

B.O.Q

CONSTRUCTION OF SCHOOL BUILDING AT SARBAHAL					
Bill of Quantities (BOQ)					
Sl No	Item Description	Unit	Quantity	Rate (Rs.)	Rate (Rs.)
1	Earthwork excavation in gravelly soil :				
	Earth work in excavation up to 1.5m depth in gravelly soil including dressing & levelling the bed and depositing the excavated materials within 50m initial lead & 1.5m initial lift with all cost, conveyance, tools and plants, labour, taxes & duties complete as per the direction of Engineer-in-Charge.	Cum	68.11		
2	Back filling / Plinth filling with excavated earth within 50m lead :				
	Earthwork in back filling of foundation / pits / trenches / etc including dressing and levelling with excavated earth within initial lead of 50 metres with all costs, conveyance, T&P, labour, taxes and duties complete as per the direction of Engineer-in-Charge.	Cum	68.11		
3	Sand Filling :				
	Supplying and filling of sand in foundation and plinth, watering and ramming including all cost, conveyance, T&P, taxes and duties of all materials and labour charges etc complete as per the direction of Engineer-in-charge	Cum	35.30		
4	PCC (1:4:8) 40mm graded HG metal :				
	Cement Concrete (1:4:8) by using 40mm graded hard granite crusher broken chips including all cost, laying of concrete, watering, curing, conveyance, T&P, royalties, taxes of all materials, scaffolding & labour charges etc complete as per the direction of Engineer-in-Charge.	Cum	24.90		
5	PCC (1:2:4) 12mm to 20mm graded HG chips :				
	Cement Concrete (1:2:4) in ground floor using 12 to 20mm graded hard granite crusher broken chips including all cost, hoisting and laying of concrete, watering, curing, conveyance, T&P, royalties, taxes of all materials, required for the work. Scaffolding and labour charges etc complete as per direction of Engineer-in-Charge, reinforcement rod and centring and shuttering will be paid separately.	Cum	11.49		
6	RCC (1:1.5:3) 12 to 20mm graded HG Chips :				
	Reinforced cement concrete (1:1.5:3) for all type of work in ground floor using 12 to 20mm graded hard granite crusher broken chips including all cost, hoisting and laying of concrete, watering, curing, conveyance, T&P, royalties, taxes of all materials required for the work, scaffolding and labour charges etc complete as per the direction of Engineer-in-charge. Reinforcement rod and centring and shuttering will be paid separately.	Cum	33.92		
7	M.S Reinforcement work :				
	Straightening, cutting, bending, binding tying and placing of M.S Reinforcement bars (plain or Tor) in position including all cost of M.S Reinforcement bars & binding wire (20 to 22 gauge), conveyance, T&P, taxes, scaffoldings, labour charges etc complete as per the direction of Engineer-in-Charge.	Qntl	40.70		
8	Centring and shuttering work (Formwork) :				

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	Providing and fixing strong, rigid, smooth, levelled, and plumbed CENTRING AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting including cost of all materials, labour, conveyance, loading and unloading, taxes, royalties, scaffolding, sundries, T&P, etc complete as per the direction of the Engineer-in-Charge.				
(a)	For RCC Floor and roof slabs, landings, balconies, projecting sun shades upto 4.3 meter height.	Sqm	128.99		
(b)	for RCC Foundation and footing bases of column, mass concrete, precast slabs etc.	Sqm	38.01		
(c)	for RCC Beams, column, girder and bressmer etc	Sqm	147.55		
(d)	for RCC Lintels	Sqm	32.29		
9	Ash brick masonry (1:6) foundation :				
	Ash brick masonry in cement mortar (1:6) in foundation and plinth for all type of works of all thickness including all cost, splays, cutting, watering, curing, conveyance, T&P, scaffoldings, royalties, taxes and duties of all materials and labour charges etc complete as per direction of Engineer-in-Charge (Ash Brick will be supplied from Ash brick plant of OPGC free of cost. Contractor has to arrange his own conveyance for transportation to site)	Cum	11.30		
10	Ash Brick Masonry (1:6) in Superstructure :				
	Ash brick masonry in cement mortar (1:6) in Superstructure for all type of works of all thickness including all cost, splays, cutting, watering, curing, conveyance, T&P, scaffoldings, royalties, taxes and duties of all materials, and labour charges, etc complete as per the direction of Engineer-in-Charge.(Ash Brick will be supplied from Ash brick plant of OPGC free of cost. Contractor has to arrange his own conveyance for transportation to site)	Cum	33.15		
11	12 mm Cement Plaster (1:6) :				
	Providing 12 mm thick cement plaster in cement mortar (1:6) over masonry / CC work , finished smooth, after raking out joints including all cost, watering, curing, conveyance, T&P, royalties, taxes, of all materials, scaffolding and labour charges etc complete as per the direction of Engineer-in-Charge.	Sqm	440.36		
12	6 mm thick cement plaster (1:4) :				
	6mm thick cement plaster in cement mortar (1:4) for all type of ceiling plaster work , RCC surface with deep chipping and slurry treatment , including all cost, watering, curing, conveyance, T&P, royalties, taxes of all materials, scaffolding, and labour charges etc complete as per the direction of Engineer-in-Charge.	Sqm	124.77		
13	Neat Cement Punning :				
	Extra for neat cement punning over cement plaster work including all cost, watering, curing, conveyance, T&P, royalties, taxes of all materials, scaffolding, taxes of all materials etc complete as per the direction of Engineer-in-Charge.	Sqm	101.50		
14	Painting Distemper 02 (two) coats over a coat of Primer :				

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	Providing and painting 02 (two) coats with approved brand and shade distemper paint (Asian / Dulux/ Shalimar/ Berger) on old / new surface over a coat of primer including application of putty thorough cleaning, rubbing out of moss and loose scales etc and preparation of the surface area of application including all cost, conveyance, T&P, taxes of all materials, scaffolding, & labour charges etc complete as per the direction of Engineer-in-Charge.	Sqm	575.13		
15	Painting Weatherproof exterior emulsion paint 02 coats over a coat of primer :				
	Providing and painting with weatherproof anti fungal exterior emulsion paint 02 (two) coats over a coat of primer on old / new surface using approved brand and shade weatherproof paint / primer (Asian / Dulux / Shalimar / Berger) including thorough cleaning, rubbing out moss and loose scales etc and preparation of the surface area of application, including, cost, conveyance, T&P, taxes of all materials, scaffolding and labour charges etc complete as per the direction of Engineer-in-Charge.	Sqm	176.57		
14	Fabrication / erection of Steel work :				
	Supplying, fabrication and erection of all type of mild steel iron work (Sectional weight upto 19.8 kg/Sq.m) for all type of structures, sheds, grills, doors, fencing posts etc with approved quality (SAIL or TISCO make) steel structural, angles, channels, plates, of all sections at all levels and elevations, painting with 02 coats of High gloss enamel paint over a coat of red oxide primer including all cost of materials, conveyance, taxes, labour charges, T&P, scaffoldings, sundries etc complete in all respect as per the direction of the Engineer-in-Charge.	Kg	597.38		
16	Transportation of debries				
	Transportation of debries / surplus spoil away from worksite upto a lead of 5 km by tractor including all costs, conveyance, tools & plant, labour, taxes & duties complete as per direction of Engg-in-charge.	Trip	15.00		
17	Dismantling of RCC and Masonry Strcuture By JCB				
	Dismantling of RCC and Masonry Strcuture By JCB including costs of fuel ,opretor, conveyance, tools & plant, labour, taxes & duties complete as per direction of Engg-in-charge.	Hrs	20.00		
19	Wall Painting / Writing :				
	Writing on Sign Boards / walls etc of all letter & size with synthetic enamel paint base and lettering at all levels and elevations including all cost of materials, conveyance, taxes, scaffolding, T&P, sundries etc complete as per the direction of Engineer-in-Charge.	Sqm	2.45		