

## PROVISION OF LABORATORY FOR TESTING OF MATERIALS AT WORK SITE:

In accordance with Lr. No.W.496/Policy/Vol.IX Dt.28.12.2021. 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.5.0 Crs	25,000/-
c	Works costing above Rs.5.0 Crs	50,000/-

Equipment required in site lab for above category of works is as per **Annexure-A & Annexure-B**

**NOTE:** No payment will be made to the contractor on this account and site required for the laboratory will be provided by the Railway free of license. After completion of the work, contractor can take back all machinery and establishments etc., Contractor is deemed to have taken this into consideration while quoting his rates.

### Annexure-A

## LIST OF EQUIPMENT TO BE PROVIDED BY CONTRACTOR AT SITE LABORATORY

(For value of work costing above Rs. 2.0 Crs. and upto Rs. 5.00 Crs.)

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	1 Nos.
	a. Pan balance – upto 10 Kg capacity ( with 1.0gm least count)	1 Nos.
	b. Electronic / Digital balance upto 10 Kg capacity ( with 1.0 gm least count)	1 Nos.
3	Concrete cube testing machine – 200 Tonne capacity	1 Nos.
4	Slump testing apparatus with tamping rod	2 Nos.
5	Concrete cube moulds 150x150x150 mm	12 Nos.
6	Levelling instrument with tripod & 2 Nos. of 4m high leveling staff	1 Nos.
7	Weigh batch mixing unit	1 No.
8	Screw gauge, Vernier caliper, spirit 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 equipment's 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 AT SITE  
LABORATORY****(For value of work costing above Rs. 5.00 Crs.)**

S1 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	1 Nos.
	a. Pan balance – upto 10 Kg capacity ( with 1.0gm least count)	1 Nos.
	b. Electronic / Digital balance upto 10Kg capacity ( with 1.0gm least count)	1 Nos.
3	Concrete cube testing machine – 200 tonne capacity	1 Nos.
4	Slump testing apparatus with tamping rod	2 Nos.
5	Concrete cube moulds 150x150x150 mm	12 Nos.
6	Levelling 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 equipment's as per IS codes	1 Nos.
9	Weight batch mixing unit	1 Nos.
10	Screw gauge, Vernier caliper, sprit 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 equipment's 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.