauses 16, 17 &18 in the DAR shall be complied by the SPV before issuing Technical Sanction and the compliance report detailing the action taken by TS Committee/TS authority for observations shall be submitted to KIIFB before tendering
8. Source reliability shall be ensured by the concerned authority before issuing the Technical Sanction.
9. The guidelines issued in G.O (Ms) No.444/2018/Fin dated 26.11.2018 shall be followed.
10. In the wake of the recent severe flood, which engulfed most part of the state, the design parameters and calculations considered in the estimate, shall be reviewed prior to TS.
11. The SPV shall ensure that all statutory clearance are obtained before award of contract.
12. While entrusting the maintenance activities to the contractor, it shall be ensured that the obligation under defect liability shall be performed without any additional cost. Hence no maintenance expenditure is considered under the original work.
13. A Detailed Appraisal Report of KIIFB is appended for reference and it shall be taken into consideration by the TS authority while according Technical Sanction to the Project.

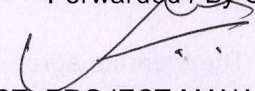
Dr. K. M. Abraham CFA

Chief Executive Officer

To

The Secretary to Government, Water Resources Department
The Managing Director, M/s KWA
The Principal Secretary (Finance)
F&A Division, KIIFB
Inspection Authority (AIW/TIW), KIIFB
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ASST. PROJECT MANAGER

PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER
KERALA INFRASTRUCTURE INVESTMENT FUND BOARD

THIRUVANANTHAPURAM

Present: Dr. K. M. Abraham CFA

ORDER NO: WRD025-04/APR-5/2026/KIIFB Dated: 05/02/2026

Sub: KIIFB - WRD025-04 : Augmentation of CWSS to Nattika Firka (Phase-I) in Thrissur District Revised Sanction of funding –Orders Issued.

Read:1.G.O(Rt.) No. 966/2017/WRD dated 29-11-2017.

2.ORDER NO : WRD025-04/APR-6/2018/KIIFB Dated 19-11-2018

3.ORDER NO : WRD025-04/APR-6/2023/KIIFB Dated 19-06-2023

As per the Administrative sanction issued for the project vide Government Order 1st read above, the Detailed Project Report for "Augmentation of CWSS to Nattika Firka (Phase-I) in Thrissur District" submitted by the SPV-Kerala Water Authority (KWA) was approved for a total outlay of Rs. 69.96 Crores vide Order read 2 above.

Subsequently M/s KWA submitted a revised proposal to enhance the total project cost from Rs. 69,95,95,773/- to Rs 88,78,59,170/- due to Change in DSR, GST change from 12% to 18%, change in the depth of intake well, design change, change of gravity main to pumping main, change in route of pumping main etc. After a due scrutiny process, sanction was accorded vide Order read 3 above.

Later, the SPV submitted the second revision proposal to enhance the total project cost from Rs. 88,78,59,170/- to Rs 103,99,58,849/- as recommended by the TS Committee of the SPV. The revision was necessitated mainly due to tender excess in the awarded packages.

Having examined the proposal in detail, sanction is accorded for revising the funding by enhancing the total approved outlay from **Rs. 88,78,59,170/- to Rs 103,99,58,849/- (Rupees One Hundred and Three Crores Ninety-Nine Lakhs Fifty-Eight Thousand Eight Hundred and Forty-Nine Only)**. SPV shall comply with the conditions stipulated in Order 2nd and 3rd above.

The Orders under reference 2nd and 3rd stand modified.

Encl: Revision Report

Dr. K. M. Abraham CFA
Chief Executive Officer

To:

The Additional Chief Secretary to Government, Water Resource Department
The Managing Director, Kerala Water Authority
The Additional Chief Secretary (Finance)
F&A Division, KIIFB
Inspection Authority, KIIFB
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Assistant Project Manager

PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER
KERALA INFRASTRUCTURE INVESTMENT FUND BOARD,
THIRUVANANTHAPURAM

ORDER NO: APR-3/137/2017/KIIFB Dated 12.10.2017

Sub:- KIIFB – Project : Upgrading one school from each L.A. Constituency as a Center of Excellence – 12 Sub-projects (73 schools) as Phase II in 13 districts – Approval and Sanction for funding – Orders Issued

Ref:- 1. G.O(Rt)No. 2088/2017/G.Edn dated 29.06.2017.
2. G.O(Rt)No. 2288/2017/G.Edn dated 11.07.2017.
3. G.O(Rt)No. 2693/2017/G.Edn dated 09.08.2017.
4. G.O(Rt)No. 3292/2017/G.Edn dated 21.09.2017.
5. Minutes of the 3rd Executive Committee Meeting of KIIFB held on 25.08.2017.

Government, through the Budget Speech 2017-18, announced '**Upgrading one school from each L.A. Constituency as a Center of Excellence**', to be taken up as a project funded by KIIFB. Consequently, the General Education Department in Government, vide Government Order read 1st above, designated Kerala Infrastructure and Technology for Education (KITE) as the Special Purpose Vehicle for executing the project.

Accordingly, Detailed Project Reports submitted in respect of the second phase of the Project, comprising 73 schools, clustered into 12 sub-projects were evaluated for adherence to KIIF stipulations, as per GO(Ms) No.315/16/Fin dated 08.08.2016, and were found satisfactory and compliant.

The Appraisal Reports were placed in the 3rd meeting of the KIIFB Executive Committee for its consideration and approval, abiding by the 29th Board Meeting's decision that funding approval up to and including Rs.100 crore in cases of Projects without Revenue streams would be the prerogative of the Executive Committee.

The 3rd Executive Committee that met on the 25th of August, 2017, after considering the proposal, has accorded sanction for funding the proposal in respect of twelve subprojects relating to 73 schools, as sub-projects under the main project - **GED005-00 'Upgrading one school from each constituency as Centre of Excellence'**, to be implemented by the Kerala Infrastructure & Technology for Education (KITE) with a total cost of **Rs. 363.35 crore**, against the original proposed of Rs. 449.478 Crore with the following stipulations :

1. A Tri-partite agreement shall be entered and Technical Sanction by a competent Authority shall be mandatorily issued before signing schedule/s of the Tri-partite agreement.
2. The detailed estimate submitted shall be reviewed by the TS authority considering the relevance of Cost Index and adherence of latest PRICE schedule. The applicability and correctness of items in the Detailed Estimates are fixed as the responsibility of the TS authority. Block wise split-up of estimates shall be produced before the Technical Committee, for consideration.

3. The cost provisions for work alone shall be utilized for execution of work. The savings or anticipated savings from LA, QC, demolition etc. if any, shall not be re appropriated for meeting expenditure of work proper.
4. While entrusting the maintenance activities to the contractor, it shall be ensured that the obligation under defect liability shall be performed without any additional cost. Hence no maintenance expenditure is considered under the original work.

Dr. K.M Abraham , CFA ,IAS
Chief Executive Officer

The Secretary to Government, General Education Department
The Vice-chairman & Executive Director , Kerala Infrastructure & Technology for Education
[KITE], Trivandrum
The Principal Secretary (Finance)
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Inspection Authority, KIIFB
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Assistant Project Manager

Details of funding under Phase-2 of the project : Upgradation of one school from each L.A constituency as a Center of Excellence					
SI No.	Project Code	Name of Sub Project	Schools included in Sub Project Package	Proposed Cost (Rs. In Cr)	Cost Approved for KIIFB Funding (Rs. In Cr)
1	GED005-12	PPE Mission - Upgradation of one school in each constituency - Trivandrum District - Phase 2	Govt. GHSS, Malayinkeezhu	8.55	5
2			Government Model HSS, Venjaramoodu	5.12	4.86
3			Government Model Boys HSS, Attingal	6.11	5
4			Govt. Model Girls HSS, Pattom, Thiruvananthapuram	7.8	5
5			KarthikaThirunal Govt. Vocational & Higher Secondary School For Girls, Manacaud, Thiruvananthapuram	7.9	5
6			Government High School, Kalady	7.3	5
7			GHSS, Marayamuttom	5.93	5
8			Balaramapuram Govt. H.S.S	7.66	5
9			Government Boys HSS Neyyattinkara	6.37	5
10	GED005-13	PPE Mission - Upgradation of one school in each constituency - Kollam District - Phase 2	Government VHSS, Kadakkal	6.47	5
11			Government Vocational Higher Secondary School, Chathanoor	6.6	5
12			Govt. H.S.S Shooranad	5.06	4.88
13			Government HSS Karunagappally	6.04	5
14			Government HSS Vellamanal, Mayyanad	5.7	5
15			Government HSS, Anchalumoodu, Perinad	5.18	5
16			Government Boys VHSS Kottarakkara	6.26	5
17			Government Model HSS, Anchal East	5.04	4.86
18	GED005-15	PPE Mission - Upgradation of one school in each constituency - Kottayam District - Phase 2	Government Boys VHSS, Peruva	6.62	5
19			Ponkunnam Government Vocational Higher Secondary School, Kottayam	7.34	5
20			St. George Govt. VHSS Puthuppally	6.9	5
21	GED005-16	PPE Mission - Upgradation of one school in each constituency - Alappuzha District - Phase 2	Government Girls HSS Mavelikkara	6.04	5
22			Government Boys Higher Secondary School, Kayamkulam	5.25	5
23			Government HSS, Chandiroor	6.03	5
24	GED005-17	PPE Mission - Upgradation of one school in each constituency - Ernakulam District - Phase 2	Edward Memorial Govt. Higher Secondary School, Fort Kochi	7.74	5
25			Government Higher Secondary School - Edappally	5.45	5
26			Chendamangalam Govt. H. S. S. (Paravur LAC)	5.7	5
27			Government Girls HSS Perumbavoor	5.68	5
28			Government HSS Piravom	5.37	5
29			Government Girls Higher Secondary School, Thripunithura	5.27	5
30			Government HSS, Pezhakkappilly	5.44	5
31			Government HSS Puthenthodu, Chellanam	8.07	5
32			Government HSS, Chengamanad	5.03	4.85
33			Government HSS, Mullassery	5.12	4.95
34	GED005-18	PPE Mission - Upgradation of one school in each constituency - Thrissur District - Phase 2	Nadavaramba Government Model HSS	7.05	5
35			Government Vocational Higher Secondary School, Nandikara	5.06	4.87
36			Government BHSS Wadakkanchery	5.028	4.86
37			Government VHSS, Puthur	5.13	4.95
38			Government HSS, Manathala, Chavakkad	5.03	4.85
39			Government Kerala Varma HSS, Eriyad	8.59	5
40			Government VHSS, Cherpu	5.5	5
41	GED005-19	PPE Mission - Upgradation of one school in each constituency - Palakkad District - Phase 2	Government VHSS Pathirippala	5.02	4.7
42			Government HSS Big Bazar, Palakkad	5.16	4.96
43			GVHSS, Alanallur	7.36	5
44			Government Boys Higher Secondary School, Nenmara	7.82	5
45			Government VHSS Vattenad, Thrithala	6.19	5
46			MNKM Govt. HSS, Pulappatta	5.23	5

Details of funding under Phase-2 of the project : Upgradation of one school from each L.A constituency as a Center of Excellence					
SI No.	Project Code	Name of Sub Project	Schools included in Sub Project Package	Proposed Cost (Rs. In Cr)	Cost Approved for KIIFB Funding (Rs. In Cr)
47	GED005-20	PPE Mission - Upgradation of one school in each constituency - Malappuram District - Phase 2	Government Model HSS, Perinthalmanna	5.79	5
48			Government Vocational Higher Secondary School, Kalpakanchery, Malappuram	6.3	5
49			Pandikkad Govt. H.S.S	5.16	4.96
50			Government HSS Thuvvur	7.12	5
51			Government Vocational HSS, Melangadi, Kondotty	5.17	4.97
52			Government VHSS Makkaraparambu (Mankada LAC)	5.09	5
53			Government Girls HSS, Malappuram	5.46	5
54			Government Higher Secondary School, Perassanur, Kuttippuram	6.79	5
55			Govt. H.S.S.Peruvallur	7.29	5
56			Government Higher Secondary School, Kuzhimanna, Malappuram	5.43	5
57	GED005-21	PPE Mission - Upgradation of one school in each constituency - Kannur District - Phase 2	Government HSS Pala, Muzhakunnu	6.04	5
58			Govt. H S S, Chittariparamba (Mattanur LAC)	6.9	5
59			Government HSS, Valapattanam	5.12	4.93
60			Government Vocational Higher Secondary School, Kurumathur, Kannur	5.53	5
61			Government Vocational Higher Secondary School, Chirakkara, Thalassery	5.11	4.9
62	GED005-22	PPE Mission - Upgradation of one school in each constituency - Kozhikode & Wayanad Districts Phase-2	Government Ganapath Vocational Higher Secondary School, Feroke	6.7	5
63			Government Higher Secondary School, Kuttiady	6.99	5
64			Valayam Government HSS, Kozhikode	5.43	5
65			Govt. HSS, Pannur, Koduvally	6.79	5
66			Neeleswaram Government HSS, Mukkam, Kozhikode	5.39	5
67			Meenangadi Government HSS, Wayanad	7.84	5
68	GED005-23	PPE Mission - Upgradation of one school in each constituency - Idukki District - Phase 2	Government HSS, Thodupuzha	6	5
69			Vandiperiyar Panchayath Higher Secondary School	5.49	5
70			Government Tribal HSS, Murikkattukudy	5.21	5
71	GED005-24	PPE Mission - Upgradation of one school in each constituency - Kasargode District - Phase 2	C.K.N.S Memorial GHSS, Pilicode, Kasaragod	5.37	5
72			Government VHSS, Mogral	7.98	5
73			Government Muslim VHSS, Thalankara	7.68	5
Total				449.478	363.35

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Defining the Future

KERALA INFRASTRUCTURE INVESTMENT FUND BOARD

(A Statutory Body under Finance Department, Government of Kerala)

website: www.kiifb.kerala.gov.in

PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER
KERALA INFRASTRUCTURE INVESTMENT FUND BOARD,
THIRUVANANTHAPURAM

ORDER NO : APR-3/137/2017/KIIFB Dated . 01.01.2018

Sub:- KIIFB – Project : GED 008-00 : Betterment of Infrastructural Facilities in 229 Schools – 5 Sub-projects (30 schools) as Phase II in 10 districts – Approval and Sanction for funding – Orders Issued.

Ref:- 1. G.O(Rt)No. 2088/2017/G.Edn dated 29.06.2017.
2. G.O(Rt)No. 4265/2017/G.Edn dated 09.11.2017.
3. G.O(Rt)No. 4755/2017/G.Edn dated 12.12.2017.
4. Minutes of the 4th Executive Committee Meeting of KIIFB held on 29.11.2017.

Government, through the Budget Speech 2017-18, had announced '**Betterment of Infrastructural Facilities in 229 Schools**', to be taken up as a project funded by KIIFB. Consequently, the General Education Department in Government, vide Government Order read 1st above, designated Kerala Infrastructure and Technology for Education (KITE) as the Special Purpose Vehicle for executing the project.

Accordingly, Detailed Project Reports for 30 schools in 10 districts under 'Betterment of Infrastructural Facilities in Schools' were submitted to KIIFB , based on Administrative Sanction accorded vide Government Orders read 2nd and 3rd above.

The Sub-Projects (5 numbers) thereby submitted were evaluated for adherence to KIIF stipulations, as per GO(Ms) No.315/16/Fin dated 08.08.2016, and have been found to be compliant and satisfactory .

The Appraisal Reports were placed in the 4th meeting of the KIIFB Executive Committee for its consideration and approval, abiding by the 29th Board Meeting's decision that funding approval up to and including Rs.100 crore in cases of Projects without Revenue streams would be the prerogative of the Executive Committee.

The 4th Executive Committee that met on 29th November 2017, after considering the proposals, accorded sanction for funding sub-projects relating to 30 schools, as appended under the main project - **GED008-00 'Betterment of Infrastructural Facilities in 229 Schools'** , to be implemented by the Kerala Infrastructure & Technology for Education (KITE) at a total cost of **Rs. 89.85 crore (Rupees Eighty Nine Crores and Eighty Five lakh only)**, against the original proposed of Rs. 121.03 Crore, with the following stipulations:

- i. A Tri-partite agreement shall be entered and Technical Sanction by a competent Authority shall be mandatorily issued before signing schedule/s of the Tri-partite agreement and also before initiating tendering process.
- ii. The detailed estimate submitted shall be reviewed by the TS authority considering the applicability and correctness of items with the relevance of Cost Index and adherence of latest PRICE schedule. (Cost index applied on DSR items has been revised from 01-Oct-2017) . The applicability of the GST also needs to be considered.
- iii. The cost provisions for work alone shall be utilized for execution of work. The savings or anticipated savings from LA, QC, demolition etc. if any, shall not be re appropriated for meeting expenditure of work proper.
- iv. While entrusting the maintenance activities to the contractor, it shall be ensured that the obligation under defect liability shall be performed without any additional cost. Hence no maintenance expenditure is considered under the original work.
- v. It should be ensured that the contract management plans are not in conflict with any of the rules and regulations regarding public works execution prevailing in Government of Kerala.

Dr. K.M Abraham , CFA , IAS
Chief Executive Officer

Secretary to Government, General Education Department
The Executive Director , Kerala Infrastructure & Technology for Education [KITE], Trivandrum
Principal Secretary (Finance)
F&A Division, KIIFB
Inspection Authority, KIIFB

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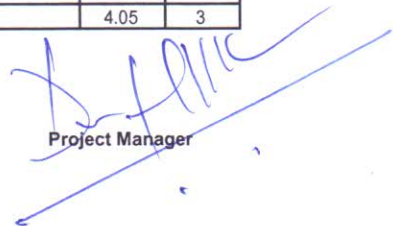
Project Manager

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Appended to Order No. APR-3/137/2017/KIIFB Dated 01/01/2018

Details of funding under Phase-2 of the project: Betterment of Infrastructural Facilities in 229 Schools

Sl No.	Project Code	Name of Sub Project	Schools included in Sub Project Package	Proposed Total (In Crores)	Approved Cost for KIIFB funding (In Crores)
1	GED 008-12	PPE Mission- Betterment of Infrastructural Facilities in 229 Schools - Thiruvananthapuram District Cluster - Phase 2	1. Government Girls HSS, Attingal (Attingal Constituency)	4.5	3
2			2. Government High School, Avanavanchery, Attingal (Attingal Constituency)	4.15	3
3			3. Government Higher Secondary School, Bharathanoor (Vamanapuram Constituency)	4.08	3
4			4. Government HSS, Kulathoor (Kazhakootam Constituency)	5.89	3
5			5. GHS Perumpazhuthoor, Thiruvananthapuram (Neyyatinkara Constituency)	3.47	3
6	GED 008-13	PPE Mission- Betterment of Infrastructural Facilities in 229 Schools - Thrissur & Palakkad District Cluster - Phase 2	1. Govt. Fisheries High School, Nattika (Nattika Constituency)	3.68	3
7			2. GVHSS Koppam, Palakkad (Pattambi Constituency)	3.88	3
8			3. GHSS Peechi, Thrissur (Ollur Constituency)	3.46	3
9			4. Government Vocational Higher Secondary School, Desamangalam, Thrissur (Chelakkara Constituency)	3.93	3
10			5. Kodungallur Government Higher Secondary School, Thrissur (Kodungallur Constituency)	5.47	3
11			6. Government Victoria Girls Higher Secondary School, Chittur, Palakkad (Chittoor Constituency)	3.11	2.99
12	GED 008-14	PPE Mission- Betterment of Infrastructural Facilities in 229 Schools - Kollam, Kottayam & Ernakulam District Cluster - Phase 2	1. Kadappa Government LVHS, Kollam (Kunnathur Constituency)	3.6	3
13			2. GHSS Vallikkezhu (Chavara Constituency)	4.61	3
14			3. Govt.H.S.S & Vocational HSS Kumarakom (Ettumanoor Constituency)	3.49	3
15			4. GHSS Kadayiruppu, Ernakulam (Kunnathunadu Constituency)	3.55	3
16			5. GHS Panayil, Perinad, Kollam (Chavara Constituency)	3.73	3
17			6. Government HSS Punalur, Kollam (Punalur Constituency)	4.24	3
18	GED 008-15	PPE Mission- Betterment of Infrastructural Facilities in 229 Schools - Malappuram District Cluster - Phase 2	1. Government Model Higher Secondary School, Calicut University (Vallikunnu Constituency)	4.18	3
19			2. Government Higher Secondary School, Puthuparamba (Thirurangadi Constituency)	4.08	3
20			3. Government Higher Secondary School, Pookottur (Malappuram Constituency)	3.49	3
21			4. Government Boys Higher Secondary School, Manjeri (Manjeri Constituency)	3.51	3
22			5. Malabar Special Police Higher Secondary School, Malppuram (Malappuram Constituency)	4.35	3
23			6. Government Rajas Higher Secondary School, Kottakal (Kottakkal Constituency)	3.74	3
24			7. Government HSS Edappal, Malappuram (Tavanur Constituency)	4.37	3
25			8. Government HSS Thrikkavu, Malappuram (Ponani Constituency)	3.52	3
26	GED 008-16	PPE Mission- Betterment of Infrastructural Facilities in 229 Schools - Kozhikode Kannur Kasargode District Cluster - Phase 2	1. Narikuni Government H.S.S, Kozhikode (Koduvally Constituency)	3.32	3
27			2. GHSS Chayoth, Kasargod (Kanhangad Constituency)	2.98	2.86
28			3. GHSS Balanthode, Kasargod (Kanhangad Constituency)	4.42	3
29			4. Government Higher Secondary School, Chala (Dharmadam Constituency)	6.18	3
30			5. GHSS Irikkur, Kannur (Irikkur Constituency)	4.05	3


Project Manager

PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER
KERALA INFRASTRUCTURE INVESTMENT FUND BOARD,
THIRUVANANTHAPURAM

Present : Dr. K.M Abraham CFA

ORDER NO : PWD001-39/APR-8/2025/KIIFB Dated:06-11-2025

Sub: KIIFB Project - PWD001-39: Construction of Thriprayar Bridge across Canoli Canal in Cherpu – Thriprayar Road, Nattika LAC, Thrissur District – Revised Sanction of funding - Orders Issued.

Read: 1. Proceedings Order No. PWD001-39-PA-01 dated 09.11.2018.

The Project "Construction of Thriprayar Bridge across Canoli Canal in Cherpu – Thriprayar Road, Nattika LAC, Thrissur District" was approved for funding by KIIFB for a total amount of Rs. 28.42 Crore to be executed by Kerala Road Fund Board (KRFB) as SPV vide Order read 1st above.

Now, SPV has submitted a sub-project revision proposal which is necessitated on account of the following:

- Change in DSoR from 2016 to 2021.
- Inclusion of provision for the demolition of existing bridge amounting to Rs. 1,88,75,330.17.
- Inclusion of Rs. 23.247 Lakhs towards obtaining CRZ clearance.
- Inclusion of GST at 18%.

In consideration of the above, sanction is hereby accorded for revising the funding sanction of the project "Construction of Thriprayar Bridge across Canoli Canal in Cherpu–Thriprayar Road, Nattika LAC, Thrissur District" Rs. 28.42 Crore to ₹29,48,24,399/- (Rupees Twenty-Nine Crore Forty-Eight Lakh Twenty-Four Thousand Three Hundred and Ninety-Nine only).

While acting on the instant orders, SPV shall comply with the conditions mentioned in the Orders read above and Revision Report.

Encl:- Revision Report

Dr. K. M. Abraham CFA

Chief Executive Officer

To

The Secretary to Government, Public Works Department
The Chief Executive Officer/Project Director, PMU-KRFB, Thiruvananthapuram
The Additional Chief Secretary (Finance)
Finance & Administration Division, KIIFB
Inspection Authority (AIW/TIW), KIIFB
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Deputy Project Manager

PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER
KERALA INFRASTRUCTURE INVESTMENT FUND BOARD,
THIRUVANANTHAPURAM

Present: Dr. K. M. Abraham CFA

ORDER NO : PWD014-35/APR-3/2022/KIIFB Dated:14-12-2022

Sub: KIIFB: TRAN22 - PWD014-35: Coastal Highway Reach 1 - Azhikode Bridge to Valappad in Thrissur district (32 km) - Land Acquisition - Approval and Sanction of funding - Orders issued.

Read: 1. G.O (Rt) No. 942/2017/PWD Dated 10/07/2017.

2. Minutes of the 44th General Body meeting of KIIFB held on 07/07/2022

Government, through the Budget Speech 2017-18 (Para 152) had announced the project "Construction of Coastal Highway" under KIIFB funding and subsequently in principle Administrative Sanction was issued vide Government Order read above (Sl. No. 2) by designating Kerala Road Fund Board (KRFB) as the Special Purpose Vehicle (SPV) for executing the project, at a cost of Rs. 6500 crore for the entire stretch of Coastal Highway.

Accordingly, the Detailed Project Report submitted by KRFB for the project "PWD014-35 Construction of Coastal Highway Reach 1 - Azhikode Bridge to Valappad in Thrissur district (32 km) - Land Acquisition" was verified for adherence to KIIFB stipulations and appraised for compliance, as per G.O (Ms) No. 315/2016/Fin dated 08/08/2016 and G.O (Ms) No. 69/2018/Fin dated 24/02/2018 and was found satisfactory and compliant.

The 44th Board of KIIF that met on 07/07/2022, after considering the proposal and appraisal report, granted approval for funding the Land Acquisition of the project. Accordingly, sanction is accorded for funding the Project: **"TRAN-22 PWD014-35: Construction of Coastal Highway Reach 1 - Azhikode Bridge to Valappad in Thrissur district (32 km)- Land Acquisition"**, to be implemented by Kerala Road Fund Board [SPV] at a total outlay of **Rs. 182,81,77,352 (Rupees One hundred and eighty two crore Eighty one lakh Seventy seven thousand Three hundred and fifty two only)**, subject to the following stipulations:

1. The project shall be considered for funding by KIIFB, subject to the execution of Tripartite Agreement.
2. All the comments in the DAR has to be complied in the entire Land Acquisition process and the necessary clearances such as Environmental Clearance, CRZ clearance etc. shall be obtained within 6 months (180 days) from the publishing of 11(1) notification of Land Acquisition and the application for the clearances may be submitted before issuing the 11(1) notification.
3. Boundary stones has to laid as per the plan submitted by SPV and any changes in the same is admissible only after intimating KIIFB. An AutoCAD drawing has to be submitted along with the boundary stone bills showing the position of all boundary stones laid.
4. The KSEB and KWA utility shifting estimates, if any, must be submitted to KIIFB prior to the 11(1) notification, and SPV must ensure that all utilities to be shifted have been incorporated in the estimate. In addition, SPV shall collect the details of all upcoming Utility laying works in the

alignment and necessary action may be taken to direct KWA/KSEB to carry out the work in a manner that minimizes the shifting of utilities once the Land Acquisition is completed.

5. SPV shall be recommended to government for the approval of the revised alignment. The LA processing of sections where modification is proposed in the approved alignment may be commenced after the approval of revised alignment

6. All the necessary clearance from the concerned agencies may be taken before the commencement of the Land Acquisition.

7. The Land Acquisition may be in a way to match the Coastal Highway standards near the Munambam Bridge (15.7 meter wide bridge and service roads in both sides) and the curve correction in the southern approach of Munambam bridge.

8. Some length of stretch passes through vulnerable location in terms of sea attack, necessary steps may be taken at an earlier stage for providing the seawall protection before the commencement of construction of Coastal Highway.

Encl: Detailed Appraisal Report

Dr. K. M. Abraham CFA

To

Chief Executive Officer

The Secretary to Government, Public Works Department

The Chief Executive Officer /Project Director, PMU, Kerala Road Fund Board (KRFB),

Thiruvananthapuram

The Additional Chief Secretary (Finance)

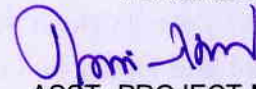
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The Inspection Authority (AIW/TIW), KIIFB

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ASST. PROJECT MANAGER

PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER
KERALA INFRASTRUCTURE INVESTMENT FUND BOARD,
THIRUVANANTHAPURAM

Present : Dr. K. M. Abraham CFA

ORDER NO : WRD025-02-PA-01 Dated 13.11.2018

Sub:-KIIFB Project: TRAN 10: WRD025-02 - WSS to Chazhoor, Thanniyam and Anthikkad Panchayaths in Thrissur district - Approval and Sanction of funding – Orders Issued.

Read:-1. GO (Rt) No.966/2017/WRD dated 29.11.2017

2. Minutes of the 9th Executive Committee meeting of KIIFB held on 24/10/2018.

ORDER

In the Budget Speech 2017-18, Government had announced **Chazhoor, Anthikkad and Thanniyam Drinking water project in Thrissur District** as a project funded by KIIFB. Administrative Sanction for the project has been accorded entrusting the execution of the work to the Kerala Water Authority [KWA], [Special Purpose Vehicle] vide Government Order read above.

The Detailed Project Report, subsequently submitted by the Kerala Water Authority [KWA], was verified for adherence to KIIFB stipulations and appraised for compliance, as per GO(Ms) No.315/16/Fin dated 08.08.2016 and found that the project satisfied all the technical and financial parameters insisted upon by KIIFB.

The Appraisal Report was placed in the 9th meeting of the KIIFB Executive Committee for its consideration and approval, abiding by the 29th Board Meeting's decision that funding approval up to and including Rs.100 crore in cases of Projects without revenue streams would be the prerogative of the Executive Committee.

Thus, the 9th Executive Committee that met on 24th October 2018, after considering the proposal and appraisal report approved the project. Accordingly, sanction is accorded for funding the project **TRAN-10 :WRD025-02 - WSS to Chazhoor, Thanniyam and Anthikkad Panchayaths in Thrissur district**, approved vide Government Order read above, to be implemented by the Kerala Water Authority [KWA] [Special Purpose Vehicle]; limiting the proposed outlay to **Rs. 34.76 Crore (Rupees Thirty-Four Crore and Seventy-Six Lakh Only)**, against the original proposed of Rs.34.77 crore, with the following stipulations:

1. The tripartite agreement, as per KIIFB stipulations shall be entered into, after which Technical Sanction shall be mandatorily issued by the TS authority. The Technical sanction by the competent authority is mandatory before schedules are added to the Tripartite agreement.
2. The detailed estimate submitted shall be reviewed by the TS authority considering the applicability and the relevance of Cost Index and adherence of latest PRICE schedule. (GST shall be applicable as per the prevailing norms and conditions.)
3. The cost provisions for work alone shall be utilized for execution of work. The savings or

anticipated savings from LA, QC, demolition etc. shall not be re appropriated for meeting expenditure of work proper.

4. While entrusting the maintenance activities to the contractor, it shall be ensured that the obligation under defect liability shall be performed without any additional cost. Hence no further maintenance expenditure is considered under the original work.
5. The identified revenue streams if any shall be communicated while signing the tripartite agreement.
6. The required statutory clearances as applicable for the project shall be obtained as soon as the Technical Sanction is obtained and prior to the commencement of work.
7. The Detailed Appraisal Report of KIIFB of the project is appended for reference and it shall be taken into consideration by the TS Committee while according Technical Sanction to the Project.

Dr. K. M. Abraham CFA
Chief Executive Officer

To

The Secretary to Government, Water Resources Department
The Managing Director, Kerala Water Authority [KWA], Thiruvananthapuram
The Principal Secretary (Finance)
F&A Division, KIIFB
Inspection Authority (AIW/TIW), KIIFB
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ASST. PROJECT MANAGER



Defining the Future

DETAILED APPRAISAL REPORT

Water Supply Scheme to Chazhoor, Thanniyam and Anthikkad Panchayaths in Thrissur district

Rep No. AR-2018-TRAN10-WRD025-02

1. SALIENT FEATURES

1.1 The project details in brief

Name of Project	WSS to Chazhoor, Thanniyam and Anthikkad Panchayaths in Thrissur district
District	Thrissur
Project outlay	Rs. 34.77 Crore (Revised from Rs.31.00 Cr.)
Implementing Agency/SPV	Kerala Water Authority (KWA)
Report Prepared by	Kerala Water Authority, Project Division, Nattika
Budge Speech Reference	2017 -18 Budget Speech, Rs. 15 Crore
Data reviewed	Detailed Engineering Report (DER) for the Water Supply Scheme to Chazhoor, Thanniyam and Anthikkad Panchayaths in Thrissur district
Source	Karuvannur river
Intake Arrangements	Existing intake cum pump house at Kolothumkadavu, Illikikal
Raw Water Pumping Mains (RWPM)	250 mm DI K9 pipe – 1100 m
Raw Water Pump Set	2 Nos (1 standby, 100%) 100 HP VT, 2 Nos 30 HP VT
Transformer	500 KVA at Illikal Pump House, 250 KVA at Chazhur WTP site
Water Treatment Plant (WTP)	12 MLD Chazhur WTP site, 5.50 LL sump and pump house
Clear Water pump sets	2 Nos (1 standby, 100%) 30 HP 1 no as stand by & 2 Nos 70 HP 1 no as stand by
Clear Water Pumping Main (CWPM)	400 mm – 300 mm DI K9 pipe, Length – 10500 m
Service Reservoirs	11.00 LL OHSR, 8.60 LL OHSR
Distribution System	Not considered (Phase II)

1.2 The proposal deals with the extension of pipelines for water supply scheme in Chazhoor, Thanniyam and Anthikkad Panchayaths in Nattika LA Constituency in Thrissur Parliament Constituency.

1.3 The present proposal deals with production components of the project viz. Intake well, Water treatment plant, raw water pumping main, clear water pumping main and major OHSR. The proposed project for augmenting existing components of CWSS to KPCTA- Chazhoor, Thanniyam and Anthikkad

1.4 Total estimated cost of the project is Rs. 34.77 Crore. The budget provision is only Rs. 15 Crore.

1.5 Following are the scheme components proposed:

- The existing intake well cum pump house of 9 m dia and 13 m depth at Illikkal in Karuvannur river.
- Renovation work of existing intake well cum pump house at Kolothumkadavu
- Raw water motor pump set 100 HP VT – 2 Nos and one as standby and 30 HP VT -2 Nos at Kolothumkadavu at existing intake well cum pump house are proposed.
- Supply and installation of Current Transformer and Potential Transformer unit and Time On Demand meter for 500 KVA existing out door Transformer and other related works.
- The proposal of construction of 12 MLD at existing treatment plant compound at Chirakkal in Chazhoor Panchayath.
- Raw water Pumping main - Laying 250 mm DI K9 pipe – 1100 m from Kolothumkadavu pump house to WTP
- Clear water reservoir cum pump house -Construction of 5.50 LL capacity sump and pump house at treatment plant site.
- Supply and erection of 250 KVA,11KV/433V outdoor type Transformer and connected works
- Clear Water Pump Sets-30 HP centrifugal pump set – 2 Nos to the OHSR at TP site for Chazhoor zone and 70 HP Centrifugal pump set – 2 Nos to the OHSR at Thanniyam and Anthikkad zone.
- Clear water pumping main
- 400 mm DI K9 pipe for a length of 4200 m from the new sump to Common Junction at Peringottukara
- 300 mm DI K9 pipe for a length of 500 m from Common Junction to Thanniyam Tank
- 300 mm DI K9 pipe for a length of 5800 m from Common Junction to Anthikkad Tank
- Supply and installation of surge arresters for CWPM
- Service reservoirs-
- Construction of 11.00 LL OHSR adjacent to the existing tank of Thanniyam Panchayath near to Peringottukara junction
- Construction of 12 LL OHSR at Chazhur zone at WTP site.
- Construction of 8.60 LL OHSR adjacent to the existing OHSR of Anthikkad zone.

2. REQUIREMENT/ DEMAND ANALYSIS

- 2.1 The report deals with supporting points of the necessity of the project.
- 2.2 The water supply scheme CWSS to KPCTA – Chazhoor, Thanniyam and Anthikkad was commissioned during the year 1987 has exceeded the design life.
- 2.3 The ultimate water demand in 2050 is 12.00 MLD for a design period of 30 years considering 15% transmission loss and 5% all other losses.
- 2.4 The population of the Project area as per 2011 census is 79828 with an SC/ST population of 14549/6. Projected Population for 2017 is 81837. The ultimate population in 2050 is 88993.



- 2.5 At the rate of 100 lpcd the ultimate water demand for the Panchayat in 2050 works out to 12.00 MLD.
- 2.6 Its present production of water is 1.90 MLD which is highly inadequate to meet the present water demand. There will be a deficiency of 11 MLD treated water in 2050.
- 2.7 The scarcity of water is leading to socio-economical, health and environmental stresses.
- 2.8 There is an unequal distribution of water in various areas
- 2.9 The present water supply is 20 lpcd and hence needs the augmentation of existing CWSS to KPCTA at the rate of 100 lpcd is envisaged as part of the project.
- 2.10 Project proposal for protected water supply when implemented will improve the standard of living of the citizens and will improve the health status by reducing the water borne diseases.

3. FUNCTIONAL DESIGN

- 3.1 The functional design of the project mainly achieved through field study and documentation using existing information and specifications from various standards. Various points about functional design are listed below.
- 3.2 The present scenario of the water supply scheme, the components and capacity of the scheme and the benefitted area of the scheme is detailed in the project
- 3.3 The water supply level stipulated for the benefitted panchayaths is 100 lpcd for design.
- 3.4 The present water demand works out to 11.6 mld and the ultimate water demand in 2050 is 12.00 mld. However, the supply is only 1.90 mld which is practically inadequate.
- 3.5 Flow type WTP is proposed with a capacity of 12MLD with source drawn from Karuvannur river. The Karuvannur river is perennial, since the construction of Chimmony dam. Systematic release of water into the river from the reservoir ensures the perennial nature of the river.
- 3.6 OHSR with a capacity of 12 LL for Chazhoor zone and an OHSR of 11 LL capacity for Thanniyam is proposed as part of the project.
- 3.7 The design capacity of proposed 12 MLD WTP is based on the pumping hours, the design capacity of proposed OHSR (11 LL at Chazhoor, 12 LL at Thanniyam and 8 LL at Anthikkad) is based on the 1/3rd of the total water demand in the respective zone.
- 3.8 Availability of land with KWA for construction of 12 MLD WTP, and 12LL OHSR for Chazhoor and 11 LL OHSR for Thanniyam zone is mentioned in the report is mentioned in the report.
- 3.9 The land for 8.60 LL capacity OHSR at Anthikkad is under the possession of Anthikkadu Panchayat which is to be handed over by the Panchayats.
- 3.10 The gauge details of the Karuvannur river is provided to establish the adequacy of the source. The daily drinking water demand for the Chazhoor, Thanniyam and Anthikkad Panchayaths to be met from Karuvannur river is 0.349 Mm³/day.
- 3.11 Water quality analysis has been carried out and the report is provided in the DPR.

- 3.12 As per the calculation water demand without considering the industrial and commercial demand worked out as 11.02 MLD and considering 23 hours of pumping, the capacity of WTP is 11.49 MLD. But in the reply from KWA, the water demand is 13.02 MLD considering 15 % industrial demand, 15% NRW and 4 % treatment loss. The calculation errors shall be rectified and reviewed prior to TS.

4. ENGINEERING DESIGN

- 4.1 The main points about the preliminary design of this project are listed below
- 4.2 The sizes and dimensions of various units have been determined as per the stipulations of CPHEEO water supply manual.
- 4.3 The following design calculations are provided
- Population Forecast & Water Demand
 - Design calculation of transformer
 - Pump design and economic size calculations
 - Design Capacity of TP
 - Design of reservoir
- 4.4 The following drawings are attached with the report
- Site Layout,
 - Schematic Diagram
 - Location Map
 - Site plan of RWPM & CWPM
 - Longitudinal Profile
 - Site plan and layout of WTP
 - Layout and cross sections of OHSR, compound wall
 - Valve Chambers, Anchor Blocks
- 4.5 The details of the 250 KVA transformer at WTP site is provided.
- 4.6 The soil investigation report of the proposed OHSRs is provided.
- 4.7 The tentative electrical drawing of the transformer shall be included and same shall be ensured before TS.
- 4.8 In the wake of the present severe flood, which engulfed most part of the state, the design parameters and calculations for the intake well, WTP, pipe sizes and MFL conditions shall be reviewed prior to TS.

5. O&M STRATEGY

- 5.1 The important points about O&M strategy in the report are as follows,
- 5.2 The DPR mentions an O&M strategy with maintenance period of one year to the contractor and then the maintenance shall be done by KWA mace division.

- 5.3 The O&M cost considered for the economic and financial analyses are Salaries, Energy, Chemicals, Maintenance of assets, chemicals like chlorine, alum and lime, communications, Leak Detection and Repairs, Billing and Collection.

6. FINANCIAL ESTIMATES & COST PROJECTIONS

- 6.1 Estimate of the project is based on DSR-2016, with a cost index of 1.4020, and KWA PRICE software.
- 6.2 The general abstract and the detailed estimate of the proposal is provided in the report.
- 6.3 Following are the different sub-projects:

Heading Description	Estimated Amount	Recommended Amount	Remarks
Renovation work of existing Intake well cum pump house at Illikkal	₹ 3,28,154.67	₹ 3,28,154.67	
Renovation work of existing Intake well cum pump house at Kolothumkadavu	₹ 2,40,171.67	₹ 2,40,171.67	Quantity is given as LS.
Supply and installation of 100 HP VT- 2 Nos at Illikkal existing intake well cum pump house	₹ 40,70,084.00	₹ 40,70,084.00	
Supply and installation of 30 HP VT - 2Nos at Kolothumkadavu existing intake well cum pump house	₹ 13,57,386.80	₹ 13,57,386.80	
Supply and installation of CTPT unit and TOD Meter for 500 KVA existing outdoor transformer and other related works at Illikkal Pump house and for Power allocation charges to be paid for Kolothumkadavu pumphouse	₹ 7,52,000.00	₹ 7,52,000.00	LS amount shall be based on actuals for Power allocation charges to KSEB and other charges.
Laying 250 mm DI K9 RWPM - 1100m from Kolothumkadavu Pump house to WTP	₹ 1,18,55,899.47	₹ 1,18,55,899.47	
Construction of 12 MLD Water Treatment plant cum 12 LL OHSR for Chazhur at Chazhur WTP site	₹ 10,30,22,310.15	₹ 10,29,43,520.09	LS for unforeseen given for a detailed estimate of supply of lab equipment is excluded.
Supply and installation of 250KVA, 11KV/433V outdoor type transformer and connected works at Chazhur WTP site	₹ 31,00,000.00	₹ 31,00,000.00	
Supply and installation of 30HP CF Pumps -2Nos at Chazhur Zone	₹ 11,29,762.25	₹ 11,29,762.25	

Supply and installation of centrifugal motor & pump sets for Thanniyam and Anthikkad Zone(70HP- 2Nos)	₹ 24,93,807.70	₹ 24,93,807.70	
Supplying and laying of 400mm DI K9 clear water pumping main from WTP sump to Peringottukara common junction	₹ 6,70,66,707.73	₹ 6,70,66,707.73	
Supply and laying of 300mm DI K9 from Peringottukara common junction to Thanniyam OSHR	₹ 55,96,327.28	₹ 55,96,327.28	
Supplying and laying of 300mm DI pipe from Peringottukara common junction to Anthikkadu OSHR	₹ 7,43,37,862.97	₹ 7,43,37,862.97	
Construction of 11 LL capacity OSHR at Thanniyam in Thanniyam panchayat	₹ 3,82,46,228.96	₹ 3,82,46,228.96	
Construction of 8.60 LL OSHR at Anthikkad Panchayat	₹ 3,06,10,449.72	₹ 3,06,10,449.72	
Contingency Charges @1% / Contingency Round Off	₹ 34,90,000.00	₹ 34,41,283.63	Contingency round off is excluded
L.S for Round off provided in Package IA, IB & 2	₹ 2,846.63	-	LS round off is excluded
Total	₹ 34,77,00,000.00	₹ 34,75,69,646.94	

Recommended Cost – **Rs.34.76 Crore**

- 6.4 The proposed valve chambers are provided along with the pipeline as a requirement of the site condition.
- 6.5 The road restoration charges furnished are verified with current rates prevailing in PWD with respect to corresponding items. The width of earthwork for excavation provided is more than required in most of the projects as per CPHEEO norms. Hence shall be rechecked so that road restoration charges can be reduced
- 6.6 LS round off, LS unforeseen amount is excluded from KIIFB funding.
- 6.7 Quantity for the items like supply and installation of toilet, soak pit, drainage, etc at intake site, extended warranty of 1 year beyond original warranty of 1 year @ 5 %, supplying and fixing of mechanical water level, Supply and fixing of temporary office room & toilet at tank site etc are given as LS and the same shall be provided with data analysis and ensured before TS.

7. REVENUE STREAMS

- 7.1 Revenue from the project is expected to be generated by collecting the water charges by the implementing agency i.e. KWA for water connections - domestic, non-domestic, industrial and street fountains. There is no mention about the quantity expected.
- 7.2 As per the existing norms source of revenue is the water charge from consumers and cost of water supplied through street taps to be remitted by benefitted LSGs. Proper maintenance of the scheme and accurate metering and timely collection of charges shall enhance the economic feasibility of the scheme.
- 7.3 Other options of revenue streams like renting out of the unutilized space in the OHSRs can be explored with the permission of the Government.

8. COST BENEFIT ANALYSIS

- 8.1 The Cost-Benefit Analysis is furnished in the DPR and the cost-benefit ratio is 0.431.

9. VALUE ENGINEERING OPTIONS

- 9.1 DI-K9 pipes are proposed to be used and this is based on the prevailing KWA policy.

10. IMPLEMENTATION SCHEDULE & WBS

- 10.1 A time-bound implementation schedule is required from tendering to commissioning that gives transparency in monitoring the progress achieved in the course work. Also, it will help in the allocation of the fund in appropriate time.
- 10.2 The implementation schedule proposed for all the projects in form of a bar chart is provided in the report.
- 10.3 Schedule of the work flow is mentioned as two years from the date of agreement of contract.

11. PROJECT MANAGEMENT ORGANIZATION STRATEGY

- 11.1 The organizational chart and the hierarchy of the PMU proposed by KWA are to be provided in the report.
- 11.2 The roles and responsibilities of the proposed project management unit are to be detailed in the report.

12. CONTRACT MANAGEMENT STRATEGY

- 12.1 The projects are proposed to be carried out as item rate contract to a private contractor. The e-Tendering and e-Procurement system is implemented by KWA.



- 12.2 The contract is as per KWA policies which mostly follows the public works manual standard of the state

13. STATUTORY CLEARANCES

- 13.1 The proposed project requires Bridge/culvert crossing and tar/ berm cut sanction from the concerned departments like PWD, Panchayath authorities and local self-governing bodies.
- 13.2 The co-operation of the other departments like Telecom, KSEB etc are also required for the successful completion of the project.
- 13.3 The land identified for the construction of 8LL OHSR belongs to Anthikkadu Gram panchayat and Panchayat resolution obtained for handing over the land to the KWA.

14. ENVIRONMENTAL ASPECTS & SUSTAINABILITY

- 14.1 The new water supply scheme will reduce the over-exploitation of ground water happening in many parts of the project area. The construction and operating phases will bring in substantial job opportunities which will trigger commercial and economic activities as well.
- 14.2 The following possible environmental problems are expected during the implementation:
- Disturbance and obstruction to vehicle circulation
 - Damages due to settlements due to soil displacement caused by the excavation)
Dispersion of sediments on the roads and clogging of rain drainage due to runoff washing out the excavated material
 - Damages to road pavement and to other utilities cables and conduits encountered along the work alignment.

15. QUALITY MANAGEMENT PLAN

- 15.1 The project is executed by KWA
- 15.2 The DPR mentions that factory testing and field testing of pipes shall be done by competent personnel of KWA
- 15.3 The quality control and quality assurance shall be done at the different levels of the Project implementation units though the procedure/standards are not detailed.

16. RISK ASSESSMENT AND MITIGATION MEASURES

- 16.1 The risks associated with the projects have been identified in the report and the necessary mitigation measures have been provided along with the entity responsible.

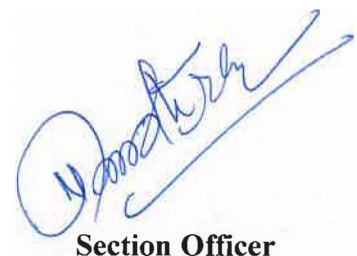
17. REMARKS & INFERENCES

- 17.1 The DPR contains a brief introduction of the current scenario of the WSS of the proposal and a detailed estimate for the project.
- 17.2 The requirement and demand analysis given is specific to the project. A general description regarding the proposed location, the population as per census 2011 etc. are described in the DPR.
- 17.3 The details of proposed components, adequacy of the source, water quality analysis etc are mentioned in the report. The functional design is matching with the requirement and demand along with the standards. The points in 3.12 shall be reviewed before TS.
- 17.4 The schematic diagram, LS of the transmission mains, cross section details of the OHSR are provided. The points in the Engineering design (4.7 & 4.8) shall be ensured before TS.
- 17.5 The O& M strategy proposed in the report is satisfactory.
- 17.6 The detailed estimates are furnished in the report and seems satisfactory for the proposed projects. The observations made in chapter 6.7 shall be adhered to while making the estimate for Technical Sanction.
- 17.7 Possible revenue from the project is expected to be generated by collecting water charges by the implementing Agency i.e.; KWA for water connections.
- 17.8 The cost-benefit ratio is reported as 0.431 but numerical values assigned to various benefit components are not supported with adequate primary or secondary data.
- 17.9 Considering the nature of the project, the value engineering options are minimal and the suggestions made in shall be taken into consideration, and the estimate seems to be reasonable.
- 17.10 The period of completion is realistic and the WBS is based on the rational sequencing of activities with most likely durations.
- 17.11 The project management organization plans seem satisfactory.
- 17.12 The contract management plans are acceptable provided the documents and procedures are not in conflict with any of the rules and regulations about public works execution prevailing in Govt of Kerala.
- 17.13 Explanations regarding the statutory clearances are acceptable.
- 17.14 The environmental aspects & sustainability are acceptable for the present project.
- 17.15 The quality management plans are acceptable.
- 17.16 The major risk during the execution of the project is identified and documented in the project. But the sanction for the open cut road is not been identified as risk and steps taken to mitigate also be highlighted.
- 17.17 In the wake of the present severe flood, which engulfed most part of the state, the design parameters and calculations for the intake well, WTP, pipe sizes and MFL conditions shall be reviewed prior to TS.

- 17.18 The TS Committee shall ensure that the distribution systems for the said project are either included in this proposal or funds are made available for executing the distribution lines to end consumers before issuing TS for this work.

18. RECOMMENDATIONS AND SUGGESTIONS

- 18.1 The project may be considered for funding by KIIFB subject to the execution of tripartite agreement.
- 18.2 The amount to be considered for sanction works out to be **Rs. 34.76 Crore**
- 18.3 The detailed estimate submitted shall be reviewed by the TS authority considering the applicability and the relevance of Cost Index and adherence of latest PRICE schedule. (GST shall be applicable as per the prevailing norms and conditions.)
- 18.4 The Technical sanction by the competent authority is mandatory before schedules are added to the Tripartite agreement.
- 18.5 The cost provisions for work alone shall be utilized for execution of work. The savings or anticipated savings from LA, QC, demolition etc. shall not be re appropriated for meeting expenditure of work proper.
- 18.6 While entrusting the maintenance activities to the contractor, it shall be ensured that the obligation under defect liability shall be performed without any additional cost. Hence no further maintenance expenditure is considered under the original work.
- 18.7 Technical Sanction may be issued by the SPV only after incorporating the suggestions indicated in this report and the compliance may be communicated to KIIFB prior to issuance of tenders.



Section Officer