SOUTH CENTRAL RAILWAY

OFFICE OF THE PRINCIPAL CHIEF ENGINEER

5TH FLOOR, RAIL NILAYAM, SECUNDERABAD - 500071

W.496/Policy/ Vol.IX Dt: 28.12.2021

Sr.DEN/Co-ord/ SC, GTL, BZA, GNT, HYB & NED
Dy.CE/EWS/LGD & Sr.DEN/WS/LGD

Sub: System improvement on Site Laboratory Establishment by contractor-reg

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It is noticed that, during a preventive check conducted by Vigilance in one of the division RUB works, no site laboratory was provided for testing the material at site and there is no penalty clause in the agreement to take up the issue.

In view of the above, system improvement guidelines ***to incorporate in the tender conditions and contract agreement*** are issued as under:

The contractor should set up site laboratory within 45 days from the date of issue of letter of acceptance (LOA). If he/she does not setup site laboratory, the following penalty should be imposed.

Category	Value of work	Penalty per month in Rs.
a	Works costing upto Rs. 2.0 Crs.	No penalty
b	Works costing above Rs.2.0 Crs and upto Rs.5.0Crs	25,000/-
c	Works costing above Rs. 5.0 Crs	50,000/-

Equipments required in site lab for above category of works is enclosed as Annexure- 'A'& 'B'

All divisions are advised to follow above instructions strictly.

This is issued with approval of PCE.

28.12.2021

(**N. Anjaiah**)
Dy.CE/Works

Copy to: CPD/SD, CPD/BW, CE/Works, CTE, CGE, CE/P&D, CE/TP, CE/TM, CBE, CE/RSW, CE/SD & CE/WS&F for kind information.
.: CVO/Engg/SC for kind information w.r.t. your office Lr.No.G.265/ PC/2020/01/01151/ E/N/GTL dt.20.07.2021.

Signature Not Verified
Digitally signed by ROLLAKUPPASWAMY KISHORE
Date: 2026.11.11 12:15:49 IST
Reason: IREPS-CRIS
Location: New Delhi

Annexure-'A'

List of Equipment to be provided by contractor in Site Laboratory

(For value of work costing above Rs. 2.0Crs. and upto Rs. 5.0Crs.)

Sl.No	Details	Nos.
1	Full set of IS sieves for testing of materials for Coarse aggregate, Fine aggregate, soil and Blanket Materials as per IS code and as per RDSO guidelines along with sieve shaker and brushes.	1 Nos.
2	Balance	
	a. Pan balance- upto10kg capacity (with 1.0gm least count)	1 Nos.
	b. Electronic/Digital balance upto 10 kg capacity (with 1.0gm least count)	1 Nos.
3	Concrete cube testing machine -200Tonne capacity	1 Nos.
4	Slump testing apparatus with tamping rod	2 Nos.
5	Concrete cube moulds 150X150X150mm	12 Nos.
6	Leveling instrument with tripod & 2 Nos. of 4m high leveling staff	1 Nos.
7	Weigh batch mixing unit	1 No.
8	Screw gauge, Vernier caliper, Sprit level, Measuring tapes etc	1 No.

The above list is only tentative. Before commencement of work, the actual requirement will be given by the Engineer in charge depending on the nature of work. All equipments and apparatus should be of IS approved brands and in case IS brand is not available these should be of well known brands as per decision of the Engineer-in-charge.

Annexure-'B'

List of Equipment to be provided by contractor in Site Laboratory

(For value of work costing above Rs. 5.0Crs.)

Sl.No	Details	Nos.
1	Full set of IS sieves for testing of materials for Coarse aggregate, Fine aggregate, soil and Blanket Materials as per IS code and as per RDSO guidelines with sieve shaker and brushes.	1 Nos.
2	Balance	
	a. Pan balance-10kg capacity (with 1.0gm least count)	1 Nos.
	b. Electronic/Digital balance 10 kg capacity (with 1.0gm least count)	1 Nos.
3	Concrete cube testing machine -200Tonne capacity	1 Nos.
4	Slump testing apparatus with tamping rod	2 Nos.
5	Concrete cube moulds 150X150X150mm	12 Nos.
6	Leveling instrument with tripod & 2 Nos. of 6m high leveling staff	1 Nos.
7	Set of Soil testing equipments as per IS codes	1 Nos.
8	Set of Cement testing equipments as per IS codes	1 Nos.
9	Weigh batch mixing unit	1 No.
10	Screw gauge, Vernier caliper, Spirit level, Measuring tapes, etc	1 Nos.
11	Rebound hammer apparatus	1 Nos.
12	Digital Camera	1 Nos.

The above list is only tentative. Before commencement of work, the actual requirement will be given by the Engineer in charge depending on the nature of work. All equipments and apparatus should be of IS approved brands and in case IS brand is not available these should be of well known brands as per decision of the Engineer-in-charge.

28.12.2021

Dy.CE/Works