Appendix 1.1

## Year-wise break up of outstanding Inspection Reports (IRs) as on 30 June 2019

(Reference: Paragraph 1.6.1 - Page: 4)

Year	Up to 2015-16	2016-17	2017-18	2018-19	2019-20 (Upto 30 June 2019)	Total
PUBLIC WORKS DEPARTMENT						
Number of IRs	224	36	31	07	04	302
Number of paragraphs	1,070	262	277	79	19	1,707
Number of IRs for which initial reply has not been received (number of paragraphs)  AGRICULTURE DEVE	11(82)	06(56)	16(122)	02(22)	06(38)	41(320)
(CROP HUSBANDRY)	LOFNIENT	X FARMEN	S WELAK	E DEFAKT	VIENI	
Number of IRs	133	NIL	03	10	10	156
Number of paragraphs	271	NIL	27	66	67	431
Number of IRs for which initial reply has not been received (number of paragraphs)	03(16)	02(17)	04(30)	NIL	NIL	09(63)
ANIMAL HUSBANDRY	DEPARTM	ENT				
Number of IRs	21	NIL	46	NIL	NIL	67
Number of paragraphs	37	NIL	150	NIL	NIL	187
Number of IRs for which initial reply has not been received (number of paragraphs)	05(08)	NIL	20(56)	NIL	NIL	25(64)
SOIL SURVEY AND SO					1	
Number of IRs	06	NIL	NIL	18	01	25
Number of paragraphs	15	NIL	NIL	82	06	103
Number of IRs for which initial reply has not been received (number of paragraphs)	01(09)	NIL	NIL	18(82)	NIL	19(91)
DAIRY DEVELOPMEN	T DEPART	MENT				
Number of IRs	04	NIL	08	NIL	NIL	12
Number of paragraphs	07	NIL	67	NIL	NIL	74
Number of IRs for which initial reply has not been received (number of paragraphs)	02(03)	NIL	03(37)	NIL	NIL	05(40)
FOREST AND WILD LI						
Number of IRs	100	19	03	NIL	NIL	122
Number of paragraphs	294	126	14	NIL	NIL	434
Number of IRs for which initial reply has not been received (number of paragraphs)	02(04)	06(61)	NIL	NIL	NIL	08(65)

Year	Up to 2015-16	2016-17	2017-18	2018-19	2019-20 (Upto 30 June 2019)	Total
CO-OPERATION DEPA	CO-OPERATION DEPARTMENT					
Number of IRs	24	06	02	20	NIL	52
Number of paragraphs	80	47	21	166	NIL	314
Number of IRs for which initial reply has not been received (number of paragraphs)	05(28)	05(34)	01(17)	20(155)	NIL	31(234)
FOOD, CIVIL SUPPLIE			FFAIRS DEP	ARTMENT		
Number of IRs	59	NIL	11	21	09	100
Number of paragraphs	138	NIL	73	194	105	510
Number of IRs for which initial reply has not been received (number of paragraphs)	05(12)	NIL	11(71)	21(194)	09(105)	46(382)
HARBOUR ENGINEER	ING					
Number of IRs	13	NIL	04	04	NIL	21
Number of paragraphs	28	NIL	32	17	NIL	77
Number of IRs for which initial reply has not been received (number of paragraphs)	NIL	NIL	NIL	NIL	NIL	NIL
FISHERIES DEPARTM	ENT					
Number of IRs	16	NIL	20	08	NIL	44
Number of paragraphs	38	NIL	160	75	NIL	273
Number of IRs for which initial reply has not been received (number of paragraphs)	01(01)	NIL	18(128)	NIL	NIL	19(129)
PORT & HYDROGRAP	HIC SURVE	Y WING				
Number of IRs	11	1	NIL	8	NIL	20
Number of paragraphs	22	10	NIL	33	NIL	65
Number of IRs for which initial reply has not been received (number of paragraphs)	02(04)	01(10)	NIL	07(30)	NIL	10(44)
ENVIRONMENT AND CLIMATE CHANGE DEPARTMENT						
Number of IRs	NIL	NIL	NIL	NIL	01	01
Number of paragraphs	NIL	NIL	NIL	NIL	20	20
Number of IRs for which initial reply has not been received (number of paragraphs)	NIL	NIL	NIL	NIL	01(20)	01(20)
					Total IR	922
					Total Paras	4,195
	Initial replies not received (IR(Para))					

# **Composition of the General Council**

(Reference: Paragraph 2.1.1- Page: 6)

Sl. No.	Designation
	Ex-Officio members
1	The Chancellor;
2	The Pro-Chancellor;
3	The Vice-Chancellor;
4	The Agricultural Production Commissioner;
5	The Principal Secretary, the Secretary or the Special Secretary to Government, as the case may be, in the Departments of Agriculture,
3	Finance, Fisheries and Animal Husbandry.
6	The Director of Agriculture;
7	The Director of Animal Husbandry;
8	The Director of Dairy Development;
9	The Director of Fisheries;
10	The Principal Chief Conservator of Forests;
11	The Chairman, Rubber board.
12	The Chairman, Spices Board.
13	The Chairman, Marine Products Export Development Authority.
14	The Director, Central Plantation Crops Research Institute.
15	The Director, Kerala Forest Research Institute.
16	One representative of the Indian Council of Agricultural Research.
17	The Member of the Legislative Assembly representing the constituency in which the Headquarters of the University is situated.
	Elected members
1	Four members elected according to the principles of proportional representation by means of single transferable vote by the members of the Legislative Assembly from among themselves of whom one shall be a member belonging to a Scheduled Caste or a Scheduled Tribe;
2	One member elected by the Deans of Faculties of the University from among themselves.
3	Four members elected by the teachers of the University from among themselves according to the principles of proportional representation by means of single transferable vote.
4	Two members elected by the students of the University from among themselves according to the principles of proportional representation by means of single transferable vote.
5	Two members elected by the non-teaching staff of the University from among themselves according to the principles of proportional representation by means of single transferable vote.
6	Two members elected by the permanent labourers of the University from

	among themselves according to the principles of proportional
	representation by means of single transferable vote.
	Members nominated by the Chancellor
1	Four eminent Scientists in the field of agriculture and allied subjects from
1	the concerned university or from outside
2	Four farmers of whom one shall be a member belonging to a Scheduled
	Caste or a Scheduled Tribe and one shall be women.
3	One Member from the association of planters Kerala.
4	Two Presidents of Grama Panchayath.
	Other Members
1	Three members to represent respectively the University of Calicut, Cochin
1	and Kerala, elected by the Senates of the respective Universities.
2	One representative of the Indian Council of Agricultural Research.
3	The member of the Legislative Assembly representing the constituency in
3	which the Headquarters of the University is situated.

Source: University Records

#### Note:

- 1. General Council: The Act prescribes that the General Council shall meet at least once in four months. During the period 2014-15 to 2018-19, 15 meetings were held against the prescribed 15.
- 2. In the composition shown above, one representative of the Indian Council for Agricultural Research and one member of the Legislative Assembly representing the constituency in which the Headquarters of the University is included under both 'Ex-officio' members and 'Other members'.

### **Composition of the Executive Committee**

(Reference: Paragraph 2.1.1 - Page: 6)

Sl. No.	Designation
	Ex-Officio members
1	The Vice-Chancellor;
2	The Agricultural Production Commissioner and the Principal Secretary, the Secretary or the Special Secretary to Government as the case may be in the Finance department.
	Other Members
1	The member representing the Indian Council of Agricultural Research in the General Council;
2	One Dean of Faculty elected by the General Council;
3	One member elected from among the teachers in the General Council, by the Council;
4	Five non-official members of the General Council elected by the Council of whom one shall be a member belonging to a Scheduled Caste and Scheduled Tribe and one shall be a women.
5	The member of the Legislative Assembly representing the constituency in which the Headquarters of the University is situated.

Source: University Records

### Note:

The Executive Committee shall meet as and when required. During the period 2014-15 to 2018-19 and a total of 40 meetings were held.

### **Composition of the Academic Council**

(Reference: Paragraph 2.1.1 - Page: 6)

Sl. No.	Designation
1	The Vice-Chancellor;
2	The Deans of Faculties;
3	The Director of Research;
4	The Director of Extension;
5	The Director of Students Welfare;
6	The Librarian;
7	Six members from among the Heads of Departments of the Faculties, nominated by the Chancellor on rotational basis.
8	Three members from among the staff of the research stations of the University, nominated by the Chancellor;
9	Two members from among the Post-Graduate students and one member from among the Research Students of the University, elected in such manner as may be prescribed;
10	One member elected by the teachers (other than the Dean) of each Faculty, from among themselves;
11	The Registrar,
12	Such other members as may be prescribed.
13	The Academic Council may co-opt as members, not more than ten persons for such periods and in such manner as may be prescribed, so as to secure adequate representation to different aspects of agriculture.

Source: University Records

### Note:

As per the Statute, the Academic Council shall meet every trimester. But the University switched over to semester system. The Council had met 12 times during the period 2014-15 to 2018-19.

# Posts of Teaching Staff not having Statutes

(Reference: Paragraph 2.5.1.1- Page: 9)

Sl. No.	Post
1	Director of Education
2	Director of Students Welfare
3	Director (Planning)
4	Dean, Forestry
5	Controller of Examination
6	Associate Dean College of Agriculture, Padannakad
7	Associate Dean, College of Horticulture, Vellanikkara
8	Associate Dean, College of Agriculture, Ambalavayal
9	Associate Dean (CCBM)
10	Special Officer, ACCER
11	Associate Director of Research (Planning)
12	Associate Director of Research (GA)
13	Associate Director of Research (M&E)
14	Associate Director of Research (Coconut Mission)
15	Associate Director of Research (Vegetable Mission)
16	Associate Director of Research (NZ), Pilicode
17	Associate Director of Research (Seeds)
18	Associate Director of Research RARS, Kumarakom
19	Associate Director of Research, College of Agriculture, Vellayani
20	Associate Director of Research, RARS, Pattambi
21	Associate Director of Extension (South Zone)
22	Teaching Staff, ACCER

Source: University Records

## Programmes/Colleges not granted Accreditation by NAEAB in September 2020

(Reference: Paragraph 2.5.2.2 - Page: 16)

Sl.	Name of the Programme/College	Reason	Action taken by the University
1	M. Sc.(Ag) in Agricultural Entomology & Nematology in CoA, Vellayani	Not approved for accreditation on the ground Degree nomenclature not adhering to ICAR guidelines.	Appeal for granting accreditation furnished as Department of Agricultural Entomology and Department of Nematology are two separate Departments of College of Agriculture, Vellayani, of which accreditation was requested only for the Department of Agricultural Entomology.
2	M. Sc. (Hort) in Pomology & Floriculture in CoA, Vellayani	Not approved for accreditation on the ground Degree nomenclature not adhering to ICAR guidelines.	Appeal for granting accreditation given as 134 <sup>th</sup> Meeting of the Academic Council held on 13/12/2019 had bifurcated Department of Pomology and Floriculture into two separate Departments, viz., Department of fruit science and Department of Floriculture & Landscaping as per ICAR nomenclature.
3	Ph. D in Agricultural Entomology & Nematology in College of Agriculture, Vellayani	Not approved for accreditation on the ground Degree nomenclature not adhering to ICAR guidelines.	Appeal for granting accreditation furnished as Department of Agricultural Entomology and Department of Nematology are two separate Departments of College of Agriculture, Vellayani, of which accreditation was requested only for the Department of Agricultural Entomology.
4	Ph. D in Pomology & Floriculture in College of Agriculture, Vellayani	Not approved for accreditation on the ground Degree nomenclature not adhering to ICAR guidelines.	Appeal for granting accreditation given as 134th Meeting of the Academic Council held on 13/12/2019 had bifurcated Department of Pomology and Floriculture into two separate Departments, viz., Department of fruit science and Department of Floriculture & Landscaping as per ICAR nomenclature.
5	B. Tech in Food Engineering in KCAE & T, Tavanur	Not approved for accreditation on the ground Degree nomenclature not adhering to ICAR guidelines.	Appeal given. The nomenclature and syllabus was changed as per the recommendation of the ICAR's 5 <sup>th</sup> Deans' committee in 2019 as B.Tech (Food Technology). From 2020 admission onwards, KAU is admitting students to B.Tech (Food Technology) programmes.
6	Ph. D in Processing & Food Engineering in KCAE & T, Tavanur	Not approved for accreditation on the ground Degree nomenclature not adhering to ICAR guidelines.	Appeal furnished to ICAR. The nomenclature of this programme has been changed from Ph. D in Agricultural Processing & Food Engineering to Ph. D in Processing & Food Engineering from 2019 admission onwards as per the recommendation of ICAR.

Sl.	Name of the Programme/College	Reason	Action taken by the University
7	College of Co-Operation, Banking & Management, Vellanikkara, KAU, Thrissur and its following programmes •B.Sc. (Hons.) Co-Operation & Banking • M.Sc. (C&B) in Rural Marketing Management • M.Sc. (C&B) in Rural Banking & Finance Management • M.Sc. (C&B) in Co-operative Management • Ph.D (C&B) in Rural Marketing Management	Not approved for accreditation on the ground Degree nomenclature not adhering to ICAR guidelines.	Academic Council has decided to have further discussions with stakeholders regarding changing the nomenclature of programmes as it may affect employment of the graduates.
8	Academy of Climate Change Adaption Education Sit Research Vellanikkara, KAU, Thrissur and its following programmes • B.Sc. (Integrated) Climate Change Adaptation • M.Sc. (Integrated) Climate Change Adaptation	Not approved for accreditation on the ground Degree nomenclature not adhering to ICAR guidelines.	Changed to 4+2 system as per ICAR guidelines.
9	Integrated B.Sc. and M. Sc. programmes in Biotechnology	Not approved for accreditation on the ground Degree nomenclature not adhering to ICAR guidelines.	Changed to 4+2 system as per ICAR guidelines.

Source: University Records

# Details of laboratory equipment as per the Fifth Deans' Committee and in actual possession of College of Agriculture, Ambalavayal

(Reference: Paragraph 2.5.2.5 - Page: 21)

Sl.	Name of equipment	Requirement	In the	Shortfall
No.		(MSHAE)	possession of	
		, , ,	College	
1	Different types of ovens	14	4	10
2	Different types of microscopes	67	2	65
3	Different types of balances	39	18	21
4	Different types of cameras	8	1	7
5	Computers	37	3	34
6	Moisture box	30	0	30
7	Tube Auger	10	1	9
8	Bucket auger	10	0	10
9	Seed germinator	6	0	6
10	Conductivity meter	2	1	1
11	pH Meter	9	1	8
12	Moisture meter	7	0	7
13	Chlorophyl meter	1	0	1
14	Brix meter	2	3	-1
15	Water bath	6	0	6
16	Shaker	4	2	2
17	Drip and Sprinkler System	3	5	-2
18	Meter Scale	10	0	10
19	Tape	5	5	0
20	LCD projector	1	1	0
21	Digital voice recorders	5	0	5
22	Audio recording-mixing consoles	1	0	1
23	Insect box	60	17	43
24	Insect collection nets	60	5	55
25	Collection bottles	60	5	55
26	Insect collection big boxes for	29	2	27
	museum (1 for each order)			
27	Soxhlet Extraction Apparatus	1	0	1
28	Patters Tower	1	0	1
29	Fumigation Chamber 01	1	0	1
30	Automatic seed/grain counter	1	0	1
31	BOD Incubator	3	2	1
32	Centrifuge	4	0	4
33	Growth chamber	1	0	1
34	Distillation assembly	2	1	1

No.   MSHAE   Possession of College	Sl.	Name of equipment	Requirement	In the	Shortfall
35	No.		(MSHAE)	-	
36   Digital refractometer	35	Hand refractometer	5		3
37   Refrigerator   3					
38   Deep Freezer   2					
39   Fruit crusher					
40         Grinding and mixing machine         1         1         0           41         Grafting and budding knife         60         70         -10           42         Secateur         60         60         0           43         Saw         5         10         -5           44         Loppers         5         5         5           44         Loppers         1         10         -9           45         Mist Chamber         1         10         -9           45         Mist Chamber         1         10         -9           46         Poly house with drip irrigation system         2         10         -8           47         Muffle furnace         1         0         1           48         Fruit penetrometer         2         0         2           49         Pulper         1         1         0           50         Juice extractor         1         1         0           51         Crown corking machine         1         1         0           52         Spectrophotometer         2         1         1           53         Poly pouch sealer         1					
41         Grafting and budding knife         60         70         -10           42         Secateur         60         60         0           43         Saw         5         10         -5           44         Loppers         5         5         0           44         Loppers         1         10         -9           45         Mist Chamber         1         10         -9           46         Poly house with drip irrigation system         2         10         -8           47         Muffle furnace         1         0         1           48         Fruit penetrometer         2         0         2           49         Pulper         1         1         0           50         Juice extractor         1         1         1         0           51         Crown corking machine         1         1         0         0         2           52         Spectrophotometer         2         1         1         0         0         5         5         Msala grider         1         1         0         0         1         0         1         0         1         0         1					
42         Secateur         60         60         0           43         Saw         5         10         -5           44         Loppers         5         5         0           45         Mist Chamber         1         10         -9           46         Poly house with drip irrigation system         2         10         -8           47         Muffle furnace         1         0         1           48         Fruit penetrometer         2         0         2           49         Pulper         1         1         0         1           48         Fruit penetrometer         2         0         2         2         49         Pulper         1         1         0         2         2         49         Pulper         1         1         0         2         2         49         Pulper         1         1         0         2         2         4         4         0         2         4         9         2         1         1         1         0         0         2         1         1         1         0         0         2         1         1         1         0					
43         Saw         5         10         -5           44         Loppers         5         5         0           45         Mist Chamber         1         10         -9           46         Poly house with drip irrigation system         2         10         -8           47         Muffle furnace         1         0         1           48         Fruit penetrometer         2         0         2           49         Pulper         1         1         0           50         Juice extractor         1         1         0           51         Crown corking machine         1         1         0           51         Crown corking machine         1         1         0           52         Spectrophotometer         2         1         1           53         Poly pouch sealer         1         1         0           54         Crusher         1         1         0           55         Masala grinder         1         1         0           55         Masala grinder         1         1         0           57         Cold room         1         0 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
44         Loppers         5         5         0           45         Mist Chamber         1         10         -9           46         Poly house with drip irrigation system         2         10         -8           47         Muffle furnace         1         0         1           48         Fruit penetrometer         2         0         2           49         Pulper         1         1         0           50         Juice extractor         1         1         0           51         Crown corking machine         1         1         0           51         Crown corking machine         1         1         0           52         Spectrophotometer         2         1         1           53         Poly pouch sealer         1         1         0           54         Crusher         1         1         0           55         Masala grinder         1         1         0           55         Masala grinder         1         1         0           57         Cold room         1         0         1           58         Vacuum pump         2         0					
45         Mist Chamber         1         10         -9           46         Poly house with drip irrigation system         2         10         -8           47         Muffle furnace         1         0         1           48         Fruit penetrometer         2         0         2           49         Pulper         1         1         0           50         Juice extractor         1         1         0           51         Crown corking machine         1         1         0           51         Crown corking machine         1         1         0           52         Spectrophotometer         2         1         1           53         Poly pouch sealer         1         1         0           54         Crusher         1         1         0           55         Masala grinder         1         1         0           55         Masala grinder         1         1         0           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1					
46         Poly house with drip irrigation system         2         10         -8           47         Muffle furnace         1         0         1           48         Fruit penetrometer         2         0         2           49         Pulper         1         1         0           50         Juice extractor         1         1         0           51         Crown corking machine         1         1         0           52         Spectrophotometer         2         1         1           53         Poly pouch sealer         1         1         0           54         Crusher         1         1         0           54         Crusher         1         1         0           55         Masala grinder         1         1         0           55         Masala grinder         1         1         0           56         Dehydrator         1         1         0           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4					
47         Muffle furnace         1         0         1           48         Fruit penetrometer         2         0         2           49         Pulper         1         1         0           50         Juice extractor         1         1         0           51         Crown corking machine         1         1         0           51         Crown corking machine         1         1         0           52         Spectrophotometer         2         1         1           53         Poly pouch sealer         1         1         0           54         Crusher         1         1         0           54         Crusher         1         1         0           55         Masala grinder         1         1         0           55         Masala grinder         1         1         0           57         Cold room         1         0         1           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4					
47         Muffle furnace         1         0         1           48         Fruit penetrometer         2         0         2           49         Pulper         1         1         0           50         Juice extractor         1         1         0           51         Crown corking machine         1         1         0           51         Crown corking machine         1         1         0           52         Spectrophotometer         2         1         1           53         Poly pouch sealer         1         1         0           54         Crusher         1         1         0           54         Crusher         1         1         0           55         Masala grinder         1         1         0           55         Masala grinder         1         1         0           56         Dehydrator         1         1         0           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4	40		2	10	-0
48         Fruit penetrometer         2         0         2           49         Pulper         1         1         0           50         Juice extractor         1         1         0           51         Crown corking machine         1         1         0           51         Crown corking machine         1         1         0           52         Spectrophotometer         2         1         1           53         Poly pouch sealer         1         1         0           54         Crusher         1         1         0           54         Crusher         1         1         0           55         Masala grinder         1         1         0           56         Dehydrator         1         1         0           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4           60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2	47		1	0	1
49         Pulper         1         1         0           50         Juice extractor         1         1         0           51         Crown corking machine         1         1         0           51         Crown corking machine         1         1         0           52         Spectrophotometer         2         1         1           53         Poly pouch sealer         1         1         0           54         Crusher         1         1         0           54         Crusher         1         1         0           55         Masala grinder         1         1         0           56         Dehydrator         1         1         0           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4           60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2           62         Distilled water unit         3         1         2					
50         Juice extractor         1         1         0           51         Crown corking machine         1         1         0           52         Spectrophotometer         2         1         1           53         Poly pouch sealer         1         1         0           54         Crusher         1         1         0           54         Crusher         1         1         0           55         Masala grinder         1         1         0           56         Dehydrator         1         1         0           57         Cold room         1         0         1           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4           60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2           62         Distilled water unit         3         1         2           63         Autoclave         4         4         4         0		_			
51         Crown corking machine         1         1         0           52         Spectrophotometer         2         1         1           53         Poly pouch sealer         1         1         0           54         Crusher         1         1         0           55         Masala grinder         1         1         0           56         Dehydrator         1         1         0           57         Cold room         1         0         1           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4           60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2           62         Distilled water unit         3         1         2           63         Autoclave         4         4         4         0           64         Laminar Air Flow         1         3         -2           65         Digestion block         2         1         1		1	_		
52         Spectrophotometer         2         1         1           53         Poly pouch sealer         1         1         0           54         Crusher         1         1         0           55         Masala grinder         1         1         0           56         Dehydrator         1         1         0           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4           60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2           62         Distilled water unit         3         1         2           63         Autoclave         4         4         4           64         Laminar Air Flow         1         3         -2           65         Digestion block         2         1         1           66         Hydrometer         5         0         5           67         Infiltrometer         2         0         2           <			1		
53         Poly pouch sealer         1         1         0           54         Crusher         1         1         0           55         Masala grinder         1         1         0           56         Dehydrator         1         1         0           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4           60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2           62         Distilled water unit         3         1         2           63         Autoclave         4         4         4         0           64         Laminar Air Flow         1         3         -2           65         Digestion block         2         1         1           66         Hydrometer         5         0         5           67         Infiltrometer         2         0         2           68         Atterberg's limits meter         5         0         5			2		
54         Crusher         1         1         0           55         Masala grinder         1         1         0           56         Dehydrator         1         1         0           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4           60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2           62         Distilled water unit         3         1         2           63         Autoclave         4         4         4         0           64         Laminar Air Flow         1         3         -2           65         Digestion block         2         1         1           66         Hydrometer         5         0         5           67         Infiltrometer         2         0         2           68         Atterberg's limits meter         5         0         5           69         Nitrogen Analyser         2         1         1					-
55         Masala grinder         1         1         0           56         Dehydrator         1         1         0           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4           60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2           62         Distilled water unit         3         1         2           63         Autoclave         4         4         0           64         Laminar Air Flow         1         3         -2           65         Digestion block         2         1         1           66         Hydrometer         5         0         5           67         Infiltrometer         2         0         2           68         Atterberg's limits meter         5         0         5           69         Nitrogen Analyser         2         1         1           70         Thermometer Max         5         3         2		• •	_	1	
56         Dehydrator         1         1         0           57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4           60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2           62         Distilled water unit         3         1         2           63         Autoclave         4         4         0           64         Laminar Air Flow         1         3         -2           65         Digestion block         2         1         1           66         Hydrometer         5         0         5           67         Infiltrometer         2         0         2           68         Atterberg's limits meter         5         0         5           69         Nitrogen Analyser         2         1         1           70         Thermometer Max         5         3         2           71         Thermometer Min         5         3         2			1	1	
57         Cold room         1         0         1           58         Vacuum pump         2         0         2           59         EC Meter         5         1         4           60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2           62         Distilled water unit         3         1         2           63         Autoclave         4         4         0           64         Laminar Air Flow         1         3         -2           65         Digestion block         2         1         1           66         Hydrometer         5         0         5           67         Infiltrometer         2         0         2           68         Atterberg's limits meter         5         0         5           69         Nitrogen Analyser         2         1         1           70         Thermometer Max         5         3         2           71         Thermometer Min         5         3         2           72         Digital Anemometer         2         0         2			1		
58         Vacuum pump         2         0         2           59         EC Meter         5         1         4           60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2           62         Distilled water unit         3         1         2           63         Autoclave         4         4         0           64         Laminar Air Flow         1         3         -2           65         Digestion block         2         1         1           66         Hydrometer         5         0         5           67         Infiltrometer         2         0         2           68         Atterberg's limits meter         5         0         5           69         Nitrogen Analyser         2         1         1           70         Thermometer Max         5         3         2           71         Thermometer Min         5         3         2           72         Digital Anemometer         2         0         2			1		
59         EC Meter         5         1         4           60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2           62         Distilled water unit         3         1         2           63         Autoclave         4         4         0           64         Laminar Air Flow         1         3         -2           65         Digestion block         2         1         1           66         Hydrometer         5         0         5           67         Infiltrometer         2         0         2           68         Atterberg's limits meter         5         0         5           69         Nitrogen Analyser         2         1         1           70         Thermometer Max         5         3         2           71         Thermometer Min         5         3         2           72         Digital Anemometer         2         0         2			2		<u> </u>
60         Flame Photometer         1         1         0           61         Hot Plate         3         1         2           62         Distilled water unit         3         1         2           63         Autoclave         4         4         0           64         Laminar Air Flow         1         3         -2           65         Digestion block         2         1         1           66         Hydrometer         5         0         5           67         Infiltrometer         2         0         2           68         Atterberg's limits meter         5         0         5           69         Nitrogen Analyser         2         1         1           70         Thermometer Max         5         3         2           71         Thermometer Min         5         3         2           72         Digital Anemometer         2         0         2		* *		1	
61       Hot Plate       3       1       2         62       Distilled water unit       3       1       2         63       Autoclave       4       4       0         64       Laminar Air Flow       1       3       -2         65       Digestion block       2       1       1         66       Hydrometer       5       0       5         67       Infiltrometer       2       0       2         68       Atterberg's limits meter       5       0       5         69       Nitrogen Analyser       2       1       1         70       Thermometer Max       5       3       2         71       Thermometer Min       5       3       2         72       Digital Anemometer       2       0       2			1	1	
62         Distilled water unit         3         1         2           63         Autoclave         4         4         0           64         Laminar Air Flow         1         3         -2           65         Digestion block         2         1         1           66         Hydrometer         5         0         5           67         Infiltrometer         2         0         2           68         Atterberg's limits meter         5         0         5           69         Nitrogen Analyser         2         1         1           70         Thermometer Max         5         3         2           71         Thermometer Min         5         3         2           72         Digital Anemometer         2         0         2			3	1	
63       Autoclave       4       4       0         64       Laminar Air Flow       1       3       -2         65       Digestion block       2       1       1         66       Hydrometer       5       0       5         67       Infiltrometer       2       0       2         68       Atterberg's limits meter       5       0       5         69       Nitrogen Analyser       2       1       1         70       Thermometer Max       5       3       2         71       Thermometer Min       5       3       2         72       Digital Anemometer       2       0       2					
64       Laminar Air Flow       1       3       -2         65       Digestion block       2       1       1         66       Hydrometer       5       0       5         67       Infiltrometer       2       0       2         68       Atterberg's limits meter       5       0       5         69       Nitrogen Analyser       2       1       1         70       Thermometer Max       5       3       2         71       Thermometer Min       5       3       2         72       Digital Anemometer       2       0       2				4	
65         Digestion block         2         1         1           66         Hydrometer         5         0         5           67         Infiltrometer         2         0         2           68         Atterberg's limits meter         5         0         5           69         Nitrogen Analyser         2         1         1           70         Thermometer Max         5         3         2           71         Thermometer Min         5         3         2           72         Digital Anemometer         2         0         2					
66         Hydrometer         5         0         5           67         Infiltrometer         2         0         2           68         Atterberg's limits meter         5         0         5           69         Nitrogen Analyser         2         1         1           70         Thermometer Max         5         3         2           71         Thermometer Min         5         3         2           72         Digital Anemometer         2         0         2			_		
67         Infiltrometer         2         0         2           68         Atterberg's limits meter         5         0         5           69         Nitrogen Analyser         2         1         1           70         Thermometer Max         5         3         2           71         Thermometer Min         5         3         2           72         Digital Anemometer         2         0         2					
68         Atterberg's limits meter         5         0         5           69         Nitrogen Analyser         2         1         1           70         Thermometer Max         5         3         2           71         Thermometer Min         5         3         2           72         Digital Anemometer         2         0         2					
69         Nitrogen Analyser         2         1         1           70         Thermometer Max         5         3         2           71         Thermometer Min         5         3         2           72         Digital Anemometer         2         0         2					
70         Thermometer Max         5         3         2           71         Thermometer Min         5         3         2           72         Digital Anemometer         2         0         2					
71         Thermometer Min         5         3         2           72         Digital Anemometer         2         0         2				3	2
72 Digital Anemometer 2 0 2					
73   Cup Anemometer 2 1 1	73		2		1

Name of equipment	Requirement	In the	Shortfall
	(MSHAE)	-	
Dan Errana in atau	1	College	0
1	_	1	0
			6
<u> </u>			0
			0
			0
<u> </u>			0
			0
			1
			9
			-1
	1		1
Luxmeter		0	2
Solar Pyranometer	1	2	-1
Sterobinocular	5	0	5
Sample processing board (Dry	4	0	4
preservation of samples)			
Wet preservation jars	50	0	50
ncubator	2	0	2
Occular meter	5	0	5
Stage Micrometer	5	0	5
5000/6500 Feed and Forage	1	0	1
Analyzer			
Micro kjeldahl N digestion &	1	0	1
listillation apparatus			
Soxhlet unit for fat estimation	1	0	1
Willy mill grinder	1	0	1
Milk analyzer (automatic)	1	0	1
Crude fiber estimation unit	1	0	1
ncubator cum hatcher	1	1	0
Brooder machine	1	0	1
Feeder	1	0	1
Waterer	1	0	1
Egg candling machine	1	0	1
Debeaker State Sta	1	0	1
Vaccinator Vaccinator	1	0	1
Chaff cutter	1	0	1
Lactometer	1	0	1
Castrator	1	0	1
Shearer	1	1	0
	1		1
	Pan Evaporimeter Soil thermometers Rain gauges Sunshine Recorder Stevenson's Screen Chermograph Hygrograph Soil Heat Flux Plate GPS AWS (optional) Lysimeter	Can Evaporimeter  Soil thermometers  Soil thermometers  Soil thermometers  Soil thermometers  Soil thermometers  Soil thermometers  Soil thermograph  Soil Heat Flux Plate  Soil	College   Coll

Sl. No.	Name of equipment	Requirement (MSHAE)	In the possession of College	Shortfall
111	Artificial vagina	1	0	1
112	Common medication device	1	1	0
113	Cattle crate	1	0	1
114	Seed drill	1	0	1
115	Working models of reaper and mowers	2	0	2
116	Cut model of CI & SI engine	1	0	1
117	Cut model of tractor	1	0	1
118	Internet Server	1	0	1
119	Intranet Server	1	0	1
120	Heavy duty photocopiers	2	1	1
121	Computerized Issue and Catalogue Systems	2	0	2
122	CCTV monitoring system for library	1	0	1
123	RFID and Access Control System (Optional)	1	0	1
124	Broadband Internet Connectivity with minimum speed of 1Gbps	1	0	1
	Total	853	305	548

Source: University Records

## Instances of duplicate invoices submitted for different works

(Reference: Paragraph 3.1 - Page: 43)

SI No	1.0	Amount (₹)	Quantity (MT)	Work for which bitumen was purchased (as noted in the invoice)	Work to which copy of the invoice was submitted in support of purchase of bitumen
1	63000592718 dated 27/03/2017	3,11,884	9.720 VG 30	Thavinjal-Valad-Kunjome road, km 0/000 to 8/300 under Roads Division, Wayanad, Contractor: Farooque Constructions, Alappuzha	Thavinjal-Valad-Kunjome road, km 0/000 to 8/300 under Roads Division, Wayanad Contractor: Farooque Constructions, Alappuzha (Quintuplicate copy submitted)
2	6300016644 dated 16/05/2017	2,30,012	6.370 Emulsion	Airport road-Providing DBM to Thalassery -Irikkur road from km 3/300 to 15/000 under Roads Division, Kannur. Contractor: Farooque Constructions, Alappuzha	Thavinjal-Valad-Kunjome road, km 0/000 to 8/300 under Roads Division, Wayanad Contractor: Farooque Constructions, Alappuzha (Quintuplicate copy submitted)
3	4550075564 dated 18/01/2018	2,96,987	7.826 Emulsion	Improvements and providing BM&BC to Methurumba - Chapparappadavu - Kuttoor road km 16/450 to 23/285 under Roads Division, Kannur. Contractor: M/s Abcon Engineering, Kasaragod	Improvements and providing BM&BC to Methurumba - Chapparappadavu - Kuttoor road km 16/450 to 23/285 under Roads Division, Kannur. Contractor M/s Abcon Engineering, Kasaragod (Duplicate copy submitted)
4	4550067335 dated 30/12/2017	1,19,312	3.094 Emulsion	Manvila-pullukadavu road km 0/000 to 3/000 under Roads Division, Thiruvananthapuram. Contractor: Sri. A. Thajudeen	Improvement to Karattee-Nagaroor-Puthusserymukku road, from chainage 0/000 to 4/000 under Roads Division, Thiruvananthapuram.  Contractor Sri. A. Thajudeen  (Duplicate copy submitted)
5	4550017329 dated 25/08/2017	2,64,139	9.469 VG30	Mechira-Sastampara-Vilappilsala road under Roads Division, Thiruvananthapuram. Contractor: Sri. A. Thajudeen	Improvement to Karattee-Nagaroor-Puthusserymukku road, from chainage 0/000 to 4/000 under Roads Division, Thiruvananthapuram. Contractor Sri. A. Thajudeen (Duplicate copy submitted)
		₹12,22,334	36.48 MT		

## Details of the additional payments made to the contractors on account of the inadmissible items

(Reference: Paragraph 3.2 - Page: 45)

Sl. No. & Name	Items included in the Original Estimate	Additional/extra items	Expenditure	Remarks
of bridge work		included in the Revised Estimate corresponding to	on the additional/	
		the items under Col. 2	extra items	
			(₹)	
1	2	3	4	
1. Construction of Chekki- kkadavu Bridge	Item-7: Sinking of RCC (M 200) circular well of 9m external dia and 6.60m internal dia in all classes of soil other than rock to lines and levels and plumb by scooping out earth from inside and below steining with dredgers or any other applications for abutment wells including hire charges, labour charges, dewatering, casting, vibrating, removal of obstacles, dumping the spoil at suitable places with all leads and lifts, incidental expenses etc. complete as per standard specifications and as directed by the departmental officers.  Item-8: Sinking of RCC circular well of 6.50 m outer dia and 4.30m inner dia in all classes of soil other than rock to lines and levels and plumb by scooping out earth from inside and below steining with dredgers or any other applications for abutment wells including hire charges, labour charges, dewatering, casting, vibrating, removal of obstacles, dumping the spoil at suitable places with all leads and lifts, incidental expenses etc. complete as per standard specifications and as directed by the departmental officers.	Item No.30 of Appendix A: Actual labours & machineries for removal of abstract and seating of wells.	1,35,41,526	According to Sn.1216 (e) of MoRTH specifications for Roads and Bridge works, the contract unit rates for sinking of wells shall cover the cost of labour, tools, equipment and plant and for all operations and other incidentals for sinking of wells including seating. The contract unit rates of items 7 & 8 are inclusive of the items 'hire charges, labour charges' and 'seating of wells' which is incidental to the work 'sinking of well. So, the contractor is not eligible for separate payments for any of these items.
2. Construction of Kariyattukadavu Bridge	Item-5: Sinking of RCC circular well of 6.5 m outer dia and 4.5 m inner dia for foundation of piers in all classes of soil other than rock to lines and levels and plumb by scooping out earth from inside and below steining with dredgers or any other appliances including hire charges, labour charges, dewatering, casting, vibrating, removal of obstacles, dumping the spoil at suitable places with all leads and lifts, incidental expenses etc. complete as per standard specifications and as directed by the departmental officers.	Additional item No.28: Cutting and breaking down in to small pieces boulders more than 40 dm3 and logs of wood more than 100 dm3 in size from below the cutting edge portion of the well kerb etc. complete.	43,17,254	The contract unit rate of item 5 of the original estimate was for sinking of well in all classes of soil, except rock and removal of obstacles irrespective of their size. The contractor quoted rates considering these aspects. So, the contractor was not eligible for separate payments for the

Sl. No. & Name of bridge work	Items included in the Original Estimate	Additional/extra items included in the Revised Estimate corresponding to the items under Col. 2	Expenditure on the additional/ extra items (₹)	Remarks
1	2	3	4	
		Item No.29: Seating of well in hard rock up to average depth of 50 cm by cutting and breaking down the rock by using Jack hammer, chisel etc. to maintain the well in correct level and embedment in rock etc. complete.		removal of boulders of more than 40 dm3 and logs of wood more than 100 dm3 in size.  As stated against work No.1, seating of wells' is incidental to the work 'sinking of well. So, the contractor was not eligible for separate payments for that work.
3. Construction of Pathikkalkadavu bridge	Item No.8: Sinking of RCC circular well of 8.5m outer dia and 6.5m inner dia for foundation of abutments in all classes of soil other than rock to lines and levels and plumb by scooping out earth from inside and below steining with dredgers or any other appliances including hire charges, labour charges, dewatering, casting, vibrating, removal of obstacles, dumping the spoil at suitable places with all leads and lifts, incidental expenses etc. complete as per standard specifications and as directed by the departmental officers.	Extra Item 2: Removal of obstacles and Seating of Well engaging Labour and equipment	20,19,088	The contractor was not eligible for separate payment for removing obstacles and seating of well, for reasons stated in the remarks column against work No.1
	Total		1,98,77,868	

Source: Department Records

### Note:

The labour charges and hire charges of machineries for removal of obstacles and seating of wells, claimed as extra items in the revised estimates, were already included in the original estimate by the words, "including hire charges, labour charges, dewatering, casting, vibrating, removal of obstacles, dumping the spoil at suitable places with all leads and lifts, incidental expenses"

# Details of works involving short recovery of cost of bitumen

(Reference: Paragraph 3.3 - Page: 47)

Agreement No	Rate of bitumen as per Agreement / estimate (₹)	Quantity of bitumen used in the work (in MT)	Amount required to be recovered as per agreement/ estimate (₹) (2x3)	Amount actually recovered (₹)	Short recovery (₹)
1	2	3	4	5	6
	51,250	531.420	2,72,35,275	1,63,90,874	1,08,44,401
SE (K) 60/2015-16 dated 22/08/2015	37,500	25.940	9,72,750	8,00,081	1,72,669
			2,82,08,025	1,71,90,955	1,10,17,070
GD (IV)221/2215 16	50,600	26.403	13,35,992	10,83,958	
SE (K)331/2015-16 dated 27/02/2016	39,283	4.105	1,61,257	1,78,738	
			14,97,249	12,62,696	2,34,553
SE(K)122/2014-15 dated 27/03/2015	54,400	46.173	25,11,811	18,47,040	6,64,771
Total					1,19,16,394

### The works in which cost of bitumen was neither reimbursed nor recovered

(Reference: Paragraph 3.3 - Page: 48)

SI No	Agreement No	Rate of bitumen as per Agreement / estimate (₹)	Quantity of bitumen used in the work executed	Amount required to be recovered as per agreement /estimate (₹) (3 x 4)	Amount required to be reimbursed to contractors	Undue benefit to contractors due to non- recovery of cost of bitumen (₹) (5-6)
1	2	3	4	5	6	7
	SE (K) 138/16-17	41,000	326.879	1,34,02,039	1,00,24,455	
1	dated 10/08/2016	39,283	23.908	9,39,178	7,96,300	
				1,43,41,217	1,08,20,755	35,20,462
		38,167	557.821	2,12,90,354	1,86,07,729	
2	SE(K) 16/17-18	39,961	321.971	1,28,66,283	1,27,73,900	
_	dated 02/06/2017	33,294	55.942	18,62,532	19,79,082	
				3,60,19,169	3,33,60,711	26,58,458
	SE(K) 375/15-16	41,000	400.198	1,64,08,118	1,44,21,476	
3	dated 04/03/2016	39,283	35.556	13,96,746	1,44,21,470	
	dated 04/03/2010			1,78,04,864	1,44,21,476	33,83,388
		41,000	312.598	1,28,16,518		
4	SE(K) 126/15-16	39,283	8.048	3,16,150	1,05,10,209	
7	dated 17/09/2015	29,800	15.759	4,69,618		
				1,36,02,286	1,05,10,209	30,92,077
5	SE(K) 202/15-16 dated 06/10/2015	50,600	67.694	34,25,316	20,16,682	14,08,634
	SE(V) 206/15 16	41,000	10.977	4,50,057	3,95,578	
6	SE(K) 306/15-16 dated 08/02/2016	39,283	1.590	62,460	58,857	
	dated 06/02/2010			5,12,517	4,54,435	58,082
		50,600	10.511	5,31,857	64,89,618	
	SE(K) 9/16-17 dated	41,000	187.936	77,05,376	04,02,010	
7	20/05/2016	39,283	5.499	2,16,017	1,73,416	
	20/03/2010	29,800	9.616	2,86,557	3,01,644	
				87,39,807	69,64,678	17,75,129
	SE (K) 37/2015-16	41,000	300.205	1,23,08,405	88,59,118	
8	dated 09/07/2015	39,283	20.951	8,23,018	7,62,148	
				1,31,31,423	96,21,266	35,10,157
	SE(K) 95/2014-15	41,320	187.124	77,31,964	48,68,599	
9	dated 24/12/2014	34,975	27.520	9,62,512	7,71,427	
	dated 24/12/2014	44.000	62.525	86,94,476	56,40,026	30,54,450
1.0	SE (K) 64/2015-16	41,320	62.727	25,91,880	21,37,873	
10	dated 26/08/2015	34,975	11.834	4,13,894	3,65,790	- ^
				30,05,774	25,03,663	5,02,111

SI No	Agreement No	Rate of bitumen as per Agreement / estimate (₹)	Quantity of bitumen used in the work executed	Amount required to be recovered as per agreement /estimate (₹) (3 x 4)	Amount required to be reimbursed to contractors (₹)	Undue benefit to contractors due to non- recovery of cost of bitumen (₹) (5-6)
1	2	3	4	5	6	7
11		41,000	125.563	51,48,083	40,75,932	
11	SE (K) 99/2016-17 dated 15/07/2016	39,283	18.386	7,22,257 <b>58,70,340</b>	6,83,842 <b>47,59,774</b>	11,10,566
	dated 15/07/2010	41,000	45.029	18,46,189	12,83,639	11,10,300
12	SE(K) 300/15-16	39,283	6.954	2,73,174	2,00,679	
12	dated 06/02/2016	39,283	0.934	21,19,363	14,84,318	6,35,045
		41,320	29.534	12,20,345	7,88,690	0,55,015
13	SE(K) 96/2014-15					
13	dated 24/12/2014	34,975	8.868	3,10,158	2,41,486	
				15,30,503	10,30,176	5,00,327
	GE(II) 222/2015 16	41,000	28.590	11,72,190	8,06,937	
14	SE(K) 332/2015-16 dated 27/02/2016	39,283	2.698	1,05,986	79,885	
	dated 27/02/2016	29,800	2.497	74,411	70,616	2.05.140
		<b>7</b> 0.500	0.670	13,52,587	9,57,438	3,95,149
15	SE(K) 4/2015-16	50,600	9.653	4,88,442	2,83,239	
15	dated 10/04/2015	39,040	1.924	75,113	58,032	
				5,63,555	3,41,271	2,22,284
	GE (II) 205/2015 16	41,000	7.520	3,08,320	2,27,520	
16	SE (K) 287/2015-16 dated 27/01/2016	39,283	1.703	66,899	51,484	
	dated 27/01/2010	29,800	0.684	20,383	20,441	07.157
		40.610	12.220	3,95,602	2,99,445	96,157
17	EE/85/2015-16	49,610	12.220	6,06,234	3,27,677	
1 /	dated 16/11/2015	47,238	2.014	95,137 <b>7,01,371</b>	55,406	2 10 200
		55,200	20.216	, ,	3,83,083	3,18,288
18	EE/155/2014-15	41,400	1.786	11,15,923 73,940	7,56,761 61,576	
10	dated 13/10/2014	41,400	1.780	11,89,863	8,18,337	3,71,526
		50,800	14.405	7,31,774	5,36,389	5,71,520
19	EE/128/14-15 dated	38,100	2.042	77,800	70,402	
	29/09/2014	30,100	2.012	8,09,574	6,06,791	2,02,783
		50,800	17.510	8,89,508	7,54,018	
20	EE/127/14-15 dated	38,100	1.550	59,055	62,826	
	29/09/2014	2 0, 2 0		9,48,563	8,16,844	1,31,719
	EE/100/14 15 1 / 1	50,800	12.353	6,27,532	5,59,254	
21	EE/122/14-15 dated 24/09/2014	38,100	0.961	36,614	38,952	65,940
	24/07/2014			6,64,146	5,98,206	
					Total	2,70,12,732

## The works in which cost of bitumen was recovered / reimbursed partially

(Reference: Paragraph 3.3 - Page: 48)

SI. No.	Agreement No.	Rate of bitumen as per Agt. /estimate (₹)	Qnty. of bitumen used in work	Amount required to be recovered as per Agt. /estimate (₹) (3 x 4)	Amount actually recovered (₹)	Balance to be recovered (₹) (5) – (6)	Amount reimbursed to contractor (₹)	Balance amount due to the contractor (₹)	Net amount due to be recovered from contractors (₹) (7) - (9)
1	2	3	4	5	6	7	8	9	10
	27/77) 16/1 <b>7</b> 16 1	41,000	320.600	1,31,44,600	1,28,24,554	3,20,046	1,08,10,989	2,37,080	
1	SE(K) 46/15-16 dated 01/08/2015	39,283	21.238	8,34,292	7,07,801	1,26,491	6,58,522	99,531	
	01/06/2013			1,39,78,892	1,35,32,355	4,46,537	1,14,69,511	3,36,611	1,09,926
	GE(II) 40/0015 16	56,580	228.194	1,29,11,217	96,00,042	33,11,175	51,38,527	17,16,666	
2	SE(K) 42/2015-16 dated 24/07/2015	41,400	19.165	7,93,431	6,66,954	1,26,477	4,92,836	88,664	
	dated 24/07/2013			1,37,04,648	1,02,66,996	34,37,652	56,31,363	18,05,330	16,32,322
	GE (H) 56/2012 12	38,167	818.476	3,12,38,773	2,15,58,163	93,08,015		75,88,304	
3	SE (K) 76/2012-13 dated 13/07/2012	33,294	64.710	21,54,455	19,02,686	2,51,769		2,42,523	
	dated 15/0//2012			3,33,93,228	2,34,60,849	95,59,784	2,46,24,613	78,30,827	17,28,957
		50,800	167.211	84,94,319	76,86,243	8,08,076	49,14,684	4,83,944	
4	SE(K) 14/2014-15 dated 14/05/2015	38,100	24.095	9,18,020	8,18,236	99,784	8,09,841	78,540	
	dated 14/03/2013			94,12,339	85,04,479	9,07,860	57,24,525	5,62,484	3,45,376
		41,000	217.249	89,07,209	77,57,200	11,50,009	60,74,015	8,17,744	
_	SE(K)346/2015-16	39,283	1.867	73,341	2.14.560	52.020			
5	dated 02/03/2016	29,800	9.841	2,93,262	3,14,569	52,030		34,206	
				92,73,812	80,71,769	12,02,039	60,74,015	8,51,950	3,50,089
6	SE (K) 42/2013-14 dated 01/06/2013	37,073	65.132	24,14,639	18,85,384	5,29,254	19,82,726	4,25,666	1,03,588
	GE/I/\71/2014.15	41,320	410.502	1,69,61,943	1,67,81,291	1,80,651	1,75,48,757	1,48,222	
7	SE(K)71/2014-15 dated 18/10/2014	34,975	35.108	12,27,902	11,97,404	30,498		29,956	
	uaicd 16/10/2014			1,81,89,845	1,79,78,695	2,11,149	1,75,48,757	1,78,178	32,971

Sl. No.	Agreement No.	Rate of bitumen as per Agt. /estimate (₹)	Qnty. of bitumen used in work	Amount required to be recovered as per Agt. /estimate (₹) (3 x 4)	Amount actually recovered (₹)	Balance to be recovered (₹) (5) – (6)	Amount reimbursed to contractor (₹)	Balance amount due to the contractor (₹)	Net amount due to be recovered from contractors (₹) (7) - (9)
1	2	3	4	5	6	7	8	9	10
		41,000	237.036	97,18,476	87,71,786	9,46,690	67,61,432	6,68,502	
8	SE(K)38/2015-16 dated 10/07/2015	39,283	0.365	14,338	3,52,534	5,547	4,46,099	2,640	
0		29,800	11.535	3,43,743				2,040	
				1,00,76,557	91,24,320	9,52,237	72,07,531	6,71,142	2,81,095
	GE/I/\70/2014 15	41,320	124.755	51,54,877	38,53,090	13,01,787	41,60,007	12,46,478	
9	SE(K)70/2014-15 dated 16/10/2014	34,975	14.699	5,14,098	3,81,927	1,32,171		1,35,491	
				56,68,975	42,35,017	14,33,958	41,60,007	13,81,969	51,989
	GE/H/054/0015 16	41,000	50.016	20,50,656	19,98,914	51,742	14,86,667	32,588	
10	SE(K)254/2015-16 dated 07/12/2015	39,283	3.646	1,43,226	1,20,338	22,888			
	uateu 07/12/2013			21,93,882	21,19,252	74,630	14,86,667	32,588	42,042
								Total	46,78,355

### Salary paid to the crew of 86 idling road rollers

(Reference: Paragraph 3.4 - Page: 50)

Period for which the rollers idled	Number of road rollers idling	Salary paid to the crew (in ₹) during the period 2014-15 to 2018-19
Up to five years	18	5,60,05,448
Five to 10 years	33	6,46,01,196
10 to 15 years	27	5,69,43,712
15 to 20 years	5	23,88,594
Above 20 years	3	34,52,572
Total	86	18,33,91,522
		Rounded to ₹18.34 crore