

Schedule of Quantities

NIT No. 22/NIT/EE-I/CPWD/BBSR/2026-27

Name of Work: Construction of Vocational Lab of size 10.60 x 7.00 mtr under PM SHRI School Scheme at Kendriya Vidyalay, Angul. SH:- Balance Works.

Item No.	DSR 23 Item No.	Description	Quantity	Unit	Rate	Amount
1.1	2.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 1 O sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge:				
1.2.1	2.1.1	All kinds of soil	50.00	cum	129.85	₹ 6,493.00
1.3	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.3.1	2.8.1	All kinds of soil.	5.00	cum	260.30	₹ 1,302.00
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	5.00	cum	7878.50	₹ 39,393.00
3.1	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	5.00	cum	6518.60	₹ 32,593.00
3.2	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
3.2.1	4.3.1	Foundations, footings, bases for columns	10.00	sqm	392.15	₹ 3,922.00
3.3	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.				
3.3	8.2.2	Granite stone slab of colour black, Cherry/Ruby red				
3.3.1	8.2.2.2	Area of slab over 0.50 sqm	20.00	sqm	5136.30	₹ 1,02,726.00
3.4	10.25	Casement door single panel with zinc alloy (zamak) 3D hinges, multi-point locking system with cylinder, zinc alloy (zamak) powder coated handles on both sides.				
3.4.1	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	60.00	kg	172.60	₹ 10,356.00

Item No.	DSR 23 Item No.	Description	Quantity	Unit	Rate	Amount
3.5.1	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	50.00	kg	772.40	₹ 38,620.00
4.1	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
4.2.1	13.5.2	1:6 (1 cement: 6 coarse sand)	10.00	sqm	395.35	₹ 3,954.00
4.3.1	16.89	Providing and laying matt finished vitrified tile of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	30.00	sqm	1455.65	₹ 43,670.00
		Total			=	₹ 2,83,029.00
		Modified estimate cost after applying correction			=	₹ 2,75,387.00
		Add cost index @ 15.40%			=	₹ 42,410.00
		Total			=	₹ 3,17,797.00
5.1	NS	Supplying and filling in plinth with local sand under floors, including watering, ramming, consolidating and dressing complete.	10.00	cum	874.50	₹ 8,745.00
5.2	NS	Brick work with flyash F.P.S. (non modular) brick conforming to IS:12894 of class designation 7.5 in superstructure above plinth level up to floor five level in :				
5.2.1	NS	Cement mortar 1:6 (1 cement : 6 coarse sand)	3.00	cum	6717.30	₹ 20,152.00
		Total			=	₹ 3,46,694.00