

Tender Call Notice No.02/ZP(SS),Balangir/22-23



Bid Identification No. 01 / ZP, ADP, Balangir / 22- 23

**GOVERNMENT OF ODISHA PR & DW DEPARTMENT
COVER – II (FINANCIAL Bid)**

**BID DOCUMENT FOR
COMPOSITE TENDER OF BUILDING WORKS**

NAME OF THE WORK:

SEASONAL HOSTEL BUILDING AT- NUNHADA UPS UNDER BELPADA BLOCK

OF BALANGIR Dist.

(Civil, EI, PH) ESTIMATED COST : Rs. 11906092.00

ZILLA PARISAD OFFICE ,BALANGIR

BILL OF QUANTITIES

Tender inviting Authority:- CDO-cum-EO,BALANGIR					
Name of The works:- 100 SEATER SEASONAL HOSTEL BUILDING AT NUNHAD UPS UNDER BEMPADA BLOCK					
Bid identification No.01/ZP ADP,Balangir/22-23					
Contractor's Name:					
SECTION -I					
item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
PART - A (FOUNDATION AND PLINTH)					
1	EARTH WORK				
	Earth work in excavation of foundation trenches in ordinary soil except sheet rock and boulders (requiring blasting) including dressing and leveling the bed upto the required depth and depositing the excavated materials away form the site with all leads and lifts. T & P shoring and shuttering if required etc. complete as directed by engineer- in charge.	Cum	419.00	195.40	81872.60
2	SAND FILLING				
	Supplying and filling in foundation and ditches with sand well watered and rammed in layers not exceeding 23 cm in depth with all lead and lift including cost, conveyance, loading and unloading , royalties and taxes of all materials and cost of all labour, sundries. T & P required for the work etc complete in all respect as per direction of Engineer incharge.	Cum	478.37	330.90	158292.60
	Earth filling by excavated earth				
3	CONCRETE WORK P.C.C (1:3:6)				
	Providing & laying plain cement concrete 1:3:6 (1 cement 3 coarse and 6 graded stone aggregate fo 40 mm nominal size) in foundation and pinth including cost of hoisting, lowering laying concrete, ramming , watering and curing etc. complete to required levels laid in layers not exceeding 15cm thick including cost. Conveyance, loading and unloading, royalties and taxes all materials and cost of all labours, sundnes, T & P required for the work complete including dewatering if required as epr instruciton of Engineer-in- charge.	Cum	52.200	4345.80	226850.80

Item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
4	R.C.C. WORK				
	i. Providing , lifting hoisting laying Reinforced cement concrete of M20 grade in column footings , as per approved designs and drawings having a munimum compressive strength (in work test) 200 Kg./ Square cm in 15cm. Cubes at 28 days after mixing and tests conducted in accordance with I.S. 416 using 12mm to 20 mm size black hard crusher broken granite stone ships of approved quality from approved quarry washed and cleaned (20mm size not to exceeds 25%) to be mixed in concrete mixture with ordinary protland cement (OPC) including noisting, lowering lying an dcompacting concrete by susing vibrators, watering and curing for 28 days centering and shuttering and finishing the exposed surface smooth proving grooves or beads wherever necessary including cost conveyance, loading and unloading royalties and taxes of all materials and cost of all labours sunones , T & P required fo rthe work ect complete in all respect excluding cost and conveyance of HYSD/MS steel and binding wires , and labour charges for straightaining, cutting , bending etc of M.S. rods of for steel and binding complete as directed by engineer- in charge.				
A	Column Footing	Cum	52.920	4797.80	253899.60
B	column upto pinth	Cum	6.800	12144.50	82582.60
C	Plinth beam	Cum	20.740	5156.30	106941.70
5	REINFORCEMENT				
	Cold twisted steel reinforcemtn for RCC work including cutting bendingstragntening and binding with 18swg black annealed wire and placing in posting complete.	Qntl	74.450	8840.90	658205.00
6	Fly ash brick masonry (1:6) cement mortar				
	Fly ash brick masonay in cemnet mortar of (1.6) with portland slag cement, watering and curing etc. including cost, conveyance, loading and unloading, royalties and taxes of all materials and cost of all lbaour sundries T& P required for the works etc complete in all respect as directed by the Enginner - in-charge.	Cum	16.650	4354.00	72494.10
7	PLINTH PROTECTION WITH DRAINAGE				
A	EXCAVATION	Cum	80.02	195.40	15635.90
B	SAND FILLING	Cum	64.35	330.90	21293.40
C	P.C.C(1:3:6)	Cum	20.01	4345.80	86959.50

item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
D	Fly Ash brick masonry (1:4) cement mortar	Cum	51.64	4354.00	224840.60
E	P.C.C(1:3:6)	Cum	44.34	4345.80	192692.80
F	12MM CP(1:4) WITH CEMENT PUNNING	Sqm	464.69	161.89	75226.60
				TOTAL A	2257787.80
	PART -B (GROUND FLOOR)				
1	RCC. WORK				
	i. Providing, lifting, hoisting laying Reinforced cement concrete of M20grade in column footings s per approved designs and drawings having a minimum compressive strength (in work test) 200 kg/Square cm. in 15 cm cubes at 28 days after mixing and tests conducted in accordance with I.S. 416 using 12 mm to 20 mm size black hard crusher broken granite stone chips of approved quality from approved quarry washed and cleaned (20 mm size not to exceeds 25%) to be mixed in concrete mixture with ordinary portland cement (OPC) including hoisting, lowering, lying and compacting concrete by using vibrators, watering and curing for 28 days centering and shuttering and finishing the exposed surface smooth providing grooves of beads wherever necessary including cost. conveyance, loading and unloading , royalties and taxes of all materials and cost of all labours , sundries , T &P, required for the work etc. complete in all respect excluding cost and conveyance of HYSD/Ms steel and binding wires and labour charges for straithtaining, cutting, bending etc. of M.S rods of for steel and binding wires and lying the grills and placing in proper position. complete as directed by engineer- in charge.				
A	Column	Cum	11.61	12144.50	140997.60
B	Lintel Band	Cum	4.69	8377.10	39288.60
C	Roof beam	Cum	13.85	10644.50	147426.30
D	Chhajja	Cum	44.02	782.50	34445.70
E	Roof Slab	Cum	47.40	9013.60	427244.60
F	Staircase	Cum	3.52	10144.50	35708.60
2	REINFORCEMENT				

item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
	Cold twisted steel reinforcement for RCC work including cutting bending straihtening and binding with 18swg black annealed wire and placing in position complete	Qntl	89.47	8840.90	790995.30
3	BRICK WORK IN SUPER STRUCTURE				
	Fly ash first class brick masonry using CB bricks having crushing strength not less than 75 kg per squ.cm. in cement mortar of (1:6) with portland slag cement after immersing the bricks for 6 (six) hours in water before use in superstructure similar such type of works with all necessary projections, watering and curing etc. including cost, conveyance, loading and unloading, royaltioes and taxes of all materials and cost of all labour, sundries, T & P required for the works etc complete in all respect as directed by the Engineer-in-charge.				
A	250 mm th brick Wall	Cum	97.15	4171.40	405251.50
B	125 mm thick brick wall with 1:4 cement mortar	Cum	11.78	4171.40	49139.10
4	Providing and laying cement plaster on surface after cleaning the surface taking out point including cost of all materials labour cuting taxes etc complete as per instruction fo architect/ Engineer incharge				
A	12 mm cement plaster 1.6 to out side surface	Sqm	750.63	141.60	106289.20
B	16mm cement plaster 1.6 over brick work to inside walls.	Sqm	701.82	202.40	142048.40
C	6mm cp 1:4 over concrete surface	Sqm	347.630	159.30	55377.50
5	Finishing walls with Distemper of approved shade on new work 2 coats to give an even shade inclduing cost of brushes and putty inclduing cost of paint(per one Sq.Mtr)(for inside)- Distemper complete as directed by engineer- in charge.				
A	Celling	Sqm	347.63	125.70	43697.10
B	Wall	Sqm	701.82	125.70	88218.80
C	Finishing walls with Painting two coats with any approved colour of weather seal coat over a coat of Water Bound Wall cement Primer to out side surface to give an even shade inclduing cost of brushes and putty inclduing cost of paint(per one Sq. Mtr)(out side)	Sqm	750.63	133.60	100284.20
D	Providing and painting two coats of synthetic enamel paints over a coat of primer to steel work including sand papering, scaffolding , cost of conveyance, taxes of all materials. T & P labour required to complete the work as per design/ drawing & instruction of Architect/ Engineer-in- charge.	Sqm	193.21	193.90	37463.40
6	GRADING PLASTER				

Item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
	Providing and laying 20 mm thick grading plaster with CM(1:4) and mixture with water proofing compound of ISI mark @ 2 Kg/bag over roof slab after chipping the same and cleaning the surface by brushing, watering and curing etc. complete as per drawing design and instruction of EIC.	Sqm	27.14	224.40	6090.20
7	Fixing VETRIFIED tiles in floors treads or steps and landing on 25mm thick bed of cement mortar 1:1 (1cement : 1sand) jointed with neat cement slury mixed with pigment o match the shades of the tiles including rubbing and polishing complete excluding cost of precast TILES.complete as directed by engineer- in charge.	Sqm	304.17	961.30	292398.60
8	(MS Doors/ Widndows)				
A	Providng and fixing of FRP(PVC) door including frame and all necessary accessories such as tower blot, handles, hinges etc complete in all respects.	Sqm	18.900	3225.00	60952.50
B	Providng fitting and fixing of M.S.Door/ window frame with integrated grill shutter as per the following design and specificaiton.	Kg	2544.570	92.70	235881.60
C	e. Providing and fixing 6mm thk. Glass to ventilator and staricase window with M.S angle frame and grill of size 18mm x 6 mm flat including all materials labour T & P etc.	Sqm	5.85	1300.00	7605.00
D	Supplying, fitting and fixing of stainless steel of 304 grade in hand railling using 50mm dia of 32mm x 32mm x 2mm @ 0.90mtr C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T & P etc required for the work complete in all respect.	Sqm	9.00	3506.52	31558.70
9	Fixing VETRIFIED tiles in dados skirting on 25mm thick bed of cement mortar 1:1 (1cement : 1sand) jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of precast tile.	Sqm	234.38	1090.80	255661.70
10	Fixing chequered tiles in floors treads or steps and landing on 25mm thick bed of cement mortar 1:1 (1cement : 1sand) jointed with neat cement slury mixed with pigment o match the shades of the tiles including rubbing and polishing complete excluding cost of precast TILES.complete as directed by engineer- in charge.	Sqm	47.28	495.80	23441.40

Item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding)	Total Amount Rs.
11	Fixing of Granite floor for kitchen platform	Sqm	7.50	1741.30	13059.80
				TOTAL B	3570525.40
	PART -C FIRST FLOOR				
1	RCC. WORK				
	i. Providing, lifting, hoisting laying Reinforced cement concrete of M20grade in column footings s per approved designs and drawings having a minimum compressive strength (in work test) 200 kg/Square cm. in 15 cm cubes at 28 days after mixing and tests conducted in accordance with I.S. 416 using 12 mm to 20 mm size black hard crusher broken granite stone chips of approved quality from approved quarry washed and cleaned (20 mm size not to exceeds 25%) to be mixed in concrete mixture with ordinary portland cement (OPC) including ghosting, lowering, lying and compacting concrete by using vibrators, watering and curing for 28 days centering and shuttering and finishing the exposed surface smooth providing grooves of beads wherever necessary including cost. conveyance, loading and unloading , royalties and taxes of all materials and cost of all labours , sundries , T &P, required for the work etc. complete in all respect excluding cost and conveyance of HYSD/Ms steel and binding wires and labour charges for straightening, cutting, bending etc. of M.S rods of for steel and binding wires and lying the grills and placing in proper position. complete as directed by engineer- in charge.				
A	Column	Cum	11.04	13731.30	151593.60
B	Lintel Band	Cum	4.85	9210.30	44670.00
C	Roof beam	Cum	12.90	11931.20	153912.50
D	Chhajja	sqm	40.36	884.30	35690.30
E	Roof Slab	Cum	44.01	9974.20	438964.50
F	Staircase	Cum	3.52	11331.20	39885.80
2	REINFORCEMENT				
	Cold twisted steel reinforcement for RCC work including cutting bending straightening and binding with 18swg black annealed wire and placing in position complete as directed by engineer- in charge.				
3	BRICK WORK IN SUPER STRUCTURE				

Item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
	Fly ash brick masonry using bricks having crushing strength not less than 75 kg per sqm. in cement mortar of (1:4):1:6 with portland slag cement after immersing the bricks for 6 (six) hours in water before use in superstructure similar such type of works with all necessary projections, watering and curing etc. including cost, conveyance, loading and unloading, royalties and taxes of all materials and cost of all labour, sundries, T & P required for the works etc complete in all respect as directed by the Engineer-in-charge.				
I	250 mm th brick wall with CM(1:6)	Cum	104.30	4444.60	463571.80
II	125 mm thick brick wall with 1:4 cement mortar	Cum	8.30	4444.60	36890.20
4	FINISHING				
	Providing and laying cement plaster on surface after cleaning the surface taking out point including cost of all materials labour cutting taxes etc complete as per instruction fo architect/ Engineer incharge				
I	12 mm cement plaster 1.6 to out side surface	Sqm	634.66	147.30	93485.40
II	16mm cement plaster 1.6 over brick work to inside walls.	Sqm	606.02	207.50	125749.20
III	6mm cp 1:4 over concrete surface	Sqm	306.83	163.20	50074.70
5	FLOORING				
A	Fixing VETRIFIED tiles in floors treads or steps and landing on 25mm thick bed of cement mortar 1:1 (1cement : 1sand) jointed with neat cement slury mixed with pigment o match the shades of the tiles including rubbing and polishing complete excluding cost of precast TILES.complete as directed by engineer- in charge.	Sqm	302.93	971.40	294266.20
6	(MS Doors/ Widndows)				
A	Providng and fixing of FRP(PVC) door including frame and all necessary accessories such as tower blot, handles, hinges etc complete in all respects.	Sqm	18.900	3225.00	60952.50
B	Providng fitting and fixing of M.S. Door & window frame with integrated grill shutter as per the following design and specificalton.complete as directed by engineer- in charge.	Kg	2506.14	92.70	232319.20
C	Providing and fixing 6mm thk. Glass to ventilator and staricase window with M.S angle frame and grill of size 18mm x 6 mm flat including all materials labour T & P etc.	Sqm	5.85	1300.00	7605.00

item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
D	Supplying, fitting and fixing of stainless steel of 304 grade in hand railing using 50mm dia of 32mm x 32mm x 2mm @ 0.90mtr C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T & P etc required for the work complete in all respect. as directed by engineer- in charge.	Rmt	9.00	3506.52	31558.70
7	PAINTING				
A	Providing painting two coat of Distemper of approved shade to walls and ceiling surface including all taxes cost of labour etc. complete as epr drawing , design and insruction of EIC.(In side ceiling)	Sqm	306.83	128.80	39519.70
B	Providing painting two coat of Distemper of approved shade to walls and ceiling surface including all taxes cost of labour etc. complete as epr drawing , design and insruction of EIC.(In sidewall)	Sqm	606.02	128.80	78055.40
C	Finishign walls with Painting two coats with any approved colour of weather seal coat over a coat of Water Bound Wall cement Primer to out side surface to give an even shade including cost of brushes and putty including cost of paint(per one Sq. Mtr)(for out side)	Sqm	634.66	138.80	88090.80
D	Providing and painting two coats of synthetic enamel paints over a coat of primer to steel work including sand papering, scaffolding , cost of conveyance, taxes of all materials. T & P labour required to complete the work as per design/ drawing & instruction of Architect/ Engineer-in charge.	Sqm	188.97	199.00	37605.00
8	Grading plaster				
	Providing and laying 20 mm thick grading plaster with CM(1:4) and mixture with water proofing compound of ISI mark @ 2 Kg/ beg over roof slab after chipping the same and cleaning the surface by brushing, watering and curing etc. complete as per drawing design and instruction of EIC.	Sqm	398.69	229.50	91499.40
9	Fixing tiles in dados skirting on 25mm thick bed of cement mortar 1:1 (1cement : 1sand) jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of precast tile.	Sqm	196.25	1084.30	212793.90
9	Fixing chequered tiles in floors treads or steps and landing on 25mm thick bed of cement mortar 1:1 (1cement : 1sand) jointed with neat cement slury mixed with pigment o match the shades of the tiles including rubbing and polishing complete excluding cost of precast TILES.complete as directed by engineer- in charge.	Sqm	20.14	495.80	9985.40
10	Rain water down pipe including fitting fixing cost of 100mm pipe and bend etc	Rmt	126.00	78.30	9865.80

item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
				Total C	3574797.30
	PART -D HEAD ROOM				
1	RCC. WORK				
	i. Providing, lifting, hoisting laying Reinforced cement concrete of M20grade in column footings s per approved designs and drawings having a minimum compressive strength (in work test) 200 kg/Square cm. in 15 cm cubes at 28 days after mixing and tests conducted in accordance with I.S. 416 using 12 mm to 20 mm size black hard crusher broken granite stone chips of approved quality from approved quarry washed and cleaned (20 mm size not to exceeds 25%) to be mixed in concrete mixture with ordinary portland cement (OPC) including ghosting, lowering, lying and compacting concrete by using vibrators, watering and curing for 28 days centering and shuttering and finishing the exposed surface smooth providing grooves of beads wherever necessary including cost. conveyance, loading and unloading , royalties and taxes of all materials and cost of all labours , sundries , T &P, required for the work etc. complete in all respect excluding cost and conveyance of HYSD/Ms steel and binding wires and labour charges for straightening, cutting, bending etc. of M.S rods of for steel and binding wires and lying the grills and placing in paper				
A	Column	Cum	2.22	15631.00	34700.80
B	Lintel Band	Cum	0.06	10205.80	612.30
C	Roof beam	Cum	2.05	13470.90	27615.30
d	d.Chhajja	Cum	0.90	1006.10	905.50
E	Roof Slab	Cum	7.36	11122.50	81861.60
2	REINFORCEMENT				
	Cold twisted steel reinforcement for RCC work including cutting bending straightening and binding with 18swg black annealed wire and placing in position complete	Qntl	11.21	8890.90	99667.00
3	BRICK WORK IN SUPER STRUCTURE				
	Fly ash brick masonry using KB bricks having crushing strength not less than 75 kg per squr.cm. in cement mortar of (1:4)1:6) with portland slag cement after immersing the bricks for 6 (six) hours in water before use in superstructure similar such type of works with all necessary projections, watering and curing etc. including cost, conveyance, loading and unloading, royalties and taxes of all materials and cost of all labour, sundries, T & P required for the works etc complete in all respect as directed by the Engineer-in-charge.				
A	250 mm th brick wall	Cum	34.50	4979.80	171803.10
4	FINISHING				

Item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
	Providing and laying cement plaster on surface after cleaning the surface taking out point including cost of all materials labour cutting taxes etc complete as per instruction fo architect/ Engineer incharge				
A	12 mm cement plaster 1.6 to out side surface	Sqm	186.90	153.20	28633.10
B	16mm cement plaster 1.6 over brick work to inside walls.	Sqm	325.27	212.70	69184.90
C	6mm cp 1:4 over concrete surface	Sqm	59.41	167.30	9939.30
6	Providing MS Doors/ Widndows)				
A	Providing fitting and fixing of M.S. Door & window frame with integrated grill shutter as per the following design and specifcaiton.	Kg	907.20	92.70	84097.40
7	PAINTING				
A	Wall painting two coats with 100% acrylic plastic emulsion paint(1st quality) exterior grade of approved make and shade manufactured by reputed manufacture like nerolac/Asian/Berge/Dulax or equivalent to make an even finished surface over a coat of primer with water bond cement primer in all heights with all scaffolding and stagging charges including cost,conveyance,taxes of all materials,cost of all labour T&P sundries etc, as required for the work.(Out side) complete as directed by engineer- in charge.	Sqm	571.58	33.70	19262.20
C	Providing and painting two coats of synthetic enamel paints over a coat of primer to steel work including sand papering, scaffolding , cost of conveyance, taxes of all materials. T & P labour required to complete the work as per design/ drawing & instruction of Architect/ Engineer-in- charge.	Sqm	38.43	207.40	7970.40
12	Grading plaster				
	Providing and laying 20 mm thick grading plaster with CM(1:4) and mixture with water proofing compound of ISI mark @ 2 Kg/ beg over roof slab after chipping the same and cleaning the surface by brushing, watering and curing etc. complete as per drawing design and instruction of EIC.	Sqm	58.87	359.10	21140.20
					657393.10
	CIVIL COST TOTAL			(A+B+C+D)	10060504.00
	SECTION -II				
	(P.H.& SANITARY COST)				

item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
1	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 colset 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.	Each	13	2489.30	32360.90
2	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 dia pvc 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 suupply main , cost & conveyance of all materials to worksite, payment of taxes etc. all complete as per P.H specification and direction of the Engineer-in-charge	EACH	13	1562.90	20317.70
3	Supplying , fitting , fixing of porcelein wash hand basin of size 450mm x 350 mm of CERA make, catalogue no Canon 1012 Wash Basin of Equivalent of Parryware/ Hindware with rog bolts, CI brackets, hole for pillar cock with cast iron/ M.S. brackets painted while including cutting holes in wall and making good to the damages etc. all complete with materials , labour and T& P etc.	Each	14	3868.40	54157.60
4	Supply , fitting , fixing of (500 x 450 mm) bevelled edge mirror of superior glass mounted on 6 mm thk A.C. sheet or ply-wood sheet and fixed to wooden plugs with cromium plated brass screws and washers etc. all complete with materials , labour and T & P etc.	Each	14	637.60	8926.40
5	Supply, fitting , fixing of Kaddaph Kitchen sink with cast iron/ M.S brackets painted while including cutting holes in walls and making good to the damages etc. all complete wit materials labour and T& P etc.	Each	1	4906.00	4906.00

Item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding)	Total Amount Rs.
6	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 specification and direction of the Engineer-in-charge.				
	110mm U-PVC SWR Pipe (Supreme /Ashirvad)	Mtr.	62	456.90	28327.80
	110mm U-PVC 'P' Trap(Ori Plast/Finolex/Supreme Make)	Each	8	497.30	3978.40
	110mm U-PVC door bend(Ori Plast/Finolex/Supreme Make)	Each	22	293.60	6459.20
	110mm U-PVC Plain bend(Ori Plast/Finolex/Supreme Make)	Each	22	232.00	5104.00
	110mm U-PVC offset without ear(Ori Plast/Finolex/Supreme Make)	Each	8	407.40	3259.20
	110mm U-PVC Cowl(Ori Plast/Finolex/Supreme Make)	Each	5	58.20	291.00
	110mm U-PVC S/Jn door(Ori Plast/Finolex/Supreme Make)	Each	25	457.10	11427.50
	110mm U-PVC D/Jn door(Ori Plast/Finolex/Supreme Make)	Each	8	551.20	4409.60
	110mm U-PVC Socket(Ori Plast/Finolex/Supreme Make)	Each	45	160.10	7204.50
7	Supplying fitting , fixing of cost (Spun) iron floor traps of the following nominal diameter of outlet of self cleaning design with sand cast iron screwed down or hinged grating with or without vent arm including cutting holes in walls and making good to the damages etc. all complete with materials, labour and T& P etc.				
8	Providing and fixing PVC plain bend of required degree				
	(i) 100 mm	Each	18	160.10	2881.80
9	Providing and fixing PVC single equal plain junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete .				
	(i) 100x100x100mm	Each	6	232.00	1392.00
10	Providing and fixing door piece, insertion rubber washer 3mm thick , bolts & nuts complete .				
	(i) 100mm	Each	55	22.10	1215.50
11	Providing & fixing PVC terminal guard (i) 100 mm	Each	6	53.30	319.80
12	Supplying, fitting, fixing to walls, ceiling and floor upplasticized PVC pipes conforming to I.S. 4985 of class IV (10 kg/ cm 2) th efollowing nominal diameter with fittings and clamps includings testing all complete with materials labour and T & P etc.				

Item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
	a) 20mm dia nominal bore	metre	84	243.00	20412.00
	b) 20mm dia nominal bore	metre	28	243.00	6804.00
	c) 25 mm dia nominal bore	metre	25	331.30	8282.50
	d) 32 mm dia nominal bore	metre	24	133.19	3196.60
	e) 40 mm dia nominal bore.	metre	25	342.80	8570.00
13	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 of the Engineer-in-charge.				
	(i) 15 mm nominal bore short body	Each	20	1255.00	25100.00
	(ii) 15mm nominal bore long body	Each	20	1451.90	29038.00
14	Providing and fixing brass stop cock with wall flush of approved quality .				
	(i) 15 mm nominal bore.	Each	15	861.30	12919.50
15	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)				
	(i) 25 mm dia Nominal bore	Each	4	927.25	3709.00
	(ii) 32 mm dia Nominal bore	Each	4	1357.50	5430.00
	(iii) 15mm dia Nominal bore	Each	32	850.00	27200.00
16	Supplying fitting , fixing of S.W. Gully trap Grade-A complete with cast iron grating, brick masonry chamber(250 mm x 250 mm) with R.C.C cover slab as per P.H. specification and design all complete with materials labour and T & P etc. (Excluding cost of gully trap and grating)	Each	4	1493.39	5973.60
17	Supply all labour , materials and T & P and laying to level and slope and jointing with cement mortar(1:1) for salt glazed stone were pipes . (Grade-A) of the following diameters as per specification all complete (excluding earth work in trenches)(data for 30 mtr.) (per mtr) S.W. Pipe 150mm dia.	metre	25	269.30	6732.50
18	Supplying all materials, labour and T & P for construction of inspection chamber as per P.H. specification and design all complete (per each)	Each	3	8101.50	24304.50
19	Supplying, fitting fixing or constructing of 1.20 mtr dia x 2.55 mtr. Deep soak-way pit with dry brick walling up to 2.10mtr. Height and brick work with cement mortar(1:6) for 0.45mtr height of wall at top, cement plaster(1:3) inside and outside, inside filled with dry brick kha of 50mm to 100 mm size to a height of 2.00 mtr from bottom. covered by means of 40mm thick R.C.C perforated slat 50 mm thick RCC. Well cover in pieces fitted with iron rings including earth work in excavation and refilling of cavity around the pit etc all complete as per approved design and drawing (Per each)	Each	1	15203.30	15203.30

item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding)	Total Amount Rs.
20	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, including hoisting up to a height of 5 meters above ground level and placing the tank to the required position and providing 1st class K.B brickwork in cement mortar (1:6) of 0.46m height in staging and in circular protection wall to support the tank, 12mm thick cement plaster (1:6) over brickwork, R.C.C slab of size 1.60mx1.60m and 0.10m thick, R.C.C beam of 0.25mx0.30m and 2.60m average length in cement concrete (1:2:4) using 12mm size h.g chips including centering and shuttering, watering, curing, conveyance of all materials to worksite etc all complete as per specification and direction of the Engineer in charge				
	2000 liter PVC water storage tank roof of 1st floor	Each	4	36058.80	144235.20
	SEPTICK TANK				
1	Excavation	Cum	97.47	195.40	19045.60
2	Sand filling	Cum	23.68	330.90	7835.70
3	P.C.C.(1:3:6)	Cum	6.76	4345.80	29377.60
4	CC(1:2:4)	Cum	6.29	5816.50	36585.80
5	Fly Ash Brick work (1:6) in GF.	Cum	23.88	4133.00	98696.00
6	R.C.C.(M20) up to Slab of septic tank	Cum	11.76	4797.80	56422.10
7	Cutting ,bending ,binding,of MS rod	Qntl	3.79	8840.90	33507.00
8	16mm thick C.P with C M (1:4)	Sqm	104.06	202.40	21061.70
9	Provision of manhole cover				
	Providing lifting and fixing of 450 mm dia C.I. man hole cover with suitable frame with finished cost of all materisl, labours and T& P etc. complete as per the direction fo the Engineer- in charge.	Each	2	1850.00	3700.00
10	Providing fitting and fiowing of 250 mm S.W tee with 250 mm dia RCC pipe at inlet and outlet of the septic tank inclusive of all labour , T& P sundries, fittings etc as per the direction fo the Engineer- in charge complete	Each	2	348.50	697.00
11	Providing fixing and fitting CL step iron of approved qualty and size with three coats of anticorrosive paint at regular intervals inside the tank incuding cost, conveyance, taxes all complete and as per the direction of the Engineer - in charge.	Each	8	252.30	2018.40

item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
12	Providing and fixing of 50 mm dia HCL pipe and cowl form vent on the two part of the eptic tank including painting three coats with anticorrosive paint all cost, coveyance, taxes etc all complete as per the direction of the Engineer- in charge.	Each	2	565.00	1130.00
13	supplying all materials labour T&P and constructing 1.00m dia x 2.00 m deep soak way pit with dry brick having crossing strength not less than 75Kg/CM2 to 99Kg/CM2 in CM(1:6) for the remaining 0.4572m height of wall at top CC(1:3)inside and outside inside fill with dry brick khoa size 38mm ,CM thick RCC perforated slab to a height of 1.9012m from bottom covered by means of 50mmthick RCC wall cover in pieces filled with iron plugs including earth work in excavation refilling of cavity around the pit and painting the iron works complete as per PHD design and specification including carriage of all materials to site.	Each	2	12339.10	24678.20
14	DEEP TUBE WELL Labour for drilling a perfectly vertical bore hole of specified dia for a specified depth below ground level through consolidated and unconsolidated rock with combination drilling rig as required to suit the site condition as per the direction of Engineer-in-charge including supply of own rig with its accessories, tools and plant and consumables etc. for lowering of 200mm /150mm dia M.S. Pipe / PVC casing fitted with socket and with or without well screen as per the necessity for sub-medium hard and boulder formation (M.S./PVC casing pipe if required to prevent collapse of over burden is to be provided by contractor including lowering and withdrawing after completion of the tube well) 200mm dia x 400mm dia in over burden position including packing of gravel supplied by Contractor for 400mm bore only etc as per direction of Engineer incharge.				
	Drilling for 200mm dia bore				
	00mtr to 30 mtr	mtr	30	770.00	23100.00
	200mm(std-80) casing pipe	mtr	30	2391.00	71730.00
	Drilling for 150mm dia bore				
	30 mtr to above150mtrs	mtr	120	710.00	85200.00

Item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding)	Total Amount Rs.
15	Lowering the following size of G.I. / PVC / M.S. housing pipe with or without slotted pipe as per the necessity for ground level upto 45 mtr depth and fitted and fixed up perfectly vertical position including cutting and threading of pipes and slotted pipes and supplying and fixing all jointing materials, tools and plants etc all complete and keeping the top of the casing pipe threaded including plugging tube wells to prevent entry of foreign materials.				
	Lowering 200mm dia M.S.ERW pipe casing pipe				
	00mtr to 30 mtr	mtr	30	181.60	5448.00
16	cleaning and developing the tube well with supply of compressor worked till clear and adequate discharge in obtained from the tube well including supply and use of all necessary equipment and labour as per direction of Engineer-in-charge.				
	By DTH / Rotary	No.	1	6493.60	6493.60
17	Supplying all labour, materials and T&P for providing sanitary sealing by cement concrete grouting of annular space around M.S. casing pipe upto 5 mtr below ground level to plug the bore hole excluding cost of cement etc all complete as per direction of EIC.	No.	1	1612.00	1612.00
18	Supplying all materials, labour, T&P and providing fittings and fixing submersible pump with squarrel cage induction type submersible electric motor to run on 3 phase / single phase line voltage ranging from 320 volt to 450 volt conforming to IS:8034/89 with following specification with suitable control panel, jointing with GI / PVC / HDPE pipes, electrification, testing commissioning, trial running, conveyance of all materials to worksite, payment to taxes etc all complete as per the specification and direction of the Engineer in charge. (Texmo / Crompton Greaves / Kirloskar make)				
19	1HP single phase 3 stage vertical / horizontal submersible pump set at head range 20 to 35 meters discharge 145 to 110 LPM with outlet dia of 25mm	Each	1	15000.00	15000.00
	DOL control panel	Each	1	4300.00	4300.00
	40mm steel short piece	Each	1	152.30	152.30
	well cap	Each	1	152.30	152.30
	50mm size CI bracket	Each	1	91.30	91.30
	2.50 sqmm flat cable	Mtr	140	128.10	17934.00

Item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding	Total Amount Rs.
	steel rope with cover	Mtr	140	26.70	3738.00
	labour charges for lowering including transportation	No.	1	2000.00	2000.00
20	Supplying all materials, labour, T&P and providing and fixing to wall or ceiling and floor HDPE pipes and pipe fittings conforming to IS: 4984/2000 (10kgf/sqcm) of the following nominal bore with clamps and jointing by Fusion welding method including testing, making good the wall, ceiling and floor all complete as per specification and direction of the Engineer in charge				
21	32mm HDPE pipes (Finolex/Supreme make)	mtr	130	69.96	9094.80
	TOTAL			TOTAL	1124851.00
	SECTION -III				
	ELECTRICAL WORKS				
1	Resessed wiring to light point in 18 mm dia nommetallic flexible polythere conduct, confiming to IS-694/1973with 1 sq mm PVC insulated, single core multistard copper wire of ISI marked conforming to IS-694/1990 and earth continuity in 1.22 mm dia HDBC wire with matallic swich board & MS sheet including provision of earth screw, painted with one coat of red oxide and two coats of DA gray enamel paint , conforming to IS -1533 PART-1 1963 with 3mm baklite / Phenolic laminated front cover fixed with sheet steel screws including supply cover fixed with sheet steel screws including supply and fixing of 5A, 250V, flush type switch of IS-3854/1999mounted on C.I circular box having front bakelite cover complete with all accessories and connections				
	a) Group-A	Nos	65	420.00	27300.00
	b) Group-B	Nos	130	648.00	84240.00
	c) Group-C	Nos	23	920.00	21160.00
2	supply and fixing of 6 Amp plug and 6 Amp switch on existing board (make modular Schineder crispalx panasonic vision/legrand arestor or equivelent)	Nos	55	55.00	3025.00

item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding)	Total Amount Rs.
3	Recessed wiring to submain in following sq mm FRLS PVC insulated,seathed single core multiostrand copper wire of ISI marked conforming to IS-694/1990 and earth continuity in 1.22mm dia HDPC wire with metallic switch board & MS sheet including providison of earth screw, painted with one coat of red oxide and two coats of D.A. gray enamel paint, conforming to IS 1533 PART -1 1963 with 3 mm baklite / phenolic laminated front cover fixed with sheet steel screws including supply and fixing of 5A, 250 V, flush type switch of ISI marked conforming to IS-3854/1999 mounted on C.I. marked conforming to IS03854/1999mounted on C.O circular box having fornt bakelite cover complete with all accessories and connections				
a	2x1.5sq mm+1x1.5sq mm	mtr	375	128.00	48000.00
b	2x2.5sq mm+1x1.5sq mm	mtr	620	142.00	88040.00
c	2x 4.0sq mm+1x1.5sq mm	mtr	150	187.00	28050.00
d	4x 6.0 sq mm+2x2.5sq mm	mtr	90	288.00	25920.00
4	S/F of BK angel holder modular (make Anchor,Havels holder)	Nos	76	58.00	4408.00
5	9 watt LED lamp(philips/ crompton/panasonic/havels/anchor)	Nos	76	157.00	11932.00
6	Inverter wiring with 1.5/2.5 mm multi cu wire	mt	175	44.00	7700.00
7	S/F of power plug anchor,havells	Nos	3	278.00	834.00
8	SF of 1X 18W LED T-5 fittings(philips/ crompton/panasonic)	Nos	75	157.00	11775.00
9	S/F 1X40W mirror optic fitting(philips/ crompton/panasonic)	Nos	0	666.00	0.00
10	S/F1X 60 watt LED street light(philips/ crompton /panasonic /Havels/Anchor)	Nos	6	5775.00	34650.00
11	S/F ITC of 48" ceiling Fan(crompton Aura plus,usha allure plus, havells spark)	Nos	59	2337.00	137883.00
12	Supply fitting fixing of electronic step type fan regulator (schinder,panasonic,legrand,havels/anchor)	Nos	59	244.00	14396.00
13	Supply fitting fixing 12" (300mm)exhaust fan(Bajaj, havells, usha)	Nos	18	1838.00	33084.00
14	S/F 6 way MCB DB Double door6x(6-10)Amp SP MCB (L&T,legrand, schinder) for invortor (FF& GF)	Nos	2	2110.00	4220.00
15	S/F of (4+12) waydouble door TPN DB with(1x32 AMP four pole + 12x (6-12)AMP DP/SP) MCB schinder ,ABB, simen, legrad,panasonic)	Nos	2	5388.00	10776.00
16	S/F of call bell with bell plush	Nos	2	119.00	238.00
17	S/F 32 Amp DP switch(Anchor,hpl,havels,cona)	Nos	1	500.00	500.00
18	S/F standard earthing including accessor,and providing	Nos	2	2431.00	4862.00
19	laying of no 8 SWG copper wire	mt	25	58.00	1450.00

Item Sl. No.	Item Description	Units	Quantity	Estimated Rate (Excluding)	Total Amount Rs.
20	6kg ABC 9powder type) Fire extinguisher , HP mild esteel cylinders ISI marked fitted with pressure indicating gauge internal tube ,squeeze lever type valve fully charged with ABC powder (mono Aluminium Phospate) pressured by nitrogen complete in all respects including wall suspension bracket and conforming to IS: 15683	Nos	6	5375.00	32250.00
21	3.5x25 PVC Al Armoured cable(Havels, polycab ,KEL, RR, Finolex,Anchor)	mt	50	238.00	11900.00
22	laying of 3.5x25 PVC Al Armoured cable(Havels, polycab,KEL,RR,Finolex)	mt	45	102.00	4590.00
23	S/F/T pannel board with following arrangment (schinder,Legrand,Siemens)INCOMING 63Amp 4 pole MCCB(25-35KA)=1no, 100 Amp cu bus bar(RYBN)=1 set, 32Amp 4 pole MCB 6 Nos, 25 Amp 2 pol MCB = 3 nos, (for inverter connection) Instrument :- Volt Meter,Selector switch,indicating lamp(RYB)=1set Internal wireing (with 6mm copper wire seperately to all MCB without any looping,)Rubber mat.	set	1	67554.00	67554.00
				TOTAL	720737.00
	Grand total (SECTION-(I+II+III))				11906092.00
	(Rupees one crore ninteen lakh six thousand ninety two)only				

I M/S _____ CLASS _____ Contractor hereby quoted my
% (Percentage) rate at _____
_____ % (percentage)(Both figure & ward)
excess overthan/Less than/Equal to the amount put to tender Rs. 11906092/- (Rupees one crore ninteen
thousand six hundred ninety two)only

Note:- The contractor should bot write anything except Quoting of percentages and in case anything else regarding tender rate mantioned, the tender is liable to rejection.

1. strike out which is not applicable.
2. Percentage should be quoted up to 2(two) digit after the decimal point.
3. Nos of Corrections:-
4. Nos of over witting :-
5. Nos of interpolation :-
6. Nos of pages:-

Signatur of the contractor
Address
M.No
AT/PO
Dist
state
PIN

