Upgradation of State Food Laboratory for High End Equipment/Basic Food Testing Laboratory as on 20.02.2022

FSSAI is implementing a Central Sector Scheme for "Strengthening of Food Testing System in the Country Including Provision of Mobile Food Testing Labs" (SOFTeL) with a total outlay of Rs. 481.95 Crore. The time frame for implementation of the Scheme is 2016-17 to 2018-19. MoH&FW vide letter dated 11.08.2021 has granted the approval of the existing scheme for financial years 2019-2020 and 2020-2021 and extension of the scheme for a period of two years from FY 2021-22 to 2022-23 with the modified scheme components and financial outlay of Rs. 241.34 Crore.

The scheme *inter alia* envisages strengthening/ setting up of 43 State Food Testing Labs. At least one food testing laboratory in each State and two in larger States would be assisted. Under this scheme, a grant of Rs. 13.90 crore (approx.) is earmarked for each SFTL. This includes (i) Rs. 0.50 crore towards creation/renovation of infrastructure for housing high-end equipment (HEE), (ii) ~Rs. 8.45 crore towards procurement of 3 high end equipment viz. LC-MSMS, GC-MSMS and ICP-MS (along with consumables, CAMC and manpower) and, (iii) Rs.1.0 crore earlier, now ~Rs. 3.60 crore towards setting up of microbiology laboratory. A fresh tender was floated in June, 2021 for setting up of Microbiology section and installation of equipments in 05(Five) Regions as a Turnkey Project which is likely to be concluded shortly. A grant of Rs. 10 crore is also being provided to the State for setting up of a basic food testing laboratory.

The Rate Contracts for three high end equipment have been finalized. The list of empanelled vendors, along with terms and conditions of empanelment and standard format of purchase order have been shared with States/UTs, besides uploading on the website of the FSSAI under the caption, Food Testing".

This would enable the States/UTs to analyse the regulatory and surveillance samples drawn by the FSO within the shortest possible time frame; to analyse the safety parameters in food samples such as Heavy metals, Pesticide residues, Antibiotic and drug residues and Naturally occurring toxic substances along with Microbiological tests; to ensure compliance of FSSAI standards on food; to enable the laboratory to achieve NABL accreditation within 2 years from the date of release of final installment; to become a resource point for training and facility up-gradation for other existing Government / Public Food testing laboratories in the State; and to introduce online laboratory data management system through Laboratory Information Management System (LIMS).

So far, **39 State Food Safety Laboratories of 29 States/UTs** have been taken up for upgradation including **setting up 25 microbiology laboratories in 18 States/UTs** (out of 25 SFTL, 02 are being upgraded for microbiology only). A total Grant in aid of Rs. 313.98 crore (including **Rs. 290.15 Crore for HEEs/Basic SFTLs**) has been released for the upgradation of these laboratories, so far. This also includes the grant of Rs. 60 lakh each to some of the States/UTs towards procurement of consumables @ Rs. 10 lakh/year for 3 years and towards meeting contingencies @ Rs. 10 lakh/year for 3 years. State-wise details are under (**as on 20.02.2022**).

S.	Name of the	Grant	Status of Renovation Work	Remarks
No.	State/UT & other	Sanctioned (Month/Year of	(RW) and Purchase of equipments	
	components	sanction)		
1.	Andhra Pradesh (Regional Public Health Lab, Vishakhapatna m)	Rs. 50 Lakh (June, 2017)	 Renovation Work (RW) yet to be started. A fresh proposal dated 27.05.2020 to consider the SFTL for setting up of a basic food testing laboratory. 	of signing the MoU for 2021-22.
2.	Assam ^{*1} (State Public Health Laboratory, Guwahati)	Rs. 4 Crore (March &May 2017) Rs. 3.20 Crore (March, 2019) Rs. 1.30 Crore (August, 2019) <i>Rs. 0.60 Crore</i> [*] (March, 2020)	on all three HEEs.	 Status as per State's MPR of Dec 2021.
3	Bihar (Combined Food & Drug Lab, Agamkuan, Gulzarbagh, Patna)	Rs. 4.00 Crore (March, 2019) Rs. 3.20 Crore (August, 2019) Rs. 1.75 Crore (Sep, 2019) <i>Rs. 0.60 Crore</i> [*] (March, 2020)	 RW complete. All HEE have been procured & installed. No UC submitted till date. 	 Status as per State's MPR received for the month of Dec 21. vide letter dated 06.01.2021 State has been requested to release 70% payment for HEEs and submit UCs
4	Chhattisgarh ^{*2} (State Food & Drugs Testing Lab, Kalibadi, Raipur)	Rs. 35 Lakh (March 2018) Rs. 6.15 Crore (Aug 2018) Rs. 2.45 Crore (Jan, 2019) <i>Rs. 0.60 Crore</i> [*] (March, 2020)	 RW complete. All three HEEs have been received and installed. Samples are being analysed on all three HEEs. UC of Rs. 42.97 lakhs w.r.t RW, Rs. 523.40 lakhs w.r.t HEE & Rs. 0.66 Lakhw.r.t Con/Cont. has been received. 	 Status as per State's MPR for the month of Dec. '21 received vide e-mail dated 11.01.2022.
5	Delhi ^{*3} (Food Laboratory, Department of Food Safety, Delhi)	Rs. 50 Lakh (March 2017) Rs. 4.25 Crore (Nov, 2017) Rs. 1.75 Crore (May 2018) Rs. 2.45 Crore (Jan, 2019) <i>Rs. 0.60 Crore</i> [*] (March, 2020)	 RW complete. Samples are being analysed on all three HEEs.(169 samples analysed on Dec '21) UC of Rs. 687.6 lakhs w.r.t HEE & RW and Rs. 10.98 w.r.t Consumables/ Contingency has been received. 	 Status as per State's MPR for the month of Dec '21 received vide email dated 05.01.2022.
6	Goa ^{*4} (Food and Drugs Laboratory, Goa)	Rs. 50 Lakh (May 2017) Rs. 4.25 Crore (Nov, 2017) Rs. 4.20 Crore (Jan, 2019) <i>Rs. 0.60 Crore</i> [*]	 RW complete. Samples are being analysed on all 3 HEE. UC of Rs 50 Lakh w.r.t. RW, Rs. 551.86 lakhs w.r.t HEE, Rs. 2.29 lakhs w.r.t 	 Status as per State's MPR for the Month of Dec.'21 received

		(March, 2020)		Consumables/ Contingency	
7	Gujarat ^{*5} (Food and Drug Laboratory, Vadodara)	Rs. 50 Lakh (May 2017) Rs. 6 Crore (May 2018) Rs. 2.45 Crore (Jan, 2019) <i>Rs. 0.60 Crore</i> [*] (March, 2020)	•	has been received. RW complete. Samples are being analysed on all three HEEs UC of Rs 50 lakhs w.r.t. RW, Rs. 414.65 lakhs w.r.t to HEE and Rs. 4.21 lakhs w.r.t. consumables/ contingency have been received.	 Status as per State's MPR for the Month of Dec. '21 received
8	Gujarat ^{*6} (Regional Food Laboratory, Rajkot)	Rs. 50 Lakh (August, 2018) Rs. 6 Crore (Aug 2019) Rs. 2.45 Crore (Sep, 2019) <i>Rs. 0.60 Crore</i> [*] (<i>March, 2020</i>)	•	RW complete. Validation under process for ICPMS. Consumables under procurement for LCMS and GCMSMS UC of Rs. 567.62 lakhs w.r.t HEE and Rs. 18.24 Lakh for Con/Cont. has been received.	 Status as per State's MPR for the Month of Dec. 21 received
9	Haryana ^{⁺7} (State Food Laboratory, Chandigarh)	Rs. 50 Lakh (July 2017) Rs. 6 Crore (May 2018) Rs. 2.45 Crore (Jan, 2019) <i>Rs. 0.60 Crore</i> [*] (<i>March, 2020</i>)	•	RW complete. HEEs have been installed, training in progress. UC of Rs. 50 lakhs w.r.t. RW has been received. UC of Rs. 2.35 crores w.rt HEE has been received 70% of payment released to vendor for GCMSMS.	 Status as per state's MPR received for the month of Dec' 21 vide e-mail dated 06.01.2022
10.	Haryana ^{*8} (District Food Laboratory, Karnal)	Rs. 50 Lakh (December 2019) Rs. 4.50 Crore (Feb, 2020	•	The proposal of the State for upgradation of SFTL, Karnal has been approved for setting up of Basic Analytical facilities. Lab designing has been started by Nodal officer with the help of experts.	
11.	Himachal Pradesh ^{*9} (State Food Lab, CLT, Kandaghat)	Rs. 50 Lakh (March 2017) Rs. 6.00 Crore (Sep, 2019) Rs. 2.45 Crore (March, 2020) <i>Rs. 0.60 Crore</i> [#] (March, 2020)	•	RW complete. Samples are being analysed on HEE.(164 samples analysed on Dec' 21) UC of Rs.481.03 lakhs w.r.t HEE has been received. UC of Rs. 40.28 lakh w.r.t RW has been received	 Status as per state's MPR received for the month of Dec' 21 vide email dated 07.12.2021.
12.	J & K (Jammu) ^{*10} (Public Health Laboratory, Patoli, Jammu)	Rs. 0.50 Crore (March 2017) Rs. 5.00 Crore (Nov, 2017) <i>Rs. 0.60 Crore</i> [*] (March, 2020)		RW completed. Samples are being analysed on both the HEE(ICPMS, LCMS-MS). (37 samples analysed on Nov' 21) UC of Rs. 50 lakhs w.r.t RW, Rs. 441.05 lakhs w.r.t. RW and Rs. 19.73 w.r.t	 Status as per state's MPR received for the month of Nov' 21 vide email dated 03.01.2022

			consumables/ contingency has been received.	
13.	J & K (Srinagar) ^{*11} (Public Health Lab, Dalgate, Srinagar)	Rs. 0.50 Crore (June 2017) Rs. 5.00 Crore (Nov, 2017) Rs. 0.60 Crore [*] (March, 2020)	 RW complete. Samples are being analysed on both the HEE (LCMSMS and GCMSMS) have been installed. (92 samples analysed on Nov' 21) UC of Rs. 50 lakhs w.r.t RW, Rs. 441.05 lakhs w.r.t. RW and Rs. 12.23 w.r.t consumables/ contingency has been received 	
14.	Jharkhand (State Food Testing Laboratory, Namkum, Ranchi)	Rs.5.50 Crore (March, 2019) Rs. 1.70 Crore (August, 2019) Rs. 1.75 Crore (Sep, 2019) <i>Rs. 0.60 Crore</i> [*] (March, 2020)	 Samples are not being N 	Status as per State's MPR received for the nonth of Dec. 21.
15.	Karnataka (Karnataka State Food Laboratory, Bangalore)	Rs. 50 Lakhs (March 2017) Rs. 8.50 Crore (Nov, 2017) Rs. 0.60 Crore [*] (March, 2020)	 All the three HEEs have 	Status as per state's /IPR vide e-mail dated 23.11.2021.
16.	Karnataka (Divisional Food Testing Laboratory, Mysore)	Rs. 5.00 Crore (March 2019)	approved the proposal of th	Status had submitted he signed MOU vide etter dated 14.09.2021
17.	Kerala ^{*12} (Regional analytical Laboratory, Malaparamba, Kozhikode- 67300)	Rs. 4.0 Crore (March & May 2017 Rs. 5 Crore (Nov, 2017) <i>Rs. 0.60 Crore</i> [*] <i>(March, 2020)</i>	 All 3 HEEs have been N installed and are D operational. (255 samples analysed in Dec' 2021) 	Status as per State APR for the month of Dec' 2021 vide e-mail lated 06.01.2022

		1		
18.	Kerala ^{*13} (Govt Analyst's Laboratory, Thiruvananth- apuram)	Rs. 50 lakh (Aug, 2018) Rs. 6 .70Crore (Aug 2019)	 Metals in Milk Powder , water & Tomato Sauce on ICPMS Pesticide residues in fruit and fruit products-LCMS/MS Aflatoxin M1 on Milk; Aflatoxin B1, B2, G1, G2 in Pulses and Nuts; Antibiotics in Milk -LCMS/MS RW 90 % completed. ICPMS and LCMS-MS were provided. Samples were being analysed till Oct' 2021. No samples are being analysed with LCMS-MS & ICPMS on Nov' 2021due to some technical issues with HEEs UC of Rs. 3,98,31,389/- out of the grant of Rs. 6,70,00,000/- was received on 5.10.2021 	 Status as per State MPR for the month of Nov' 2021 vide e-mail dated 06.12.2021
			vide letter dated 24.9.2021.	
19.	Kerala ^{*14} (Ernakulam)	 Being upgrade 	d for Microbiology only	
20.	Madhya Pradesh ^{*15} (State Food Testing Laboratory, FDA, Bhopal)	Rs. 50 Lakh (March 2017) Rs. 8.45 Crore (Jan, 2019) <i>Rs. 0.60 Crore</i> [#] (March, 2020)	 RW completed All three HEEs installed and samples are being analysed. (18 samples analysed in Dec' 2021) UC of Rs. 48.80 w.r.t RW, Rs. 493.93 w.r.t. HEE and Rs. 1.57 lakhs w.r.t Consumables have been received. 100% Payment released for LCMSMS, GCMSMS and ICPMS 	 Status as per State's MPR for the month of Dec' 21 received vide e-mail dated 07.01.2022.
21.	Maharashtra (Food Laboratory, Mumbai)	Rs. 50 Lakh (Sept. 2017)	RW Completed.No UC submitted till date.	 Status as per State's MPR received for the Month of Dec '21

22.	Manipur (State Public Health Food Testing Laboratory, Lamphel)	Rs. 50 Lakh (July 2017) Rs. 6 Crore (May 2018) Rs.2.45 Crore (Jan, 2019) <i>Rs. 0.60 Crore</i> [#] (<i>March, 2020</i>)	•	RW complete. All 3 HEEs have been installed and validations in process Sample being analysed on all three HEEs. UC of Rs. 545.60 lakhs w.r.t HEE has been received.		Status as per State's MPR for the Month of Dec.'21 received
23.	Manipur (Zonal Food Testing Laboratory, Moreh)	Rs. 2.40 Crore (March 2019)	Ð	A New Laboratory has been constructed by the State. Procurement of the equipment proposed by the State is in process.		State was requested to send the Status of Laboratory vide e-mail dated 16.05.2020 14.09.2021, 23.09.2021, 30.09.2021 and 06.10.2021& D.O. letter dated 16.09.2020 to CS.
24.	Meghalaya (Food Testing Laboratory, Pasteur Hills, Shilong)	Rs. 50 Lakh (July 2017) Rs. 8.45 Crore (Jan, 2019) Rs. 0.60 Crore [*] (March, 2020)	•	RW complete. All three HEEs have been installed and are functional. UC of Rs. 49.99 lakhs w.r.t. RW, 567.62 w.r.t HEE and Rs. 11.05 lakhs w.r.t consumables/ contingency has been received.	D	Status as per State's MPR for the Month of Oct '21
25.	Nagaland ^{*16} (State Public Health Laboratory, Kohima)	Rs. 50 Lakh (March 2017) Rs. 2 Crore (March 2018) Rs. 4 Crore (May 2018) Rs.2.45 Crore (Jan, 2019) <i>Rs. 0.60 Crore</i> [#] (<i>March, 2020</i>)	•	RW complete. All the three HEEs were installed in November 2019. Samples are not being analysed due to Power supply/Technical issues. UC of Rs. 50 Lakh w.r.t. RW and Rs. 567.62 w.r.t. HEE has been received.	•	Status as per State's MPR for Dec. 21 dated received vide email dated 06.01.2022. State was requested to make the HEE functional vide email dated 07.10.2021
26.	Odisha (Public Health Laboratory, Convent Square Bhubaneswar)	Rs. 6 Crore (Aug 2018) Rs.2.45 Crore (Jan, 2019) Rs. 0.60 Crore [#] (March, 2020)	•	RW complete. All three HEEs have been installed in January 2020. Samples are being analysed on ICP MS only. UC of Rs. 23.87 lakhs w.r.t RW and Rs. 572.66 lakhs w.r.t HEE has been received.		Status as per State's MPRs for Nov. & Dec. 21
27.	Puducherry (Department of Food & Drug Testing, Indira Nagar, Gorimedu)	Rs. 50 Lakh (June 2018) Rs. 8.45 Crore (November, 2019)	•	RW under progress by PWD Puducherry. POs for procurement of HEE were issued on 17.03.21. All three HEEs have been received and are under installation. UC of Rs. 49.50 lakhs w.r.t RW has been received.		As per VC held on 13.10.2021 with the State for MoU 2021-22. State was requested to send the status of progress vide email dated 05.07.2021 01.09.2021, 20.09.2021, 04.10.2021,

				08.10.2021 and 06.12.2021
28.	Punjab ^{*17} (State Food Lab Punjab, Food & Drug Testing Building at Kharar, SAS Nagar)	Rs. 4.0 Crore (March & April, 2017) Rs. 25 lakh (Aug 2018) Rs. 9 lakh [#] <i>Rs. 0.51 Crore</i> [*] (March, 2020)	installed and samples are being analysed. (82 samples analysed in LCMSMS on Dec' 2021)	 Status vide MPR received vide email dated 18.01.2022
29.	Rajasthan ^{*18} (Regional Food Laboratory, Jodhpur)	Rs. 50 Lakh (May 2018) Rs. 6.70 Crore (March 2019) Rs. 1.75 Crore (September, 2019)	 RW complete. All three HEES, i.e. ICPMS, GC-MS/MS & LC-MS/MS have been installed UC of Rs. 40.75 lakhs towards RW and Rs 397 lakh towards procurement of HEE has been received. 	 Status as per State's MPR for the month of Dec.21 received
30.	Rajasthan ^{*19} (Regional Food Laboratory, Udaipur)	Rs. 50 Lakh (May 2018) Rs. 6.70 Crore (March 2019) Rs. 1.75 Crore (September, 2019)	 RW complete. UC of Rs. 50 lakhs has been received. All three HEES, i.e. ICPMS, GC-MS/MS & LC-MS/MS have been installed on 06.10.2021. 	 Status as per State's MPR for the month of Dec '21 received
31.	Rajasthan, Jaipur ^{*20}	 The Lab has t only. 	been considered for Setting up	of Microbiology Laboratory
32.	Sikkim (State Food Testing Laboratory, Singtam)	Rs. 5.00 Crore (March, 2019)	 MoU for setting up of Basic Food Testing Laboratory has been sent to state and a reply is awaited. 	 The state vide email dated 17.11.2021 informed that the MoU after being vetted by the State Law Dept. has been forwarded to State Planning & Development Department. Signed MoU was requested vide email dated 12.11.2021.
33.	Tamil Nadu ^{*21} (Food Analysis Laboratory, Guindy, Chennai)	Rs. 50 Lakhs (March 2017) Rs. 6 Crore (Nov, 2017) <i>Rs. 0.60 Crore</i> [*] (<i>March, 2020</i>)	 RW complete. LCMS/MS & GCMS/MS installed. Samples are being analysed on both HEE. (238 samples on Dec' 2021) UC of Rs. 50 lakhs w.r.t RW, UC ofRs. 463.86 w.r.t. HEE have been received (Rs.4,63,86,199/- for HEEs has been released to vendor so far) 	 Status as per State's MPR for Nov '21 vide e- mail dated 01.02.2022

0.4	— — — — — — — — — —		T		
34.	Tamil Nadu ^{*22} (Food Analysis Laboratory, Madurai)	Rs. 50 Lakh (Dec, 2018) Rs. 6.70 Crore (March, 2019)	•	RW complete. All the equipment has been installed and calibrated. Samples are being analysed. (84 samples analysed in Dec' 21) UC of Rs. 50 Lakhs w.r.t RW and Rs. 336.72 lakhs received. Rs.567.4 Lakhs/- for HEEs has been released to vendor so far	 Status as per State's MPR vide e-mail dated 06.01.2022
35.	Telangana ^{*23} (State Food Laboratory, Nacharam, Hyderabad)	Rs. 50 Lakh (July 2017) Rs. 2 Crore (March 2018) Rs. 4 Crore (May 2018) Rs.2.45 Crore (Jan, 2019) <i>Rs. 0.60 Crore</i> [*] (March, 2020)	•	RW complete. All the equipment have been installed and calibrated. Samples are being analysed (13 samples analysed in Dec' 2021) UC of Rs. 50 lakhs w.r.t RW and Rs. 590.97 w.r.t HEE has been received. UC received for 7,14,61,366 vide email dated 14.09.2021.(UC submitted was wrong- state need to submit revised UC; Communicated vide mail dt. 08/12/2021)	 Status as per state's MPR for month of December- 2021 vide email dated 11.01.2022.
36.	Tripura (Regional Food Testing Laboratory, Agartala)	Rs. 50 Lakh (September 2019) Rs. 6 Crore (March 2020) <i>Rs. 0.60 Crore</i> * <i>(March, 2020)</i>	•	RW complete. Both HEEs viz. GC-MSMS and LC-MSMS have been installed and operationalized. Electrification and other minor work going on for GCMSM. Samples are being analysed on LCMSMS. UC of Rs. 4.60 Lakh w.r.t RW and Rs. 412.25 lakhs w.r.t HEE has been received.	 Status as per State's MPR for the month of Dec 21 received vide email dated 05.01.2022.
37.	Uttar Pradesh ^{*24} (Govt. Public Analyst Laboratory, Aliganj, Lucknow)	Rs. 50 Lakh (March 2017) Rs. 2 Crore (March 2018) Rs.3.50 Crore (May 2018) Rs.2.45 Crore (Jan, 2019) <i>Rs. 0.60 Crore</i> [*] (March, 2020)	•	Lab was already renovated by the State. All the three HEEs have been installed and functional. Samples are being analysed. (899 samples analysed on Dec' 2021) UC for Rs. 567.62 lakhs w.r.t HEE has been received. Grant of Rs. 50 lakh released for RW- not needed by the lab. Hence kept unutilised	 Status as per state's MPR for the month of Dec' 2021 received vide email dated 20.01.2022.

38.	Uttarakhand ^{*25} (State Food and Drug Testing Laboratory, Rudrapur)	Rs. 50 Lakhs (April 2017) Rs.6.00 Crore (Dec, 2019) Rs. 2.45 Crore (March, 2020) <i>Rs. 0.60 Crore</i> [#] (March, 2020)	 RW complete. All the equipment has been installed. LCMS-MS is completely operational and samples are being analysed (85 samples analysed in Nov' 21). Manpower provided for GCMS-MS and ICPMS in October- November 2021. Demonstration and Training not completed yet. UC of Rs. 47.17 lakhs w.r.t RW received. Rs. 2.65 lakh has been spent on LCMS-MS. UC not received yet 	 Status as per State's email dated 06.12.2021.
39.	West Bengal ^{*26} (State food Lab West Bengal, Kolkata)	Rs. 50 Lakh (March 2017) Rs. 8.50 Crore (November 2017) <i>Rs. 0.60 Crore</i> [*] (<i>March, 2020</i>)	RW complete.Samples are being analysed	 Status as per State's MPR for the Month of Dec.'21 received

* These State Food Testing Laboratories are NABL Accredited. * towards procurement of consumables @ Rs. 10 lakhs/year for 3 years and towards meeting contingencies @ Rs. 10 lakhs/year for 3 years

States/UTs have been requested from time to time to expedite RW, shortlist vendors from the list of empanelled vendors given in Rate Contract, submit proposal for setting up of microbiology laboratory and also to submit UC in case the grant is utilized, so far.