

# MUNICIPAL CORPORATION - BHILAI

## NIT

### ESTIMATE FOR LEVELLING OF OPEN AREA

#### ESTIMATION OF BEAUTIFICATION AND REDEVELOPMENT OF AAGANBADI KENDRA CUM

As per C.G PWD Building sor w.e.f- 01-01-2015

Sno	Particulars	Qty	Unit
1	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	199.00	CUM
2	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).	523.47	SQM
3	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil	80.64	Cum
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	1.24	Cum
5	Random rubble masonry with hard stone in foundation and plinth in Cement Mortar 1:6 (1 Cement : 6 Coarse Sand) including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand: 12 stone aggregate 20mm nominal size) upto plinth level.	1.67	Cum
6	Supplying and stacking of good earth at site including royalty, loading, unloading and carriage upto 5 km (earth measured in stacks will be reduced by 20% for payment).	3.71	Cum
7	Supplying and stacking sludge at site including royalty, loading, unloading and carriage upto 5 km (sludge measured in stacks will be reduced by 8% for payment).	2.47	Cum
8	Fine dressing the ground	12.37	Sqm
9	Mixing earth and sludge or manure in proportion specified or directed.	4.95	
10	Flooding the ground with water including making kiaries and dismantling the same.	12.37	Cum
11	Rough dressing the trenched ground including breaking clods.	66.79	Cum
12	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.	12.37	Sqm
13	Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately).	13.37	Sqm
14	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand:		
a	Hedges like Alife, Dorenta, Tikoma etc	20.00	Each
b	Furn like Arica, China etc (3 year old)	10.00	Each
c	Hibiscus (Flower)/ Rose	10.00	Each
d	Carriage by mechanical transport upto 5 km lead: Earth	0.75	Cum

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15	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	1.00	Cum
16	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Pigment Coloured (rubber mould) precast interlock concrete blocks	22.50	Sqm
17	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size)	17.30	Cum
18	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.( total Excavation 25%)	18.90	Cum
19	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	26.84	Cum
20	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	129.36	Sqm
21	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:Columns, Pillars, Piers and likes- rectangular or square in shape	65.76	Sqm
22	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Beams, lintels, cantilevers & walls	11.28	Sqm
23	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:Thermo-Mechanically treated bars FE 415	2194.20	Kg
24	Brick work with modular fly-ash lime bricks (FALG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:Cement Mortar 1:6 (1 cement : 6 coarse sand)	15.8	Cum
25	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	14.36	Cum
26	Providing, and fixing M.S. round and square bars with MS flat of required pattern in wooden frames for windows & clerestory windows including applying a priming coat of red oxide zinc chromate primer, welding etc complete	3456.00	Kg
27	15mm thick cement plaster on the rough side of single or half brick wall of mix:In Cement Mortar 1:6 (1 cement : 6 fine sand)	467.10	Sqm
28	Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.	467.10	Sqm

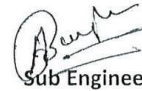
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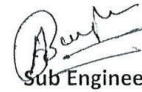
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29	Painting exterior surface with TEXTURED exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:On new work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/ 10 sqm	467.10	Sqm
30	Painting on new work (two or more coats) to give an even shade with:Premium synthetic enamel paint	187.20	Sqm
31	12mm thick cement plaster of mix:In Cement Mortar 1:6 (1 cement : 6 fine sand)	9.60	Sqm
32	Finishing walls with water proofing cement paint to give an even shade.On new work (Two or more coats )	9.60	Sqm
33	Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer.Electric resistance or induction butt welded tubes Grade-250	750.00	kg
<b>NON -SOR</b>			
1	Providing , supplying and installing children play equipments of approved make and quality and fixing as directed etc. complete		
a	Eco Sraight Slide	1	each
b	Double Slide	1	each
c	Swing	2	each
d	See Saw	2	each
e	Merry Co Round	1	each
f	See Saw ( Rocking Boat)	2	each
g	Loop Ring Climber	1	each
2	MOON TABLE-KIDS ACTIVITY TABLE FOR 1-3 YRS AGE GROUP	7.00	EACH
3	SITTING BEANCHES- KIDS TABLE AND CHAIRS SET CONTAINS 2 CHAIRS AND 1 TABLE HEINGHT OF TABLE 2' AND CHAIR HEIGHT-1-1.5' WOODEN MATERIAL	13.00	EACH
4	GREEN BOARD	2.00	SQM
5	TEACHING CHARTS	21.00	EACH
6	SCOLAR ART IRIS PREMIUM HEAVY DUTY MELAMINE (NON MAGNETIC ) GREENCHOWKBOARD	2.23	SQM
7	Matte Play School Wall Painting Artists, For Decoration	70.00	SQM
	SANITATION AND KITCHEN ACCESSORIES WORKS		
	ELECTRIFICATION WORKS		
	CONSULTANCY AND CONTINGENCY 2%		



  
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 Municipal Corporation  
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 Sub Engineer  
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