
DISTRICT RURAL DEVELOPMENT AGENCY

JHARSUGUDA



PR & DW DEPARTMENT, ODISHA

BID DOCUMENT

Name of the Work : Improvement of Pakelpada High School.

Name of the Block : Laikera

Name of the District: Jharsuguda

Estimated Cost : Rs 44,61,000.00

Tender Value : Rs 39,61,763.00

Schedule of quantity for the work :- Imp. of PAKELPADA HIGH SCHOOL .

Sl. No.	Item of work	ACR & H.M. ROOM	Dinning Hall	Girl's & Boy's common Room combine	Unit	Estimated Rate in Rupees		Amount
						Figure	words	
1	2	3	4	5	7	8	9	10
1	Earth wok in excavation of foundation in hard soil Within initial lead of 50m.and 1.5m.initial lift Including rough dressing and leveling the bed.							
	GROUND FLOOR	52.141	32.959	46.115	cum	184.590	Rupees One Hundred Eighty Four And Paise Fifty Nine Only	24221.00
2	Filling in Foundation and Plith with sand watered and rammed including cost, carriage & royalty etc. complete.							
	GROUND FLOOR	69.104	59.115	73.433	cum	328.27	Rupees Three Hundred Twenty Eight And Paise Twenty Seven Only	66196.00
3	Cement Concrete(1:3:6)with 4 Cm..size H.G.Crusher broken metal including cost. Carriage & royalty etc. complete.							
	GROUND FLOOR	16.928	12.339	16.836	cum	4170.08	Rupees Four Thousand One Hundred Seventy And Paise Eight Only	192253.00
4	Fly ash Brick masonry in C.M. (1:6) in foundation & Plinth including cost conveyance and royalty of all materials complete.							
	GROUND FLOOR	17.746	11.132	18.482	cum	4157.24	Rupees Four Thousand One Hundred Fifty Seven And Paise Twenty Four Only	196887.00
5	MS reinforcement for RCC work including cutting,bending, binding and tying the grills and placing in position including cost of binding wire 18 to 20gauge & rod							
	GROUND FLOOR	32.509	30.568	36.101	qtl	6640.69	Rupees Six Thousand Six Hundred Forty And Paise Sixty Nine Only	658610.00
6	RCC work of M 20 grade with 20 mm and down grade black hard granaite (Crusher Brocken) stone chips including hosting and laying							

	GROUND FLOOR Coloumn base, coloumn upto PL & Grade beam	11.085	9.494	12.633	cum	4726.71		156983.00
7	Fly ash Brick masonry in C.M. (1:6) in super structure including cost conveyance and royalty of all materials complete.							
	GROUND FLOOR	32.00	17.492	31.601	cum	4190.57	Rupees Four Thousand One Hundred Ninety And Paise Fifty Seven Only	339826.00
8	RCC work of M 20 grade with 20 mm and down grade black hard granaite (Crusher Brocken) stone chips including hosting and laying							
	GROUND FLOOR							
	Coloumn from PL to RL	2.172	2.097	2.715	cum	11269.93	Rupees Eleven Thousand Two Hundred Sixty Nine And Paise Ninety Three Only	78709.00
	Window sill, lintel	2.903	2.290	3.055	cum	8986.85	Rupees Eight Thousand Nine Hundred Eighty Six And Paise Eighty Five Only	74124.00
	chajja	0.855	1.800	1.157		5388.20	Rupees Five Thousand Three Hundred Eighty Eight And Paise Twenty Only	20540.00
9	RCC work of M 25 grade with 20 mm and down grade black hard granaite (Crusher Brocken) stone chips including hosting and laying							
	GROUND FLOOR							
	C.Roof Beam	0.366	2.058	0.732	cum	11581.21	Rupees Eleven Thousand Five Hundred Eighty One And Paise Twenty One Only	36550.00
	RCC Wall Beam	2.178	1.410	2.247	cum	9298.14	Rupees Nine Thousand Two Hundred Ninety Eight And Paise Fourteen Only	54255.00
	RCC in roof slab	12.950	11.419	13.562	cum	9826.44	Rupees Nine Thousand Eight Hundred Twenty Six And Paise Forty Four Only	372727.00
10	16 mm. thick cement plaster in cement mortar(1:6) over brick machinery with all finishing curing per Sqm.							

	GROUND FLOOR	164.252	103.798	167.918	sqm	194.57	Rupees One Hundred Ninety Four And Paise Fifty Seven Only	84826.00
11	12mm.thick Cement Plaster in C.M.(1:6) including cost, carriage & royalty etc. complete.							
	GROUND FLOOR	202.63	142.639	207.054	sqm	136.60	Rupees One Hundred Thirty Six And Paise Sixty Only	75447.00
12	6mm.thick Cement Plaster(1:4)to R.C.C.surface finished smooth including closed deep chipping and slurry treatment including cost, carriage & royalty etc. complete.							
	GROUND FLOOR	108.163	113.779	121.585	sqm	150.75	Rupees One Hundred Fifty And Paise Seventy Five Only	51787.00
13	Supplying fitting & fixing MS Grill Doors and windows made out of structure steel flat etc.	945.178	716.400	1137.00	kg	118.07	Rupees One Hundred Eighteen And Paise Seven Only	330428.00
14	Labour charges for fixing door, Windows shutter	28.671	26.640	34.152	sqm	528.34	Rupees Five Hundred Twenty Eight And Paise Thirty Four Only	47267.00
15	Supplying, fitting, fixing up window (sliding type)made up aluminium section		21.600		sqm	5764.93	Rupees Five Thousand Seven Hundred Sixty Four And Paise Ninety Three Only	124522.00
16	Supplying fitting and fixing SS hand rail for ramps including all cost labour etc	9.146		6.098	rmtr	3495.11	Rupees Three Thousand Four Hundred Ninety Five And Paise Eleven Only	53279.00
17	Fixing V.Tiles in dados skirting and risers of steps on12mmthick cement plaster (1:3) jointed.....polishing complete including cost of precast tiles.							

	GROUND FLOOR	19.839	5.122	10.985	sqm	1283.33	Rupees One Thousand Two Hundred Eighty Three And Paise Thirty Three Only	46131.00
18	Fixing V.Tiles in floors treads steps and landing on 20mm thick bed of cement mortar (1:4) jointed.....polishing complete including cost of precast tiles .							
	GROUND FLOOR	81.233	74.360	85.518	sqm	1283.33	Rupees One Thousand Two Hundred Eighty Three And Paise Thirty Three Only	309425.00
19	Fixing Chequered Tiles in treads steps on 25mm thick bed of cement mortar (1:1) jointed..... complete including cost of precast tiles	12.220		9.989	sqm	778.50	Rupees Seven Hundred Seventy Eight And Paise Fifty Only	17290.00
20	Painting with synthetic paint of approved quality and over surface with two coats over one coat of primer.etc.							
	GROUND FLOOR	42.676	43.740	51.132	sqm	187.11	Rupees One Hundred Eighty Seven And Paise Eleven Only	25737.00
21	Distemping 2 coats to walls with distemper of approved shade on new work							
	GROUND FLOOR	308.195	218.624	335.659	sqm	121.10	Rupees One Hundred Twenty One And Paise Ten Only	104446.00
22	Wall painting two coats with any approved quality of weather seal coat over a coat of priming on new work to give an even shade including cost of all materials,labourrequired for the work complete.							
23	GROUND FLOOR	150.52	157.668	164.323	sqm	128.85	Rupees One Hundred Twenty Eight And Paise Eighty Five Only	60884.00
								3603350.00

Say, Rs.
(Rupees thirty six Lakhs three thousand three hundred and fifty) only

NAME OF THE WORK :- EI to Improvement of Pakelpada High School,Laikera into Model High School.

SI No	Description of items.	Qty.	Unit.	Rate		Amount.
24	Recessed wiring to light/Fan/Exhaust fan/ Call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)					
	(a) Group-A	20	Each	417	Rupees Four Hundred Seventeen Only	8340
	(b) Group-B	28	Each	642	Rupees Six Hundred Forty Two Only	17976
	(c) Group-C	12	Each	924	Rupees Nine Hundred Twenty Four Only	11088

25	Recessed wiring to 5/6amp Plug pt. point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.5 sq.mm FR PVC insulated single					
		9	Each	423	Rupees Four Hundred Twenty Three Only	3,807.00
26	S/F of 5/6A Switch & 3Pin 5/6A Socket On Existing Board.	12	Each	88	Rupees Eighty Eight Only	1056
27	Circuit Sub main wiring in PVC Conduit.					
	2 x 2.5 sq.mm + 1 x 1.5 sq.mm	340	Mtr	140	Rupees One Hundred Forty Only	47600
	2 x 4 sq.mm + 1 x 1.5 sq.mm	110	Mtr	157	Rupees One Hundred Fifty Seven Only	17270
28	S/F of B.K.Angle Holder without Bulb	42	Nos	58	Rupees Fifty Eight Only	2436
29	S/F 10 watt LED Lamp (Bajaj/Philips)	42	Nos	156	Rupees One Hundred Fifty Six Only	6552
					Rupees Nil	
30	S/F of superior Type call bell with push switch	1	Nos	120	Rupees One Hundred Twenty Only	120
31	Supply of A.C Ceiling Fan (Usha/Bajaj/CG)	15	Nos	1384	Rupees One Thousand Three Hundred Eighty Four Only	20760
					Rupees Nil	
32	S/F of Electronic step down Fan Regulator	15	No	267	Rupees Two Hundred Sixty Seven Only	4005
					Rupees Nil	

33	S/F of 20W Tube light.(Make-Havells/Philips/Bajaj/CG).	16	Nos	695	Rupees Six Hundred Ninety Five Only Rupees Nil	11120
34	S/f of Exhust Fan10/12" size heavy duty(Usha/Havells)	1	Each	1686	Rupees One Thousand Six Hundred Eighty Six Only	1686
35	S/F of Earthing with copper plate 600 mm x 600mm x 3.15 mm thick ISI marked including accessories and providing masonary with cover plate having locking arrangement	1	No	5596	Rupees Five Thousand Five Hundred Ninety Six Only Rupees Nil	5596
36	S/F of 63 Amp ICDP Main Switch.(HPL/L&T/Havells)	1	No	1627.91	Rupees One Thousand Six Hundred Twenty Seven And Paise Ninety One Only Rupees Nil	1627.91
37	S/F of 4 way Double door MCB DB.	5	Nos	1189	Rupees One Thousand One Hundred Eighty Nine Only Rupees Nil	5945
38	S/F of 45 W LED street light.(Make-Havells/CG)	2	Nos	6482	Rupees Six Thousand Four Hundred Eighty Two Only Rupees Nil	12964
				TOTAL Rs		179948.9
				Say Rs		179949

PH WORKS/Pakelpada H.S,Laikera

Sino	Description	Qty	Rate		Amount
39	Supplying all materials, labour, T&P and providing and fixing to wall or ceiling and floor GI/PVC pipes, class-IV (10 k.g. F/cm) on firming I.S.4985 of the following nominal bore, tube fittings and clamps including making good the wall, ceiling and floor, testing all complete as per specification and direction				
a	25 mm dia PVC ASTM pipe (sch80)-outlet	30	145.7	Rupees One Hundred Forty Five And Paise Seventy Only	4371
b	32 mm dia PVC ASTM pipe (sch80)-in let	40	189.34	Rupees One Hundred Eighty Nine And Paise Thirty Four Only	7573.6
c	20 mm dia PVC ASTM pipe (sch80)	30	115.37	Rupees One Hundred Fifteen And Paise Thirty Seven Only	3461.1
40	Supplying all materials, labour T&P and fitting and fixing brass/CP fittings of the following nominal bore with supply of all jointing materials including cost & conveyance of all materials to worksite, payment of taxes etc. all complete as per P.H specification and direction				

a	15mm dia CP angle stop cock (Jaquar/Hindware) or equivalent make.	4	695.5	Rupees Six Hundred Ninety Five And Paise Fifty Only	2782
b	15mm dia CP two way bib cock (Jaquar/Hindware) or equivalent make.	0	975	Rupees Nine Hundred Seventy Five Only	0
c	15mm dia CP long body bib cock (Jaquar/Hindware) or equivalent make.	4	733	Rupees Seven Hundred Thirty Three Only	2932
d	15mm dia CP pillar cock (Jaquar/Hindware) or equivalent make.	2	1040	Rupees One Thousand and Forty Only	2088
e	25mm dia brass full way valve (Shakti make)	1	1543	Rupees One Thousand Five Hundred Forty Three Only	1543
f	32mm dia brass full way valve (Shakti make)	1	635	Rupees Six Hundred Thirty Five Only	635
g	25mm dia CP Health Faucet (Jaquar/Hindware) or equivalent make.	0	635	Rupees Six Hundred Thirty Five Only	0
h	15mm CP Extension piece	8	36.7	Rupees Thirty Six And Paise Seventy Only	293.6
i	125mm CP grating	4	36.7	Rupees Thirty Six And Paise Seventy Only	146.8

41	supplying all materials, labour, T&P and cutting holes through existing brick work including making good the damages in cement mortar (1:4) for taking G.I. Pipes and fittings/ P.V.C. pipes and fittings including watering, curing, cost & conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per direction of Engineer-in-charge.	6	42.6	Rupees Forty Two And Paise Sixty Only	255.6
42	Supplying all materials , labour, T&P and cutting holes in RCC floors and roofs upto 19cm thick for passing P.V.C pipes and G.I fittings etc. , and repairing the holes after insertion of pipe etc. with cement concrete (1:2:4) including finishing complete so as to make it leak-proof as per P.H. specification and direction of Engineer-in-charge.	2	147.1	Rupees One Hundred Forty Seven And Paise Ten Only	294.2
43	Supplying all materials, labour, T&P and cutting grooves in pucca floors and walls for taking G.I./P.V.C. pipes and making good the damages including watering , curing , cost & conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per direction of the Engineer-in-charge.	10	157.7	Rupees One Hundred Fifty Seven And Paise Seventy Only	1577

44	Supplying all materials, labour, T&P and fitting and fixing U-PVC SWR soil waste ventilating pipes and fittings of the following outside diameter conforming to ISI No 13592/1992 to walls with nails, bobbins and wooden plugs or laying in trenches including jointing with supply of approved rubber lubricant by non-heat application method/as per manufacturer's specification, testing, earthwork in excavation in all kinds of soil and refilling of trenches , cost & conveyance of all materials to worksite, payment of taxes etc. all complete as per P.H			Rupees Nil	
a	110mm U-PVC SWR Pipe (Ori Plast/Finolex/Supreme Make Type-B)	20	229.3	Rupees Two Hundred Twenty Nine And Paise Thirty Only	4586
b	110mm U-PVC 'P' Trap(Ori Plast/Finolex/Supreme Make)	4	266	Rupees Two Hundred Sixty Six Only	1064
c	110mm U-PVC 'Floor' Trap(Ori Plast/Finolex/Supreme Make)	2	118.23	Rupees One Hundred Eighteen And Paise Twenty Three Only	236.46
d	110mm U-PVC door bend(Ori Plast/Finolex/Supreme Make)	2	136.05	Rupees One Hundred Thirty Six And Paise Five Only	272.1

e	110mm U-PVC Plain bend(Ori Plast/Finolex/Supreme Make)	2	107.33	Rupees One Hundred Seven And Paise Thirty Three Only	214.66
f	110mm U-PVC offset without ear(Ori Plast/Finolex/Supreme Make)	2	115.2	Rupees One Hundred Fifteen And Paise Twenty Only	230.4
g	110mm U-PVC Cowl(Ori Plast/Finolex/Supreme Make)	2	26.46	Rupees Twenty Six And Paise Forty Six Only	52.92
h	110mm U-PVC S/Jn door(Ori Plast/Finolex/Supreme Make)	2	175.35	Rupees One Hundred Seventy Five And Paise Thirty Five Only	350.7
i	110mm U-PVC Plain tee(Ori Plast/Finolex/Supreme Make)	1	115.2	Rupees One Hundred Fifteen And Paise Twenty Only	115.2
j	110mm U-PVC D/Jn door(Ori Plast/Finolex/Supreme Make)	2	221.5	Rupees Two Hundred Twenty One And Paise Fifty Only	443
k	110mm U-PVC Socket(Ori Plast/Finolex/Supreme Make)	15	32.9	Rupees Thirty Two And Paise Ninety Only	493.5

l	Waste pipe for Basin-40mm	2	65.65	Rupees Sixty Five And Paise Sixty Five Only	131.3
m	Inlet pipe for Basin & Cistern-15mm	4	73.32	Rupees Seventy Three And Paise Thirty Two Only	293.28
45	Supplying all materials, labour, T&P and fixing Rotational molded polyethylene cylindrical vertical water storage tanks conforming to IS : 12701--1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc, all complete as per specification and direction of the Engineer in charge	1	10641	Rupees Ten Thousand and Six Hundred Forty One Only	10641
	1000 liter PVC water storage tank (Floor)				
46	supplying all materials, labour, T&P and fixing vitreous china water closet, squatting pan (Indian type W.C pan/Orissa pattern squatting pan) duly embedded in cement concrete (1:5:10) using 4cm size hard granite metal including fixing a pair of vitreous china 250mm x 130mm x30mm footrest, fixing 100mm dia HCl 'p' or 's' trap (with/without 50mm dia horn) for water closet squatting pan including jointing the trap with pan in cement mortar (1:1) cutting the floor and mending good the damages , cost & conveyance of all materials to worksite, payment of royalty , taxes etc. all complete as per P.H specification and direction of the Engineer-in-charge	2	2616	Rupees Two Thousand and Six Hundred Sixteen Only	5232

	580mm size Orissa pan (Hindware/Parryware/Neyc er make)					
47	supplying all materials, labour T&P and and fixing 12.50 liters/10 liters capacity low level flushing cistern with a pair of cast iron or M.S. brackets complete with fittings such as siphonic arrangements 15mm nominal size brass/pvc ball valve with polythene float CP brass handle, unions and couplings for connection with inlet, outlet and overflow pipes, 32mm dia CP long flush bend, 15mm diapvc inlet connection pipe including cutting holes and making good the same and connecting the flush bend with cistern and closet and conncting the inlet pipe with supply main , cost & conveyance of all materials to worksite, payment of taxes etc. all complete as per P.H specification and direction				Rupees Nil	
	10 ltr. Capacity pvc L.L. cistern with 32mm. Dia CP long flush bend (Slimline- white-Parryware make)	2		1486	Rupees One Thousan d Four Hundred Eighty Six Only	2972

48	labour T&P and fixing wash basins with hole for pillar taps with cast iron or M.S.brackets painted white including cutting holes in walls and making good the damages with supply of wooden plugs, screws and cement etc, fixing pedestal for wash basin recessed at the back for the reception of pipes and fittings, fixing PVC waste pipe of 32mm nominal diameter for wash basin including brass check nut complete, fixing pillar taps capstan head screw down high pressure lettered 'Hot' and 'Cold' with long screws, shanks and back nuts of 15mm dia nominal bore, fixing 15mm dia PVC inlet connection pipe and making connection with pillar cocks and supply mains for wash basin, fixing 32mm				Rupees Nil	
	600mmx400mm size wash basin (Hindware/Parryware/Neycer make)with 15mm dia C.P.pillar cock (Plaza make) with pedestal		2	1996	d Nine Hu	3992
49	Supplying all materials, labour, T&P and fixing mirror of superior glass mounted on 6mm.thick A.C. sheet or ply wood sheet and fixed to wooden plugs with CP screws and washers complete as per specification and direction of Engineer in charge.	0	617.6	seventeen	0	
	600mmx450mm size B.E mirror (swivelled type)					
50	Supplying all materials, labour, T&P and fixing CP soap holder complete with CP brass brackets fixed to wooden plugs with CP screws as per specification and direction of the Engineer in charge	2	175	Rupees One Hundred Seventy Five Only	350	
	CP soap holder (Jaquar/Hindware or equivalent make)					

51	Supplying all materials ,labour ,T&P and constructing Inspection Chamber of inside size 760mmx760mmx460mm with cement concrete (1:3:6) using 40mm size crusher broken hard black granite metal on bed , KB brick work in cement mortar (1:6) in foundation and plinth, moulding and shaping the channel inside and benching with cement concrete (1:2:4) using 12mm size crusher broken hard black granite chips, 12mm thick cement plaster (1:3) with cement punning to inside, cement flush pointing (1:3) to outside, R.C.C cover slab (1:2:4) using 12mm size crusher broken hard black granite chips with R.C.C man hole cover, earth work in excavation in all kinds of soil and refilling the cavity around the chamber including watering,curing, cost of all materials, conveyance of all materials to worksite, payment of royalty,all taxes etc.all complete as per approved drawing, P.H specification and direction of Engineer-in-charge				
	Inside size 76cmx76cmx46cm with 18" dia RCC MH cover	2		7523.8	15047.6
52	Supplying, fitting, fixing of Submersible pump set	1	set	36002	36002
53	Sinking of 125x100 mm deep Bore well	1	No	67791	67791
				TOTAL	178464.02

or Say 178464

GRAND TOTAL= ₹3961763.00

(Rupees Thirty nine lakhs Sixty one thousands Seven hundred Sixty Three only)

Total 53 (Fifty Three) Items Only

My/our quoted rate is _____ % (both figure & words) excess over/less than/equal to above estimated cost.

The Contractor should not write anything excepting quoting of percentage and in any case
1 anything else regarding tender

2 Strike out which are not applicable

Percentage quoted by the contractor shall be accurately filled in figures and words so there is
3 no discrepancy.

4 If any discrepancy is found in the percentage quoted in words and figures then the percentage quoted by the contractor in words shall be taken as correct.

The percentage quoted in the tender without mentioning excess or less will be treated as
5 excess.

6 The contractor will write percentage excess or less up to one decimal point only. If he writes the percentage excess or less up to two or more decimal point, the first decimal point shall only be considered.

APPROVED
For 53 (Fifty three) items
only

Contractor

**Block Development Officer
Laikera**

Total 53 (Fifty three)Items Only
No. Of Correction
No. Of Overwriting
No.of interpolation
Approved for _____ items only.

Signature of Contractor

**Block Development Officer
Laikera**