

**Bill of Quantities for Higher Secondary School
Based on Jharkhand SOR 2010
at Belgoria**

Building Portion:-

SN	Item	Unit	Rate	Qty.	Amount
1	Earth work in excavation in foundation trenches in hard soil (vide classification of soil item-B) and disposal of excavated earth as obtained to a distance up to 50 M.including all lifts with leveling ramming the foundation trenches removing roots of trees shrubs all complete as per approved design and per building specification and direction of E/l.	cum	48.05	2145.000 cum	103067.25
2	Providing designation 75 B brick on brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/l.	sqm	105.20	3603.000 sqm	379035.60
3	Providing and laying PCC M-100 with nominal mix of (1:3:6) in foundation and plinth with approved quantity of stone metel III (53.2 mm to 22.4 mm size) and clean coarse sand F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in cement mixer and placing in position, vibrating, striking, curing, tax and royalty all complete job as per building specification and direction of Engineer in charge.	cum	2558.60	381.000 cum	974826.60
4	Providing RCC M-150 with nominal mix of (1:2:4) in foundation and plinth with approved quality of stone chips 20 mm to 56 mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty all complete job as per building specification and direction of E/l.	cum	3456.05	282.000 cum	974606.10
5	Providing designation 75 B brickwork in cement mortar (1:6) in foundation and plinth with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10 mm, thick mortar joints, cost of screening maintains ranking out joints to 15 mm depth, curing taxes and royalty all complete as per building specification and direction of E/l.	cum	1930.95	627.000 cum	1210705.65
6	Providing RCC M-150 in band at plinth level with approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty all complete job as per building specification and direction of E/l.	cum	3811.55	39.000 cum	148650.45

jsp.com

C.O. 3790891.65

Cont...d P/g 2

SN	Item	Unit	Rate	Qty.	Amount
B.F.					3790891.65
7	Providing designation 75 B brickwork in cement mortar (1:6) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10 mm, thick mortar joints, cost of screening materials ranking out joints to 15 mm depth, curing taxes and royalty all complete as per building specification and direction of E/I.				
	a) Ground floor.	cum	1975.20	730.00 cum	1441896.00
	a) First floor.	cum	2015.00	141.00 cum	284115.00
8	Providing 25 mm thick damp proof course with cement concrete M-150 nominal mix of (1:2:4) with approved quality of stone chips of 20 mm to 10 mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering and mixing cement concrete in mixer with 5% coco or any other approved water proofing compound and plashing in position striking, curing, taxes and royalty all complete as per building specification and direction of E/I.				
		sqm	105.05	14.000 sqm	1470.70
9	Providing RCC M-150 with nominal mix of (1:2:4) in lintel with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in cement mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement) taxes and royalty all complete job as per building specification and direction of E/I.				
		cum	4224.70	29.500 cum	124628.65
10	Providing RCC M-150 with nominal mix of (1:2:4) in beam with approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete on mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty all complete job as per building specification and direction of E/I.				
		cum	4810.00	89.500 cum	430495.00
11	Providing RCC M-150 with nominal mix of (1:2:4) in band at lintel level with approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty all complete job as per building specification and direction of E/I.				
		cum	3822.90	10.000 cum	38229.00
C.O.					6111726.00

jsp.com

SN	Item	Unit	Rate	Qty.	Amount
B.F.					6111726.00
12	Providing RCC M 150 with nominal mix of (1:2:4) in stiffner with approved quqlity of stone chips 20 mm to 6 mm to size graded and clean course sand of F.M. 2.5 to 3 including screening,shuttering,mixing cemant concrete an mixer and placing in position, vibrating, stricking, curing (but excludng the cost of rainforcement, taxes and royaltit all complete jobs as per building specification and direction of E/I.	cum	4162.55	2.200 cum	9157.61
13	Providing RCC M 150 with nominal mix of (1:2:4) in columns with approved quqlity of stone chips 20 mm to 6 mm to size graded and clean coarse sand of F.M. 2.5 to 3 including screening,shuttering,mixing, cement concrete in mixer and placing in position, vibrating, stricking, curring(but excluding the cost of rainforcement, taxes and royalty all complete job as per building specification and direction of E/I.				
	a) Ground floor.	cum	4023.35	68.00 cum	273587.80
	a) First floor.	cum	4081.50	14.00 cum	57141.00
14	Providing av. 63 mm thick RCC M-150 with nominal mix of (1:2:4) chhajja with approved quantity of stone chips 20 mm to 10 mm size gradrd and clean course sand of F.M. 2.5 to 3 including making drip course in concrete screening, centering, shuttering and mixing drip of course in mixer and placing in position, vibration stricking, 6 mm cement mortar (1:4) in ceiling and sides of chhajja with sand of F.M. 1.5 coming (but excluding the cost of rainforcement) taxes and royalty all complete as per building specification and direction of E/I.				
	a) Chhajja	sqm	522.60	190.00 sqm	99294.00
	b) Fins	sqm	522.60	20.00 sqm	10452.00
15	Providing RCC M-150 with nominal mix of (1:2:4) in roof slab with approved quantity of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in cement mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement) taxes and royalty all complete job as per building specification and direction of E/I.	cum	4430.40	302.000 cum	1337980.80

jsp.com

C.O. 7899339.21

Cont...d P/g 4

SN	Item	Unit	Rate	Qty.	Amount
B.F.					7899339.21
16	Providing RCC M-150 with nominal mix of (1:2:4) in staircase with approved quantity of stone chips 20 mm to 10 mm size gradrd and clean course sand of F.M. 2.5 to 3 including centering, shuttering and mixing drip of course in mixer and placing in position, vibration stricking, curing taxes and royalty all complete as per building specification and direction of E/I.	cum	6801.55	5.500 cum	37408.53
17	Providing designation 125 mm thick reinforcement designation 75 A brick work in cement mortar (1:4) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including cost of screening carriage of materials, raking out joints to 15 mm depth curing taxes and royalty (But excluding the cost of reinforcement) all complete as building specification and direction of E/I.	sqm	281.10	105.000 sqm	29515.50
18	Providing 35 mm thick precast RCC 150 mm with nominal mix of (1:2:4) shelves with approved quality of stone chips down to 10 mm size graded and clean coarse sand of F.M. 2.5 to 3 with 1.5 mm cement punning at top and side and 6 mm cement plaster (1:4) at bottom including screening, curing and placing the slab in position (but excluding the cost of rainforcement) taxes and royalty all complete as per building specification and direction of E/I.	sqm	232.90	28.00 sqm	6521.20
19	Providing precast RCC 150 mm with nominal mix of (1:2:4) slab of desired size with approved quality of stone chips and cleen coarse sand of F.M. 2.5 to 3 including screening, curing and placing the slab in position (but excluding the cost of rainforcement) taxes and royalty all complete as per building specification and direction of E/I.	cum	3293.45	1.00 cum	3293.45
20	Providing 6mm thick cement plaster (1:4) in ceiling with cleen coarse sand of FM 1.5 including screening, curing with all leads & lifts of water, scaffolding, taxes and royalty as per building specification and direction of E/I.	sqm	60.25	2270.000 sqm	136767.50
21	Providing 12 mm thick cement plaster (1:6) with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty as per building and direction of E/I.	sqm	60.45	6650.00 sqm	401992.50
22	Providing 1.5 MM cement punning including curing carriage of water with all leads and lifts as per building specification and direction of E/I/.	sqm	23.35	900.000 sqm	21015.00

jsp.com

C.O. 8535852.89

Cont...d P/g 5

SN	Item	Unit	Rate	Qty.	Amount
B.F.					8535852.89
23	Providing 25 mm thick 2nd class patent stone flooring (1:2:4) with stone chips in two layers, bottom layer 19 mm thick (1:2:4) with 12 mm to 6 mm down stone chips in pannels including cost of curing, finishing the surface smooth by rubbing with carborandum stone taxes and royalty with all complete as per building specification and direction of E/l.				
	a) Ground Floor	sqm	141.35	2455.000 sqm	347014.25
	b) First floor	sqm	141.35	1805.000 sqm	255136.75
24	Providing 12 mm cement plaster (1:3) with clean coarse sand of F.M. 1.5 with floating coat of neat cement in skirting including rounded of junction with floor, curing, taxes and royalty all complete as per building specification and direction of E/l.	sqm	101.05	146.000 sqm	14753.30
25	Providing and laying 6 mm thick mosaic flooring of approved texture and colour cover 25 mm thick PCC (1:2:4) with(12 mm) down stone chips and sand of F.M. 2.5 rubbed and polished to granolithic finish with approved quality of carborandum stone top layer of 6 MM being laid down with 4 MM and down marble chips of approved quality and shade in ratio (1:2) cement and marble dust mixed in ratio of (3:1 by weight marble chips) including casting in approved curing taxes and royalty all complete as per building specification and direction of E/l.				
	a) with 100 % white cement with Daltooganj marble cheeps.	sqm	508.05	278.000 sqm	141237.90
26	Providing and laying 6 mm precast white glazed tiles in walls over 12 mm cement mortar (1:3) and jointed with grey cement slurry flush pointed with white cement including rubbing, polishing and cost of curing, taxes and royalty all complete as per building specification and direction of E/l.	sqm	590.80	277.000 sqm	163651.60
27	Extra for providing and fixing 20 mm to 4 mm glass strips in joints of flooring complete as per specification and direction of E/l.	mtrs.	16.35	4038.00 mtr.	66021.30
28	Supplying steel materials & Labour for fabrication, erection boisting and fixing in position structural steel work in R.S. joist, chchannel, angle, Tee, flat, plate, lattise number built up compound section in coloumn, girdar staircase or truss including cost of guest plate at all heights and depths bolting belding (matching wherever necessary) with applying a priming coat of red lead paint all complete as per approved drawing, building specification and direction of E/l.				
	a) Tee 50x50x6 mm	MT	46258.55	1.160 MT	53659.91
	b) Tee 75x75x8 mm	MT	46258.55	0.300 MT	13877.56

SN	Item	Unit	Rate	Qty.	Amount
B.F.					9591205.46
29	Supplying fitting and fixing 38 mm thick solid core type nondecorative double leaf flush door and windows with black board core banded with high quantity phenol formaldehydes synthetic resin both side commercial veneered of standard make with oxidized iron fittings all complete as per building specification and direction of E/I.	sqm	960.50	90.00 sqm	86445.00
30	Supplying fitting and fixing 32 mm thick solid core type nondecorative single leaf flush door shutter with th black board core banded with high quantity phenol formaldehydes synthetic resin both side commercial veneered of standard make with oxidized iron fittings such as hings, tower, bolts, handle, cleets and said block taxes all complete as per building specification and direction of E/I.	sqm	872.85	12.00 sqm	10474.20
31	Supplying, fitting and fixing 32 mm thick solid core type decorative double leaf flush door shutter with black board core banded with high quality phenol formaldehydes synthetic resin both side commercial veneered of stanard make with oxidized iron fitting such as hinges, tower bolts, handle, cleets and dound block taxes all complete as per building specification and direction of E/I.(both side teak).	sqm	1252.35	21.00 sqm	26299.35
32	Supplying, fitting and fixing MS grill made of 20 x 6 mm MS flat as per approved design and drawing, property fabricated with joints continuous fillet welded and finished smooth, hoisting carrage of grill to worksite hoisting as per building soecification and directuion of E/I.	Kg	48.25	2112.00 kg	101904.00
33	Supplying, fitting and fixing local make collapsible gate of aaproved size and make properly fabricated with vertical double cannels 20 x 10x 2 mm at 100 mm centers and braced with MS flat diagnosils with top up and bottom rails of T. iron 40 x 40 x 6 mm 38 mm dia steal polleys complete with bolts nuts locking arrangements sleepers handles including applying a priming coat of rod lead paint carrage hoisting and taxes all complete as per building spevcfication and direction of E/I.	sqm	2057.55	67.00 sqm	137855.85

SN	Item	Unit	Rate	Qty.	Amount
B.F.					9954183.86
34	Supplying, facing and fixing local make fully glazed steal door, windows or ventilation of standard rolled 'Z' and mullion steel section and size as per IS-36 joints met welded with 100x16x3 mm MS lug fixed in cement concrete (1:2:4) blocks, 15 x 10 x 10 mm size including cast of oxidised iron fitting with hinges, handle per step catch springs,3 mm thick plane glass pannes with alominium beat and inner frame fixed with lugs with 20 mm long 6.3 mm GI counter sunk machine screw and nuts and applying a coat of rod lead point carrage to work site hoisting and placing in all position in all storys and taxes all complete as per building speciffication and direction of E/l.	sqm	1750.45	176.00 sqm	308079.20
35	Providing and fixing fan hook of 16 mm diaTMT MS bar 1 meter long bent to requird size and shape placed in position and fixed in RCC slab / beam at the time of casting all complete building as per specification and direction of E/l.	per /m2	72.25	114 no.	8236.50
36	Providing TMT steel reinforcement above 8 mm dia reds to 25 mm dia as per approved design and drawing exclooding carrage of M.S. rods (straight or in coils) to work site, cutting, belding and winding with annealed wire with cast of wire removal of rust placing the rods in position all complete as per building specification and direction of E/l.				
	a) 8 mm dia	MT	43724.80	20.618 MT	901517.93
	b) 10 mm dia or 12 mm dia	MT	42974.00	36.600 MT	1572848.40
	c) 16 mm dia	MT	42523.60	23.420 MT	995902.71
	d) 20 mm to 25 mm dia	MT	42523.60	7.890 MT	335511.20
37	Providing 50 mm thick percast RCC M-150 with nominal mix of (1:2:4) jali with approved quality of stone chips 12 mm down will graded and cleen course sand of F.M. 2.5 to 3 with 16 mm thick M.S. as per drawing and design and placing same in position true to plumb and lavel with 6 mm dia M.S. rods placed at regular intervals both horizontally and verticly as required and properly grouted with C.M.(1:3) including cost of curing scaffolding and finishing all complet as per building specification and direction of E/l.	sqm	271.10	130.00 sqm	35243.00

38	Providing 75 x 125 mm, RCC-150 with nominal mix of (1:2:4) hand rail over brick railing with approved quality of stone chips 20 mm to 6 mm size graded and clean course sand of F.M. 2.5 to 3 finished with cement plaster (1:4) with punning including screening, shuffering, mixing the concrete properly and placing in position, striking, curing and finished with rounded edge(but excluding the cost of reinforcement) and taxes all complete as per building specification and direction of E/l.	Mtrs.	86.90	14.00 mtr.	1216.60
jsp.com					C.O. 14112739.40

Page - 8

Cont....d/Page 8

SN	Item	Unit	Rate	Qty.	Amount
B.F.					14112739.40
39	white washing three coats over new surface with approved quality of lime including cost of cleaning surface thoroughly and removing the scales of smoke and mash marks with jhama rubbing, scaffolding, washing of floors and taxes all complete as per building specification and direction of E/l.	sqm	5.50	5664.000 sqm	31152.00
40	Providing two coat of smowceem of approved shade and make over 1 coat of cement on primer on new surface including preaparing the plaster surface smooth with sand paper, soaping, curing and taxes all complete as per building specification and direction of E/l.	sqm	40.95	2410.00 sqm	98689.50
41	Providing primer one coat of approved shade and make over new wooden surface including preparing the surface after cleaning removing dirt,scales, smoke, grease and sand papering including cost of scaffolding and taxes all complete job.	sqm	16.20	271.00 sqm	4390.20
42	Providing two coat of painting with ready mixed over a coat of printer of approved shaped and over new wooden surface including preparing the surface after cleaning removing dirt,scales, smoke, grease and sand papering including cost of scaffolding and taxes all complete job.	sqm	60.05	271.00 sqm	16273.55
43	Providing two coat of painting with ready mixed paint of approved shade and make over steel surface including the surface thoroughly cost of scaffolding and taxes all complete as per building specification and direction of E/l.	sqm	34.70	419.00 sqm	14539.30
44	Supplying, fitting and fitxing MS 40 x 40 mm MS angle hoisting in steps, welded with 6 mm dia and 75 mm long 6 mm dia and MS rods,anchorage fixed in concrete steps at the time of casting including taxes all complete as per direction of E/l.	Mtr.	100.30	62.00 Mtr.	6218.60
45	Supplying, fitting and fitxing aluminium fitting of approved quality and make to door and windows all complete as per specification and directuion of E/l.				
	a) 300 mm ALDROP sliding door x 16 mm dia	each	132.00	38 Nos.	5016.00

46	Earth filling in foundation trenches and plinth in layers not exceeding 150 MM thick will watered, rammed, fully compacted and fan dressed with earth obtained after cutting within a lead of 50 M and lift of 1.5 M all complete as per building specification and direction of E/I.(Mode of measurement compacted volume).	cum	16.00	670.000 cum	10720.00
----	--	-----	-------	-------------	----------

jsp.com

C.O. 14299738.55

Cont...d P/g 9

Page - 9

SN	Item	Unit	Rate	Qty.	Amount
B.F.					14299738.55
47	Earth work in road embankment and shoulders with ordinary soil (vide classification of soil item - B) obtained form borrow pits or any other sources free from logs, stump, roots, rubbish or any other Ingrediants likely to deteriorate oe effect the stability of the embankment. including breaking the clods maximum to 60 mm cube, placing the earth in layer not exceding 225 mm in loose thickness, rough dressing including cost of cutting and removing shrubs and roots falling in borrow area all complete job as per approved design, specification and direction of E/I (Mode of measurement sectional mesurement after required compaciton).				
	a) with initial lead of 30 m and lift of 1.5 m	cum	42.55	450.00 cum	19147.50
48	Providing and fixing on wall face on unplasticised rigid PVC rain water pipe confirming IS: 13592 Tupe A including and jointing and seal ring confirming to IS: 5382 leaving 10 mm gap for thermal expansion (i) single socket pipe :				
	a) 110 mm dia	mtr.	163.40	190.00 mtr.	31046.00
49	Prociding and fixing on wall face on unplasticised rigid PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes confirming to IS: 13592 Tupe A including and jointing and seal ring confirming to IS: 5382 leaving 10 mm gap for thermal expansion (i) single socket pipe :				
	a) Coupler - 110 mm	each	101.65	10 No	1016.50
	b) Bend 110 mm dai	each	134.20	58 No	7783.60
	c) Shoe(Plain) - 110 mm	each	263.10	50 No	13155.00
50	Providing and fixing corrugated 6 mm thick 1.5 m to 3.2 m long CA sheet roofing proper slop including the cost og J or L hooks limpet and Bitumin washer carrage of shdet to work side and taxes all complete as per building specification and direction of E/I.	sqm	241.40	75.000 sqm	18105.00

51	Providing and fixing 25 mm thick bituministic Board(shalitex and equivalent) as per IS: 1838-1983 in expansion or construction joint all complete job as specificstion and direction of E/i.	sqm	735.40	28.110 sqm	20672.09
52	Providing and fixing 12 mm thick cement plaster 1:3 for black board making	sqm	76.15	75.000 sqm	5711.25
				Total Rs.	14416375.49

jsp.com

Cont...d P/g 10

Page 10

SANITARY INSTALLATION FOR HIGHER SECONDARY SCHOOL :-

SN	Item	Unit	Rate	Qty.	Amount
1	Supplying, fitting and fixing vitreous white glazed earthen ware I.W.C. of parry Hindustan or any other I.S.S. approved make with 100 mm HCl 'p' trap 15 liters C.I. Pull and let go fiushing cistem of names or other I.S.S. equivalent make, complete with all fittings, C.I. or cc brackets 32 mm alkathene / PVC telescopic flush, pipe about 2 M long with one brass coupling and clamps G.I. chain and pull including suplying and fixing a pair of viterous white glazed earthenware ware footrest to be fixed in floor 15 mm C.I. body brass spindle stoep cock of weight not less than 50 gms, 15 mm PVC connection pipe 450 mm long and the exposed pipe and cistern with two coats of approved paint over a coat of red oxide primer etc. all complete as per specification and directuin of E/l. 580 mm long				
	a) with 12.5 litre low level PVC cistern.	each	3579.65	10 Nos.	35796.50
2	Supplying, fitting and fixing flat back or angular, tipped front viterous white glazed earthen ware urinal of Hindustan Parry or any other approved I.S.S. make with 5 litres capacity C.I. Automatic fiushing cistem of reliance for any other I.S.S. approved make with all fittings with C.I. or R.S. brackets, standard size G.I. flush pipe with fitting clamps, 15 mm C.I. body brass spindile stop cock of approved quality weight not less than 400 gms, 15 mm PVC /Alkthene pipe 450 mm longwith brass coupling at both ends and doing plumber joints including painting of exposed part with two coats of approved paint over a priming coat of red oxide, cutting wall and floor, making good the same etc. all complete as specification and direction of E/l.				

	a) Flat back or standing corner (450mm x 350mm)	each	2192.45	4 Nos.	8769.80
3	Supplying ,fitting and fixing vitreous white glazed earthen ware wash hand basin of parry or Hindustan or any other ISI mark approved make supported on pointed C.I. or R.S. brackets 32 mm C.I. brass waste 15 mm dia C.I. body brass spindle stop cock of approved quality of weight not less than 350 gms 32 mm PVC waste pipe 750 mm long with brass coupling at one end and making plumber joints etc. all complete as per specification and direction of E/I.	each	1351.85	10 Nos.	13518.50
jsp.com					C.O. 58084.80

Cont..d P/g 11

SN	Item	Unit	Rate	Qty.	Amount
B.F.					58084.80
4	Supplying fitting and fixing white glazed fire's clay sink of approved make with overflow arrangements supported on C.I. or R.S. painted brackets 40 mm dia C.P.brass waste with C.P. brass chain and rubber plug , 40 mm dia PVC waste pipe about 750 mm long with brass coupling at one end and 15 mm C.I. body brass spindile bib cock of approved quality of weight not less 450 gms including cutting wall and making good the same etc. all complete as per specification and direction of E/I.				
	a) kitchen sink 600mmx450mmx250mm	each	3583.95	1 Nos.	3583.95
5	Supplying,fitting and fixing HCl pipes with ear of approved make confirming to ISI 1729 including supplying nails and bobbins short pieces, cutting loose collars, lead and yarn for making lead caulked joints, cutting pipes to size including earth work or scaffolding where necessary etc. all complete as per specification abd direction of E/I.				
cp	a) 100 mm dia	mtrs	539.30	50.000 mtrs.	26965.00
wd	b) 75 mm dia	mtrs	400.75	95.000 mtrs.	38071.25
6	Supplying and fixing heel rest sanitary bend: Sand cast Iron S&S as per IS - 1729				
	i) 100 mm dia	each	244.50	6 Nos.	1467.00
	ii) 75 mm dia	each	204.20	12 Nos.	2450.40
7	Providing and fixing single equal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
	a) 100x100x100 mm dia	each	374.60	5 Nos.	1873.00
	b) 75x75x75 mm dia	each	283.15	5 Nos.	1415.75
8	Providing and fixing plain bend of required degree sand cast Iron S&S as per IS-1729:				
	a) 100 mm dia	each	222.45	16 Nos.	3559.20

	b) 75 mm dia	each	175.15	32 Nos.	5604.80
9	Providing and fixing terminal guard: sand cast Iron S&S as per IS- 1729:				
	a) 100 mm dia	each	192.25	2 Nos.	384.50
	b) 75 mm dia	each	139.15	12 Nos.	1669.80
10	Providing and fixing collar: Sand cast Iron S&S as per IS - 1729:				
	a) 100 mm dia	each	143.45	8 Nos.	1147.60
	b) 75 mm dia	each	107.80	8 Nos.	862.40
11	Providing and fixing single unequal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete: Sand cast Iron S&S as per IS - 1729:				
	a) 100x100x75 mm dia	each	402.50	8 Nos.	3220.00

jsp.com

C.O. 150359.45

Cont..d P/g 12

Page - 12

SN	Item	Unit	Rate	Qty.	Amount
B.F.					150359.45
12	Providing and fixing trap of self cleaning design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : Sand cast Iron S&S as per IS - 1729:				
	a) 100 mm inlet and 100 mm outlet	each	442.10	16 Nos.	7073.60
13	Providing and fixing MS holder-bat clamps of approved design to sand cast iron/(spun) pipe embedded				
	a) 100mm dia pipe	each	65.35	25 Nos.	1633.75
	b) 75 mm dia pipe	each	63.00	25 Nos.	1575.00
14	Making holes in walls for laying HCI Pipes and restoring the same after pipe laying as per specification and direction of E/I.				
jh	i) 375 mm dia	each	60.45	25 Nos.	1511.25
15	Supplying materials and labour for painting the exposed HCI Pipes and fittings with 2 coats of approved paint over a coat of red oxide primer etc. all complete as per specification and direction of E/I.				
	i) 80 mm dia	P/mtr.	19.50	55.000	1072.50
	ii) 100 mm dia	P/mtr.	23.40	30.000	702.00
16	Earth work in excavation for laying of different types and sizes of RCC spun pipes with disposal of excavated earth with initial lead & lift as per specification direction of E/I..	cum	67.35	50.000	3367.50
17	Earth work in back filling the trenches after laying different types and sizes of RCC spun pipes with earth removed during excavation within initial lead lift as per specification and direction of E/I.	cum	27.50	28.000	770.00
18	Supplying fitting and fixing the following items complete with all materials as per specification and direction of E/I.				
	i) Mirrors of 6 mm thick plate glass bevelled edge				
	ii) 600mm x 450 mm	each	1030.55	10 Nos.	10305.50

19	Providing and laying and joining glazed stoneware pipes grade'A' with stiff mixture of cement mortar in the proportion of 1:1 including testing of joints etc. complete.				
	a) 150 mm dia	P/mtr.	151.65	132.000	20017.80
	b) 200 mm dia	P/mtr.	247.15	50.000	12357.50
20	Providing and laying cement concrete 1:5:10 (1 cement:5 coarse sand:10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design:				
	a) 150 mm dia	P/mtr.	255.10	120.000	30612.00
	b) 200 mm dia	P/mtr.	299.85	48.000	14392.80

jsp.com

C.O. 255750.65

Cont..d P/g 13

SN	Item	Unit	Rate	Qty.	Amount
B.F.					255750.65
21	Constructing brick masonry manhole in cement mortar 1:4 (1 cement:4 coarse sand) RCC top slab with 1:2:4 mix (1 cement:2 coarse sand: 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:4:8 mix (1 cement :4 coarse sand :8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design: (with F.P.S. bricks class designation 75)				
	i) Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg).	each	5383.70	6 Nos.	32302.20
	ii) Inside size 120x900x900 cm deep including C.I. cover with frame (medium duty) 500 mm internal dimensions total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg).	each	11882.20	7 Nos.	83175.40
22	Extra for depth manholes : (with F.P.S. bricks class designation 75)				
	a) Size 900x800 cm	mtrs.	2654.00	3.000	7962.00
	b) Size 120x900 cm	mtrs.	3179.95	5.000	15899.75
23	Providing lead caulked joints to sand cast Iron pipes and fittings:				
	a) 100 mm	each	126.50	28 Nos.	3542.00
	b) 75 mm	each	107.80	53 Nos.	5713.40
Total					Rs. 404345.40

jsp.com

SEPTIC TANK FOR HIGHER SECONDARY SCHOOL :-

SN	Item	Unit	Rate	Qty.	Amount
1	Earth work excavation in foundation trenches in hard soil (vide classification of soil item-A) and disposal of excavated earth a obtained to a distance up to 50 M including all lifts with leveling ramming the foundation trenches removing roots of trees shrubs all complete as per approved design and per building specification and direction of E/l.	cum	48.05	55.00 cum	2642.75
2	Providing PCC/RCC M-75 with nominal mix of (1:4:8) in foundation and plinth with approved quality of stone metal grad III (53.2 mm to 22.4 mm size) and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in cement mixer and placing in position, vibrating,striking,curing, tax and royalty all complete job as per building specification and direction of E/l.	cum	2267.20	7.600 cum	17230.72
3	Providing brick work in cement mortar (1:6) in foundation and plinth with class 75 B work in cement mortar(1:6) in foundation and plinth with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10 mm thick mortar joints, cost of screening materials raking out joints to 15 mm depth curing taxes and and royalty all complete job as per building specification and direction of E/l	cum	1930.95	11.000 cum	21240.45
4	Providing designation 125 mm thick reinforcement designation 75 A brick work in cement mortar (1:4) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including cost of screening carriage of materials, raking out joints to 15 mm depth curing taxes and royalty (But excluding the cost of reinforcement) all complete as building specification and direction of E/l.	sqm	281.10	6.000 sqm	1686.60

5	Providing RCC M-150 with nominal mix of (1:2:4) in lintel with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in cement mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement) taxes and royalty all complete job as per building specification and direction of E/l.	cum	4224.70	0.150 cum	633.71
6	Providing RCC M-150 with nominal mix of (1:2:4) in roof slab with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in cement mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement) taxes and royalty all complete job as per building specification and direction of E/l.	cum	4430.40	2.800 cum	12405.12

jsp.com

C.O.

55839.35

Cont..d P/ 15

Page - 15

SN	Item	Unit	Rate	Qty.	Amount
B.F.					55839.35
7	Providing 25 mm thick First class patent stone flooring (1:2:4) with stone chips in two layers, bottom layer 19 mm thick (1:2:4) with 12 mm to 6 mm down stone cheeps in pannels including cost of curing, finishing the surface smooch by rubbing with carborandom stone taxes and royalty with all complete as per building specification and direction of E/l.	sqm	141.35	23.00 sqm	3251.05
8	Providing 12 mm thick cement plaster (1:6) with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty as per building and direction of E/l.	sqm	60.45	55.00 sqm	3324.75
9	Providing 1.5 mm cement punning including curing carrage of water with all leads and lifts as per building specification and direction of E/l.	sqm	23.35	55.00 sqm	1284.25
10	Supplying materials and labour for fixing 20 mm dia M.S. bar steps in stening well of 0.3 m interval and staggered in (1:2:4) cement concrete including scaffolding and curing etc. all complete as per specification and direction of E/l.	each	153.15	8.00 nos.	1225.20
11	Supplying mixing CICKO powder cement mortar all complete as per specification and direction of E/l.	Kg	24.20	10 kg	242.00
12	Providing TMT reinforcement above 8 mm MS bar as per approveed design and drawing excluding carriage of MS bar to work site,curing,bending end binding with annealed wire with cost of wire removal of rust placing the rols in position all complete as per building specification and direction of E/l.	MT	43724.80	0.251 MT	10974.92

13	Making soak pit 2.5 mm diameter 3.00 metre deep with as 45x45 cm dirty brick honey comb shaftft with bricks of class designations 75 and SW drain pipe 100 mm diameter, 1.8 m long complete as per standard design.	each	9938.65	1 nos.	9938.65
jsp.com				Total Rs.	86080.17

Cont..d p/ 16

WATER SUPPLY FOR HIGHER SECONDARY SCHOOL

SN	Item	Unit	Rate	Qty.	Amount
1	Supplying G.I. Pipe & fittings(TATA make or equivalent)				
	a) 15 mm dia	Mtr.	95.15	50.00 Mtrs.	4757.50
	b) 20 mm dia	Mtr.	119.90	100.00 Mtrs.	11990.00
	c) 25 mm dia	Mtr.	162.80	40.00 Mtrs.	6512.00
	d) 40 mm dia	Mtr.	234.30	100.00 Mtrs.	23430.00
2	Supplying labour and tools for fixing G.I. Pipes with Red lead and yarn of following nominal bore with screwed and socketted joints on wall, ceiling and floor including supplying and fitting of wall hooks or pipe claims, wooden plugs, cutting pipes to size and threading ends if required etc. all complete as per specification and direction of E/I.(Pipe with socket to be supplied departmentally free of cost).				
	a) 15 mm dia nominal bore	Mtrs.	16.25	50.00 Mtr	812.50
	b) 20 mm dia nominal bore	Mtrs.	16.50	100.00 Mtr	1650.00
	c) 25 mm dia nominal bore	Mtrs.	16.80	50.00 Mtr	840.00
	d) 40 mm dia nominal bore	Mtrs.	27.85	25.00 Mtr	696.25
3	Laying of G.I.pipe of approved make in trenches with lead and yarn with socket and screw joints and cutting pipes to sizes and threating ends where necessary etc. all cpmplete as per specification and direction of E/I. (Pipes to be supplird departmentally free of cost.)				
	a) 40 mm dia G.I. Pipe	Mtrs.	8.70	75.00 Mtr	652.50
4	Earth work in excavation (As per I.S. 3114/1965 for laying of different types and sizes pf pipes so as to give one meter average cover over the socket of pipe with disposal of excavated earth within initial lead and lift as per specification and direction of E/I.				

	a) 40 mm dia G.I. Pipe	cum	33.00	14.00	cum	462.00
5	Earth work in back filling the trenches after laying different types and size of pipes with earth removed during excavation within initial lead and lift as per specification and direction of E/I.(For classification for soil item - A & B).	cum	27.50	12.00	cum	330.00
6	Providing and fixing male ended 15 mm dia brass bib cock of approved quality (wt. Not less than 350 gms.) with extra socket all complete as per specification and direction of E/I.	each	223.30	19.00	nos.	4242.70
7	Providing and fixing 15 mm dia size C.P. brass pillar cock (weight not less than 350 gms.) C.I. Body brass spindle pillar cock of approved quality as per specification and direction of E/I.	each	674.10	10.00	nos.	6741.00
jsp.com						C.O. 63116.45

Cont...d P/g 17

SN	Item	Unit	Rate	Qty.	Amount
					B.F. 63116.45
8	Supplying labour and tools for fixing G.I. Pipes with Red lead and yarn of flooring nominal bore with screwed and socketted joints on wall, ceiling and floor including supplying and fitting of wall hooks or pipe claims, wooden plugs, cutting pipes to size and threading ends if required etc. All complete as per specification and direction of E/I.				
	ELBOW :- a) 15 mm dia	each	27.50	5.00 nos.	137.50
	b) 20 mm dia	each	36.60	10.00 nos.	366.00
	c) 25 mm dia	each	53.25	4.00 nos.	213.00
	d) 40 mm dia	each	94.60	4.00 nos.	378.40
	Tea :- a) 15 mm dia	each	35.20	4.00 nos.	140.80
	b) 20 mm dia	each	46.50	10.00 nos.	465.00
	c) 25 mm dia	each	65.35	4.00 nos.	261.40
	d) 40 mm dia	each	114.40	4.00 nos.	457.60
	Reducing Tee :- a) 15 mm dia	each	46.60	8.00 nos.	372.80
	b) 20 mm dia	each	48.85	4.00 nos.	195.40
	c) 25 mm dia	each	63.40	4.00 nos.	253.60
	d) 40 mm dia	each	122.40	5.00 nos.	612.00
	UNION SOCKET :- a) 25 mm dia	each	86.25	4.00 nos.	345.00
	b) 40 mm dia	each	149.60	3.00 nos.	448.80
	Bend with Sockete :- a) 15 mm dia	each	41.80	10.00 nos.	418.00
	b) 20 mm dia	each	52.00	5.00 nos.	260.00
	c) 25 mm dia	each	75.25	4.00 nos.	301.00
	d) 40 mm dia	each	133.10	2.00 nos.	266.20
9	Supplying, fitting and fixing the following items complete with all materials as per specification and direction of E/I.				
	i) C.P. brass soap dish container medium quqlity with screw and hinges etc.	each	111.25	5 nos.	556.25
10	Providing and fixing brass Stop cock of approved quality all complete as per specification and direction of E/I.				

	a) 15 mm dia	each	179.30	3 nos.	537.90
	a) 20 mm dia	each	235.70	3 nos.	707.10
	a) 25 mm dia	each	323.85	4 nos.	1295.40
	b) 40 mm dia	each	639.10	2 nos.	1278.20
11	Providing and fixing at roof tarace of building, Polythene water store tank of I.S.I. Mark				
	a) 3x1000 liter = 3000	Per/Ltr.	4.95	3000.00 mtrs.	14850.00
	b) 2x500 liter = 1000	Per/Ltr.	4.95	1000.00 mtrs.	4950.00
jsp.com				Total Rs.	93183.80

Contd.. p/18

APPROACH ROAD

SN	Item	Unit	Rate	Qty.	Amount
1	Earth work in road embankment and shoulders with hard soil (vide classification of soil item -A) obtained from borrow pits or any other sources free from logs, stumps, roots, rubbish or any other Ingredients likely to deteriorate or effect the stability of the embankment. Including breaking with all leads and lifts including breaking the clods maximum to 60 mm cube, placing the earth in layer not exceeding 225 mm in loose thickness rough dressing including including cost of cutting and removing shrubs and roots falling in borrow area all complete job as per approved dexign, specification and direction of E/l (Mode of measurement special measurement after required compaction.) With initial lead of 30 mtr. and lift of 1.5 mtr.	cum	42.55	135.00 cum	5744.25
2	Providing designation 75 B brick on brick flat soling jonts filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/l.	sqm	105.20	600.000 sqm	63120.00
3	Providing PCC M-150 with nominal mix of (1:2:4) in foundation and plinth with approved quality of stone chips 20 mm to 56 mm size graded and cleen course sand of F.M. 2.5 to 3 including screening, shuffering, mixing cement concrete mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty all complete job as per building specification and direction of E/l.	cum	3456.05	90.000 cum	311044.50

4	Providing and fixing in position bituman filter (bitumen, cement and sand) in construction joint in barrage and its allied works as per specification and direction of E/I.	per100 m	133.75	900.00 m	1203.75
				Total Rs.	381112.50

jsp.com

Contd.. p/19

INTERNAL ELECTRIFICATION FOR HIGHER SECONDARY SCHOOL

SN	Item	Unit	Rate	Qty.	Amount
1	Point wiring in PVC conduit, with piano type switch : Wiring for light point/fan point/exhaust fan point/call bell point with 1.5 sq. mm Fr PVC insulated copper conductor single core cable in surface / recessed PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc. as required.				
	1.8.1 Group A	Point	264.00	66.00 Point	17424.00
	1.8.2 Group B	Point	305.00	115.00 Point	35075.00
	1.8.3 Group C	Point	397.00	113.00 Point	44861.00
2	S/F piano type switch / socket : Supplying and fixing following piano type switch/socket on the existing switch box / cover including connections etc. as required.				
	3 pin 5/6 amp. Socket outlet	each	21.00	16 nos.	336.00
	6 Pin 15/16 amp. Socket out let	each	43.00	5 nos.	215.00
3	S/F ceilling rose: Supplying and fixing 3 pin 5 amp. Ceilling rose on the existing junction box/ wooden block including connection etc. as required.				
		each	19.00	114 nos.	2166.00
4	Supplying and fixing brass batten angle holder moulding connection etc. as required.				
		each	33.00	56 nos.	1848.00
5	Circuit/sub-main wiring in PVC conduit : wiring for circuit / submain wiring alongwith earth wire with for following sizes of PVC insulated copper conductor, single core cable in surface / recessed PVC conduit as required.				
	a) 2x4sq. Mm +1x4 sq. mm earth wire	mtr.	97.00	280.00 mtr.	27160.00
	b) Sub main wiring 1x10 sqm	mtr.	171.00	350.00 mtr.	59850.00
6	S/F TPN tap of box wiyh HRC fuses:				

	Supplying installing testing and commissioning of T.P.N. tap off box of following capacity on existing rising mains and complete with HRC fuse links, Interconnections, earthing as required. 100 amps. TPN	each	9185.00	2 nos.	18370.00
7	S/F distrivution tap-off box with HRC fuses: Supplying installing testing and commissioning of distribution tap off box of following capacity on existing rising mains and complete with HRC fuse links, Interconnections, earthing as required. 16 amps. TPN 4 way	each	4882.00	9 nos.	43938.00
8	P/F GI lighting conductor tape in vertical run. Providing and fixing G.I. Tape 20 mm x 3 mm thick or Parapet or surface of wall for lighting conductor complete as required (for vertical run).	mtr.	43.00	150.00 mtr.	6450.00
9	Supplying 48" ceiling fan, usha make only.	each	1000.00	114 nos.	114000.00
10	Supplying double rod Tueb light (Philips make)	each	475.00	130 nos.	61750.00
11	Supplying Exatffan crompton make only 12" size	each	1240.00	5 nos.	6200.00

jsp.com

C.O. 439643.00

Contd.. p/20

Page - 20

SN	Item	Unit	Rate	Qty.	Amount
				B.F.	439643.00
12	ITC ceiling fan : Installing testing and commissioning of ceiling fan including wiring the down rods of standard length (up to 30 cm) with 1.5 sqmm FR PVC insulated copper conductor, single core cable etc. as required.	each	45.00	114 nos.	5130.00
13	ITC fluorescent fitting directly on surface: Installation, testing and commissioning of pre-wired, fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/wall including connection with 1.5 sqmm FR PVC insulated copper conductor single core cable and earthing etc. as required.	each	43.00	130 nos.	5590.00
14	ITC exhaust fan up to 4.50 mm sweep: Installation of exhaust fan up to 450 mm sweep in the existing opening, including making the hole to suit the size of above fan, making good the damage connection testing and commissioning etc.as required.	each	223.00	5 nos.	1115.00
15	Copper earth plate electrode: Earthing with copper earth plate 600mmx600mmx3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc.(but without charcoal or coke and salt) as required.	set	3263.00	1 set	3263.00
16	Salt charcoal for plate earth electrode: Extra for using salt and charcoal for G.I. or copper plate earth electroed as required.	set	603.00	1 set	603.00
17	P/F M.V.danger notice plate.				

	P/f M.V .danger notice plate of 200 mmx 150 mm made of mils steel at leasr 2 mm thick and viterous enamel white on both sides and with inscription in single red colour on front side as required.	each	68.00	1 nos.	68.00
18	Supplying & Laying aluminium armoured cable for connection from pole to school building and stop etc. as required.150 sqm x 3.5 core	/mtr.	1195.69	100.00 mtr.	119569.00
19	S/F MCCB in cubical pannel board: Supplying and fixing flowing rating and breaking capacity MCCB in existing cubical pannel board including drilling holes in cubical pannel making connection etc.as required. 100 Amp 16 KA	each	2361.00	2 nos.	4722.00
20	S/F TP MCB DB : Supplying and fixing following way three pole and neutral sheets steel MCB distribution board 415 bolts on surface/eaces,complete with tinned, copper nusnar, nutral busbar, earth bar, din bar, det cable gland plate, interconnections, phospatixed and powder painted including earthing etc, as required(but without MCB/RCCB/Isolater 8 way(4+24) double door horizontal type.	each	1803.00	2 nos.	3606.00
jsp.com					Total Rs. 583309.00

Cont..d P/g 21

Carriage of materials (Higher Secondary School) :-

S.N.	Item of Work	Unit	Rate	Qty.	Amount
1	Carriage of material by Truck including loading unloading and stacking at site as direction of E/l.				
	a) Cement 18 km	MT	150.56	565.00 MT	85066.40
	b) Bricks 20 km	%0 Nos.	640.89	900000.00 %0 Nos.	576801.00
	c) Sand 45 km	cum	422.18	1070.00 cum	451732.60
	d) Stone aggregate 40 mm 12 km	cum	211.66	370.00 cum	78314.20
	e) Stone aggregate 20 mm 12 km	cum	194.30	940.00 cum	182642.00
	f) Steel - 10 km	MT	111.76	91.00 MT	10170.16
jsp.com					Total Rs. 1384726.36

|
|