

## 32nd TECHNICAL COMMITTEE MEETING FOR EVALUATION OF RKI LSGD PROJECTS

Technical Committee Meeting for discussing various construction practices at site

Meeting No: 32

Date: 11.05.2022, 2.30am

Venue: Online (google meet)

### AGENDA

- |    |   |
|----|---|
| I  | Discussion on various construction practices at site    |
| II | Technical Sanction for 2 revised and 3 recast estimates |

### PRESENT

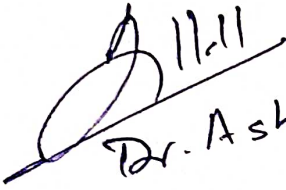
Sl No	Name	Designation and Office address
1	Johnson K	Chief Engineer (LID&EW), LSGD
2	Dr. Jaya V	Professor, College of Engineering, Trivandrum
3	Dr. Ashalatha R	Professor, College of Engineering, Trivandrum
4	Dr. Vishnu R	Assistant Professor, NIT, Warangal
5	Dr. Nivin Philip	Professor, Saint Gits College of Engineering
6	Dr. Neethu Roy	Professor, Mar Baselios College of Engineering and Technology
7	Sri. Vishnukumar G	Project Director, PMU
11	Sri. Shainy N	Assistant Executive Engineer
12	Sathyanath B	Assistant Executive Engineer
13	Shiju Chandran R	Assistant Executive Engineer
14	Saravaneswar	Assistant Executive Engineer
15	Benzilal S D	Assistant Executive Engineer
16	Binod J	Assistant Engineer
17	Remjish R S	Assistant Engineer
18	Haseena A	Assistant Engineer
19	Jithu Raj R	Assistant Engineer
20	Krishnakumar P	Assistant Engineer
21	Binil Gopinath	Assistant Engineer
22	Rasheed	Assistant Engineer
23	Ripin K John	Assistant Engineer


The meeting commenced at 2.30 pm

The Project Director briefed that the committee was convened as the members expressed their interest to know about the various construction practices adopted at site for RKI projects and to discuss about the various hurdles faced by engineers at site. Assistant Engineers presented the various construction practices and hurdles faced during construction related to subgrade stabilisation, laying of WMM, BC and PQC etc. Engineers presented a video of using rotavator for cement stabilising of subgrade. The committee appreciated the practice and advised to conduct phenolphthalein test to ensure the homogeneity of cement soil mix. Engineers reported the limitation of using rotavator in sites where boulders are present. Engineers reported that the pavers used for laying of WMM are the same ones that are used for BC laying and the bigger size of aggregates in WMM creates mechanical problems to pavers. The technical committee advised that the nominal maximum aggregate size of the WMM may be modified such that 100% of the aggregates shall pass 45mm sieve and this can solve the problems faced during laying of WMM with pavers. Engineers also reported the formation of cracks in pavement concrete especially when Ordinary Portland Cement is used. The technical committee opined that addition of flyash may be considered which can lower the heat of hydration and can impart better workability to concrete. 2 nos of revised estimates and 3 nos of recast estimates, as described below, were presented before the technical committee for according technical sanction

I Revised Estimates	
1	Pennukkara Jn Nettuvaramcode Road in Alappuzha District
	<p>Changes proposed in the original estimate</p> <p>1) Item for felling of tress not required as the trees has been felled by PIP authorities  2)Length of coconut pile required was lower than that proposed n the original estimate 3)  Out of three box culverts, ventway dimensions of one culvert has been increased  4) Length of existing irrigation CD structure at Ch 0+215 to be increased by providing a 3m x 3m box. 5)  Quantity of Item for DR masonry using departmental rubble to be increased as the quantity of dismantled rubble obtained was more than that proposed in the original estimate 6) PIP restricts construction of structures within a distance of 3m from existing aqueduct. Hence DR wall has to be avoided and additional earth filling to be provided.  7) Cover slab to be provided for drains as the distance between CC drain and carriage way is less</p>
	<p>Comments from Technical Committee</p> <p>Technical committee approved the above changes and revised TS may be issued</p>
2	High School Junction Nannad Eradichira Road in Alappuzha
	<p>Changes proposed in the original estimate</p> <p>1) Item for protection using sheet pile in 12 m length to be provided in order to protect a nearby house at Ch 2+130</p>
	<p>Comments from Technical Committee</p> <p>Technical committee approved the above changes and revised TS may be issued</p>
II Recast Estimates	
3	Vattathenpadi Nallethupadi Road in Pathanamthitta
	<p>Changes proposed in the original estimate</p> <p>1) No bids were received for the above works after tendering, retendering and inviting of quotations. Estimates were prepared based on DSR 2016. The tender committee advised to revise the rates to DSR 2018 and the Government has given approval for the same.</p>
	<p>Original Estimate Amount</p> <p>94 lakhs</p>
	<p>Recast Estimate Amount</p> <p>101 lakhs</p>
	<p>Comments from Technical Committee</p> <p>Technical committee approved the above changes and TS may be issued for recast estimate</p>
4	Poovanmala Panamplackal Road in Pathanamthitta
	<p>Changes proposed in the original estimate</p> <p>1) No bids were received for the above works after tendering, retendering and inviting of quotations. Estimates were prepared based on DSR 2016. The tender committee advised to revise the rates to DSR 2018 and the Government has given approval for the same.</p>
	<p>Original Estimate Amount</p> <p>101 lakhs</p>
	<p>Recast Estimate Amount</p> <p>104 lakhs</p>
	<p>Comments from Technical Committee</p> <p>Technical committee approved the above changes and TS may be issued for recast estimate</p>

5	Kalaricode Pallana Puthenvelipadi Road in Pathanamthitta	
	Changes proposed in the original estimate	1) No bids were received for the above works after tendering, retendering and inviting of quotations. Estimates were prepared based on DSR 2016. The tender committee advised to revise the rates to DSR 2018 and the Government has given approval for the same.
	Original Estimate Amount	165 lakhs
	Recast Estimate Amount	175 lakhs
	Comments from Technical Committee	Technical committee approved the above changes and TS may be issued for recast estimate

  
Dr. Ashok Kumar

  
Dr. Jayal