

TENDER SCHEDULE

(BILL OF QUANTITY)

Name of work-	Construction of Multi Utility Room at Bahanaga PHC under Bahanaga Block
Estimated Cost-	26.25 Crores
E.M. to be Deposited-	1% of the Estimated cost
Cost Of Tender paper with VAT 4%	Rs- 4000/-
Date of sale of Tender	
Date of Receipt of Tender	
Date of opening of Tender	
Time of completion	
Class of Contractor	"D" & "C" Class

Sl. No.	DESCRIPTION OF WORKS	No. or Qty	UNIT	Estimated Rate	AMOUNT in Rupees
				Figure	
1	Earth work in excavation of foundation and lifts including dressing and levelling T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.	31.57	1 Cum	178.60	5630.42
2	Supplying filling in foundation and plinth approved quality, well watered and rammed conveyance, royalty taxes and all labour charges for the work etc. complete as per the specification and direction of the Engineer-in-charge.	48.53	1 Cum	595.90	28914.17
3	Cement concrete of proportion (1:4:8) using 4cm size clean hard hand broken quality with all taxes and compacting with T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.	6.69	1 Cum	4002.90	26781.30
4	R.C.C. work of M-20 grade with 12mm down graded hard granite crusher broken chips of approved quality including watering, curing, with all cost, conveyance, royalty taxes of all materials, all labour charges, T&P articles required for the work etc. complete as per the specification and direction of the Engineer-in-charge.	4.53	1 Cum	4676.30	21181.54
	a) Coulmn base	2.64	1 Cum	4676.30	12345.67
	b) For plinth beam	3.68	1 Cum	10351.80	38098.24
	c) For Column & Beam in superstructure	1.21	1 Cum	8241.10	9971.53
	d) For Lintel	4.55	1 Sqm	767.20	3490.56
	e) For Chhaja	4.60	1 Cum	8824.10	40590.86
	f) For Roof slab				
5	250mm thick Flyash brick work in cement mortar (1:6) after immersing brick for six hours in water before use in superstructure with good quality clamp burnt of brick of size 12 cm x 12 cm x 8 cm size having crushing strength not less than 10 N/mm ² . Per Sqm. complete including cost conveyance and royalty charges of all materials with all taxes and all labour with T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge. (F & P)	2.92	1 Cum	4248.00	12404.16

Done at _____

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6	i)250mm thick flyash brick work in cement mortar (1:6) after immersing brick for six hours in water before use in superstructure with good quality clamp brunt of brick 25 cm x 12 cm x 8 cm size having crushing strength not less than 100kg . complete including cost conveyance and royalty of all materials with all taxes and all labour with T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.(In	15.67	1 Cum	4286.30	67166.32
7	Straightening, bend up or coiled rod, cutting, bending, cranking, hooking welding or jointing (if required the MS/Tor rod and binding wire, laying the gills and placing in proper position d for the work as per the specification and direction of the Engineer-in-charge.	13.56	1 Qtl.	6081.30	82462.43
8	12mm thick cement plaster in Cement mortar (1:6) finished smooth to out side the plaster after racking out the joints of brick work with watering curing and cost conveyance,. complete in all respect as per specification and direction of the Engineer-in-charge.	113.97	1 Sqm	137.00	15613.89
9	16mm thick cement plaster in Cement mortar (1:6) finished smooth to over brick walls after racking out the joints of brick work with watering curing. and cost conveyance, royalty taxes of all materials all labour T&P etc. complete in all respect as per specification and direction of the Engineer-in-charge.	112.20	1sqm	195.10	21987.77
10	Providing 6mm thick C.P. in R.C.C surface including close deep chipping & slurry treatment with cost, conveyance of materials labour, T&P required for the work including royalty etc.complete as per direction of the Engineer-in- charge.	37.63	1 Cum	151.50	5710.04
11	Fixing vetrified tiles of coloured/printed series(homogenous) in floors, treads or steps and landing on 25mm thick bed of cement mortar (1:1) (1cement:1sand) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including rubbing and polishing complet excluding cost of precast tiles per 1sqm .	70.23	1 Sqm	950.80	66776.97
12	Providing and fixing Glazed tile in dado,skirting riser of steps on 12 mm thick cement plaster 1:3 jointed with neat cement slurry mixed with pigment including cost of precast tiles, all materials,labour,t&p,all taxes of materials etc complete as per instruction of Architect and Engineer in charge.	7.03	1 Sqm	692.30	4853.02
13	Providing fixing glazed floor tiles in floors, treads or steps and landing on 25mm thick bed of c:m (1:1) jointed with neat cement slurry mixed with pigment to match the shades of tiles including cost & conveyance of materials, royalty labour, T &P etc. complete as per direction of the Engineer-in-charge.	7.21	1 Sqm	716.30	5164.52
14	Providing for fitting & fixing M.S. grill as per approved desing in position iron fittings such as bolt, rings with all cost, conveyance royalty T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.	233.75	kg	59.74	13964.23
15	Providing for fitting & fixing M.S. door as per approved desing in position iron fittings such as bolt, rings with all cost, conveyance royalty T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.	411.00	kg	123.40	50718.14
16	Priming one coat with approved Water Bound wall cement on plastered Surface including cost of all materials etc complete as per specification and direction of the Engineer-in-charge.	264.36	1 Sqm	58.10	15359.32

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17	Distemping two coats to the wall surface with any approved paint over a one coat of primer including cost of distemper etc. conveyance, royalties and taxes of all materials and labour with T&P required for the work ..etc. complete in all respect as per the specification & direction of the Engineer in charge	150.39	1 Sqm	62.34	9375.29
18	Finishing wall with water proofing weather coat of approved shade on new work over a one coat of primer to given shade to outside wall with all cost, conveyance royalty taxes of all materials and all labour T&P required for the work etc. complete as per direction of the Engineer-in-charge.	113.97	1 Sqm	70.70	8057.86
19	Painting two coats of synthetic enamel paint over one coat of primer on steel surface including necessary preparation of surface, cost & conveyance of materials, labour, T&P etc. complete to shape as per direction of the Engineer-in-charge.	28.01	1 Sqm	189.50	5307.77

PH					
20	Supplying all materials, labour T&P and fixing water closet, (Orissa pattern squatting pan) duly embedded in c.c. (1:5:10) using 4cm h.g. metal all complete as per direction of E.I.C.	1.00	NO	2,611.6	2611.60
	a) (583x440)mm Orissa pan (Neycer/Cerna/ Parry ware/ Hindware)				0.00
21	Supplying all materials, labour T&P and fixing Wash Down Water Closet(European type W.C. pan) with Integral 'S' or 'P' trap to the floor with wooden plug and C.P.screws including jointing the trap with soil pipe in C.M.(1:1) etc. all complete as per specification & direction of F.I.C	1.00	NO	2,176.7	2176.70
	a) F.W.C. with 'S' trap plain(Neycer/Cerna/ Parrywear/ Hindware)	1.00	NO	3861.70	3861.70
22	Supply of all labours,T&P for fixing of wash Basin with hole for taps with cast iron or MS bracket painted white including cutting hole in wall, making good to the damages etc. including cost of basin all complete as per PHE Sepcification	5.00	Rmt	309.90	1549.50
23	Supply of all labours,T&P for fixing of Soil waste ventilating pipe and fitting to wall with nail,bobbins and wooden plugs as per specification and laying in trenches including earth work excavation in all kinds of soil and refilling of trenches etc. all including cost of basin all complete as per PHE Sepcification	6.00	Rmt	219.00	1314.00
24	Providing and laying in trenches unplasticised PVC pipe (ASTM S-80, 10 kg/sq cm) of the following nominal bore and pipe fitting including testing as per PHE specification including cost of PVC pipe.	2.00	NO	658.20	1316.40
25	Supply of all labours,T&P for fixing of C.P.long Body bib cock (T&P) of Following nominal size as per PHE Sepcification	2.00	NO	747.30	1494.60
26	Supply of all labours,T&P for fixing of C.P.conceal Stop cock (T&P) of Following nominal size as per PHE Sepcification	2.00	NO	40.30	80.60
27	Supply of all labours,T&P for fixing of C.P.Flange (T&P) of Following nominal size as per PHE Sepcification	2.00	NO	696.50	1393.00
28	Supply of all labours,T&P for fixing of C.P.piller cock (T&P) of Following nominal size as per PHE Sepcification	2.00	NO	167.50	335.00
29	Supply of all labours,T&P for fixing & fixing of CP soap holder completed fixed to wooden plugs with screw etc.all complete as per PHE Sepcification	1.00	NO	4250.00	4250.00
30	500 ltr water tank storage on the roof of ground floor details of cost for one tank	2.00	NO	3000.00	6000.00
31	Fitting and fixing of PVC door in toilet wall				

EI					
32	Reccsed wiring to light point and exhaust fan point with 1.5sqm FR PVC insualated single core multistandard copper conductor of ISI mark 20mm dia non metallic PVC flexible conduct with 5AMP,25V,pino type switch make ETC as per direction of engineer in charge.				
do..... Group A (1.2.1-1.24.2)	2	Point	287.85	575.7
do..... Group B (1.2.1-1.24.2)	2	Point	498.73	997.46

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do..... Group C(1.2.1.1.2)	3	Point	762.34	2287.02
	Recessed wiring with fan point Group-B	2	Point	498.73	997.46
33	S/F of metal box pf 150mmx75mmx60mm deep(Nominal size) etc all	2	each	192.84	385.68
34	S/F of 5amp switch and 5 amp socket outlet etc all	6	each	83.14	498.84
35	S/F of metal box pf 180mmx100mmx60mm deep(Nominal size) etc all	2	each	263.88	527.76
36	PVC insulated single core multistandard copper conductor of ISI mark (ISI mark to Hevels, V guard, L & T Finolex)				
	.....do..... 2x1.5sqmm+1x1.5sqmm (1.8.1)	8	PM	120.11	960.88
	.....do..... 2x2.5sqmm+1x1.5sqmm (1.8.2)	6	PM	134.06	804.36
	.....do..... 2x1.4sqmm+1x1.5sqmm (1.8.3)	4	PM	151.44	605.76
37	Supply instation testing and commissioning main switch etc all				
	B-do-32amp ICDP main switch	1	each	851.58	851.58
38	200mmx250 mm x60mm deep (1.24.16) for fixing 32amp ICDP main switch	1	each	205.57	205.57
39	250mmx300 mm x60mm deep (1.24.16) for fixing 64amp ICDP main switch	1	each	260.37	260.37
40	s/f B series sp MCB Box lighting and etc all	1	each	127.56	127.56
41	s/f B series sp MCB Box (250v) lighting and etc all	1	each	848.9	848.9
42	8watt CFL Imp.	3	each	606.05	1818.15
43	Holder BK angle	4	each	14.68	58.72
44	soldering of GI wire	1	PM	47.68	47.68
45	18-25 led tube light Fitting including bulb	4	each	688	2752
46	Fan regulator in existing switch board etc all.	2	each	280.82	561.64
47	Supply instation testing and commissioning 8watt led bulb etc all.	2	each	167.58	335.16
48	Fitting and fixing of ceiling fan	2	each	2200	4400
49	Wiring for circuit / sub main wiring alongwith earth wire with following sizes of PVC insulated single core multistrand copper conductor with ISI marked conforming to IS 794/1990 in 20mm dia non metallic heavy duty flexible conduit 1.5mm in recessed PVC conduit as required (Make of wire- Finolex/ L & T /Anchor/ Hevels/V guard)				
a	-do-2x2.5sqmm +1x1.5sqmm (1.8.2)	20	Mtr.	134.06	2681.2
b	-do- 2x4sqmm +1x1.5sqmm (1.8.3)	20	Mtr.	151.44	3028.8

Rs. 6,24,933.26

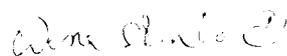
My quoted rate is (infigure) _____ % (inwords) _____ % excess over/less than/equal to the above estimated cost.

Signature of Contractor:

Sold for the work
on payment of Rs. _____ (Rupees _____) only towards cost of tender paper and



CDM & PHO, Balasore



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TENDER SCHEDULE
(BILL OF QUANTITY)

Name of work-	Construction of HWC Sc at Bishnupur under Bahanaga Block
Estimated Cost-	25.25 Lakhs
E.M. to be Deposited-	1% of the Estimated cost
Cost Of Tender paper with VAT 4%	Rs- 4000/-
Date of sale of Tender	
Date of Receipt of Tender	
Date of opening of Tender	
Time of completion	
Class of Contractor	"D" & "C" Class

Sl. No.	DESCRIPTION OF ITEMS	No. or Qty	UNIT	Estimated Rate	AMOUNT in Rupees
				Figure	
1	Earth work in excavation of foundation in hard soil with all leads and lifts including dressing and levelling the bed and depositing the excavated earth at place away from work site with all leads and lifts including cost of all labour T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.	31.57	1 Cum	178.60	5638.86
2	Supplying filling in foundation and plinth with fine coarse sand of approved quality in layer not exceeding 23.5 cm (5') free from organic and vegetation materials, well watered and rammed including all cost conveyance, royalty taxes and all labour T&P articles required for the work etc. complete as per the specification and direction of the Engineer-in-charge (Measurement will be taken on finished compacted section only)	48.71	1 Cum	578.10	28159.12
3	Cement concrete of proportion (3:4:8) in foundation and plinth using 4cm size clean hard hand broken granite metal of approved quality from approved quarry including hoisting lowering & laying concrete in layers not exceeding 9" thick to the required level including cost conveyance and royalty of all materials with all taxes and compacting watering curing and all labour with T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.	6.69	1 Cum	3987.20	26681.92
4	R.C.C. work of M-20 grade with 20mm and down graded hard granite crusher broken chips of approved quality and from approved quarry including mixing, hoisting, lowering, laying and compacting concrete in layers of specific thickness conforming to technical terms & condition of M20 grade concrete including centering, shuttering and finished the exposed surface smooth providing beads where necessary including watering, curing, with all cost, conveyance, royalty taxes of all materials, all labour charges, T&P articles required for the work etc. complete as per the specification and direction of the Engineer-in-charge.				
	a) Coulmn base	4.53	1 Cum	4653.90	21072.86
	b) For plinth beam	2.64	1 Cum	4653.90	12286.30
	c) For Column & Beam in superstructure	3.68	1 Cum	10329.40	38012.19
	d) For Lintel	1.21	1 Cum	8218.70	9944.63
	e) For Chhaja	4.55	1 Sqm	765.70	3483.94
	f) For Roof slab	4.60	1 Cum	8801.70	40487.82
5	250mm thick Flyash brick work in cement mortar (1:6) complete including cost conveyance and royalty of all materials with all taxes and all labour with T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge (F & P)	3.31	1 Cum	4240.20	14035.06

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	f) Coulmn base	4.53	1 Cum	4653.90	21072.86
	b) For plinth beam	2.64	1 Cum	4653.90	12286.30
	c) For Column & Beam in superstructure	3.58	1 Cum	10329.40	38012.19
	d) For Lintel	1.21	1 Cum	8218.70	9944.63
	e) For Chhaja	4.55	1 Sqm	765.70	3483.94
	f) For Roof slab	4.60	1 Cum	8801.70	40487.82
5	250mm thick Flyash brick work in cement mortar (1:6) complete including cost conveyance and royalty of all materials with all taxes and all labour with T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.(F & P)	3.31	1 Cum	4240.20	14035.06
6	i)250mm thick flyash brick work in cement mortar (1:6) after immersing brick for six hours in water before use in superstructure with good quality clamp burnt brick 25 cm x 12 cm x 8 cm size having crushing strength not less than 100kg. Per Sqm. with all taxes and all labour with T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.(In Superstructure)	15.67	1 Cum	4272.60	67045.66
7	Straightening, bend up or coiled rod, cutting, bending, cranking, hooking welding or jointing (if required the work) for rod and binding wire, cost of all labour T&P required for the work as per the specification and direction of the Engineer-in-charge.	13.56	1 Qtl.	6077.00	82404.12
8	12mm thick cement plaster in Cement mortar (1:6) finished smooth to out side the plaster after racking out the joints of brick work with watering curing and cost conveyance, royalty taxes of all materials all labour T&P etc. complete in all respect as per specification and direction of the Engineer-in-charge.	113.97	1 Sqm	136.60	15568.30
9	16mm thick cement plaster in Cement mortar (1:6) finished smooth to over brick walls after racking out the joints of brick work with watering curing and cost conveyance royalty taxes of all materials all labour T&P etc. complete in all respect as per specification and direction of the Engineer-in-charge.	112.70	1sqm	194.60	21931.42
10	Providing 6mm thick C.P. in R.C.C surface including close deep chipping & slurry treatment with cost, conveyance of materials labour, T&P required for the work including royalty etc.complete as per direction of the Engineer-in-charge	37.69	1 Cum	151.20	5698.73
11	Fixing vetrified tiles of coloured/printed series(homogeneous) in floors, treads or steps and landing on 25mm thick bed of cement mortar (1:1) (1cement:1sand) jointed with neat cement slurry including rubbing and polishing complete excluding cost of precast tiles per 1sqm .	70.23	1 Sqm	948.90	66643.52
12	Providing and fixing Glazed tile in dado,skirting riser of steps on 12 mm thick cement plaster 1:3 jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubbing and polishing complete as per instruction of Architect and Engineer in charge.	7.01	1 Sqm	690.30	4839.00

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13	Providing fixing glazed floor tiles in floors, treads or steps and landing on 25mm thick bed of c:m (1:1) jointed with neat cement slurry mixed with pigment to match the shades of tiles including cost & conveyance of materials, royalty labour, T&P etc. complete as per direction of the Engineer-in-charge.	7.21	1 Sqm	713.50	5144.34
14	Providing for fitting & fixing M.S. grill as per approved desing in position iron fittings such as bolt, rings with all cost, conveyance royalty T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.	23.75	kg	59.74	13964.23
15	Providing for fitting & fixing M.S. door as per approved desing in position iron fittings such as bolt, rings with all cost, conveyance royalty T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.	11.00	kg	123.40	50718.14
16	Priming one coat with approved Water Bound wall cement on plastered Surface including cost of all materials etc complete as per specification and direction of the Engineer-in-charge.	4.36	1 Sqm	58.10	15359.32
17	Distemping two coats to the wall surface with any approved paint over a one coat of primer including cost of distemper etc. conveyance, complete in all respect as per the specification & direction of the Engineer in charge.	0.30	1 Sqm	62.34	9375.29
18	Finishing wall with water proofing weather coat of approved shade on new work over a one coat of primer to given shade to outside wall with all cost, conveyance royalty taxes of all materials and all labour T&P required for the work etc. complete as per direction of the Engineer-in charge.	3.97	1 Sqm	70.70	8057.86
19	Painting two coats of synthetic enamel paint over one coat of primer on steel surface including necessary preparation of surface, cost & conveyance of materials, labour, T&P etc. complete to shape as per direction of the Engineer-in-charge.	8.01	1 Sqm	189.50	5307.77

PH					
20	Supplying all materials, labour T&P and fixing water closet, (Orissa pattern squatting pan) duly embedded in c.c. (1:5:10) using 4cm h.g. metal all complete as per direction of E.I.C.	1.00	NO	2,611.6	2611.60
21	a) (583x440)mm Orissa pan (Neycer/Cerra/ Parry ware/ Hindware) Supplying all materials, labour T&P and fixing Wash Down Water Closet(European type W.C. pan) with Integral 'S' or 'P' trap to the floor with wooden plug and C.P.screws including jointing the trap with soil pipe in C.M.(1:1) etc. all complete as per specification & direction of E.I.C	1.00	NO	2,176.7	2176.70
22	a) E.W.C. with 'S' trap plain(Neycer/Cerra/ Parrywear/ Hindware) Supply of all labours,T&P for fixing of wash Basin with hole for taps with cast iron or MS bracket painted white including cutting hole in wall, making good to the damages etc. including cost of basin all complete as par PHE Sepcification	1.00	NO	3861.70	3861.70

Done Sh. 16/10/17

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23	Supply of all labours,T&P for fixing of Soil waste ventilating pipe and fitting to wall with nail,boilbins and wooden plugs as per specification and laying in trenches including earth work excavation in all kinds of soil and refilling of trenches etc. all including cost of basin all complete as per PHE Sepcification	3.00	Rmt	309.90	929.70
24	Providing and laying in trenches unplasticised PVC pipe (ASTM S-80, 10 kg/sq cm) of the following nominal bore and pipe fitting including testing as per PHE specification including cost of PVC pipe.	4.00	Rmt	219.00	378.00
25	Supply of all labours,T&P for fixing of C.P.long Body bib cock (T&P) of Following nominal size as per PHE Sepcification	2.00	NO	658.20	1316.40
26	Supply of all labours,T&P for fixing of C.P.conceal Stop cock (T&P) of Following nominal size as per PHE Sepcification	2.00	NO	747.30	1494.60
27	Supply of all labours,T&P for fixing of C.P.Flange (T&P) of Following nominal size as per PHE Sepcification	3.00	NO	40.30	120.90
28	Supply of all labours,T&P for fixing of C.P.piller cock (T&P) of Following nominal size as per PHE Sepcification	2.00	NO	696.50	1393.00
29	Supply of all labours,T&P for fixing of C.P.Health phaucet(T&P) of Following nominal size as par PHE Sepcification	2.00	NO	544.50	1089.00
30	Supply of all labours,T&P for fixing & fixing of CP soap holder completed fixed to wooden plugs with screw etc.all complete as par PHE Sepcification	2.00	NO	167.50	335.00
31	500 ltr water tank storage on the roof of ground floor details of cost for one tank	1.00	NO	4250.00	4250.00
32	Fitting and fixing of PVC door in toilet wall	2.00	NO	3000.00	6000.00
33	Fitting and fixing of PVC door in toilet wall	2.00	NO	3000.00	6000.00
EI					
34	Recessed wiring to light point and exhaust fan point with 1.5sqm FR PVC insulated single core multistandard copper conductor of ISI mark 20mm dia non metallic PVC flexible conduct with 5AMP,25V,pino type switch make ETC as per direction of engineer in charge.				
	.....do..... Group A (1.2.1-1.24.2)	2	Point	287.85	575.7
	.....do..... Group B (1.2.1-1.24.2)	2	Point	498.73	997.46
	.....do..... Group C(1.2.1-1.24.2)	3	Point	762.34	2287.02
35	Recessed wiring with fan point Group-B	2	Point	498.73	997.46
36	S/F of metal box pf 150mmx75 mmx60mm deep(Nominal size) etc all	2	each	192.84	385.68
37	S/F of 5amp switch and 5 amp socket outlet etc all	6	each	83.14	498.84
38	S/F of metal box pf 180mmx100mmx60mm deep(Nominal size) etc all	2	each	263.88	527.76
39	PVC insulated single core multistandard copper conductor of ISI mark (ISI mark to Hells,V guard L&T Finolex)				
	.....do..... 2x1.5sqmm+1x1.5sqmm(1.8.1)	8	PM	120.11	960.88
	.....do..... 2x2.5sqmm+1x1.5sqmm(1.8.2)	6	PM	134.06	804.36
	.....do..... 2x1.4sqmm+1x1.5sqmm(1.8.3)	4	PM	151.44	605.76
40	Supply instation testing and commissioning main switch etc all				
	B-do-32amp IC DP main switch	1	each	851.58	851.58
41	200mmx250 mm x60mm deep (1.24.16) for fixing 32amp IC DP main switch	1	each	205.57	205.57
42	250mmx300 mm x60mm deep (1.24.16) for fixing 64amp IC DP main switc	1	each	260.37	260.37
43	s/f B series sp MCB box lighing and etc all	1	each	127.56	127.56

Done (1.10.21)

4

31	500 ltr water tank storage on the roof of ground floor details of cost for one tank	1.00	NO	4250.00	4250.00
32	Fitting and fixing of PVC door in toilet wall	2.00	NO	3000.00	6000.00
33	Fitting and fixing of PVC door in toilet wall	2.00	NO	3000.00	6000.00
EI					
34	Recessed wiring to light point and exhaust fan point with 1.5sqm FR PVC insulated single core multistandard copper conductor of ISI mark 20mm dia non metallic PVC flexible conduct with 5AMP, 25V, pino type switch make ETC as per direction of engineer in charge				
	.....do..... Group A (1.2.1-1.24.2)	2	Point	287.85	575.7
	.....do..... Group B (1.2.1-1.24.2)	2	Point	498.73	997.46
	.....do..... Group C(1.2.1-1.24.2)	3	Point	762.34	2287.02
35	Recessed wiring with fan point Group-B	2	Point	498.73	997.46
36	S/F of metal box pf 150mmx75mmx60mm deep(Nominal size) etc all	2	each	192.84	385.68
37	S/F of 5amp switch and 5 amp socket outlet etc all	6	each	83.14	498.84
38	S/F of metal box pf 180mmx100mmx60mm deep(Nominal size) etc all	2	each	263.88	527.76
39	PVC insulated single core multistandard copper conductor of ISI mark (ISI mark to Hevels, V guard L&T Finolex)				
	.....do..... 2x1.5sqmm+1x1.5sqmm(1.8.1)	8	PM	120.11	960.88
	.....do..... 2x2.5sqmm+1x1.5sqmm(1.8.2)	6	PM	134.06	804.36
	.....do..... 2x1.4sqmm+1x1.5sqmm(1.8.3)	4	PM	151.44	605.76
40	Supply instation testing and commissioning main switch etc all				
	B-do-32amp ICDP main switch	1	each	851.58	851.58
41	200mmx250 mm x60mm deep (1.24.16) for fixing 32amp ICDP main switc	1	each	205.57	205.57
42	250mmx3000 mm x60mm deep (1.24.16) for fixing 64amp ICDP main switc	1	each	260.37	260.37
43	s/f B series sp MCB Box lighying and etc all	1	each	127.56	127.56
44	s/f B series sp MCB Box (250v)lighying and etc all	1	each	848.9	848.9
45	8watt CFL Imp,	3	each	606.05	1818.15
46	Holder BK angle	4	each	14.68	58.72
47	soldering of GI wire	1	PM	47.68	47.68
48	18-25 led tube light Fitting including bulb	4	each	688	2752
49	Fan regulator in existing switch board etc all.	2	each	280.82	561.64
50	Supply instation testing and commissioning 10watt led bulb etc all.				
51	Fitting and fixing of ceiling fan	2	each	167.58	335.16
		2	each	2200	4400
52	Wiring for circuit / sub main wiring alongwith earth wire with following sizes of PVC insulated single core multistrand copper conductor with ISI marked conforming to IS- 694/1990 in 20mm dia non metallic heavy duty flexible conduit 1.6mm in recessed PVC conduit as required (Make of wire- Finolex/ L & T /Anchor/ Hevels/V guard)				
a	-do-2x2.5sqmm +1x1.5sqmm (1.8.2)	21	Mtr.	134.06	2815.26
b	-do- 2x4sqmm +1x1.5sqmm (1.8.3)	19	Mtr.	151.44	2877.36
				Rs.	6,24,916.00

My quoted rate is (infigure) _____%(inwords) _____% excess over/less than/equal to the above estimated cost.

Signature of Contractor

Sold for the work

on payment of Rs. _____ (Rupees) only towards cost of tender paper vide Money Receipt No.

DM & PHO, Balasore

(Handwritten signature)

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TENDER SCHEDULE
(BILL OF QUANTITY)

Name of work-	Construction of Multi Utility Room at Saud under Bahanaga Block
Estimated Cost-	Rs-624851.00 lakh
E.M. to be Deposited-	1% of the Estimated cost
Cost Of Tender paper	Rs- 4000.00
Date of sale of Tender	
Date of Receipt of Tender	
Date of opening of Tender	
Time of completion	: Nine Calender Months
Class of Contractor	"D" & "C" Class

Sl. No.	DESCRIPTION OF ITEMS	No. or Qty	UNIT	Estimated	AMOUNT in Rupees
				Rate Figure	
1	Earth work in excavation of foundation in hard soil with all leads and lifts including dressing and levelling the bed and depositing the excavated earth complete as per specification and direction of the Engineer-in-charge.	31.57	1 Cum	184.69	5828.29
2	Supplying filling in foundation and plinth with fine coarse sand of approved quality in layer not exceeding 23.5 cm (5') free from organic and vegetation materials complete as per the specification and direction of the Engineer-in-charge(Measurement will be taken on finished compacted section only)	48.71	1 Cum	293.70	14306.06
3	Cement concrete of proportion (1:4:8) in foundation and plinth using 4cm size clean hard hand broken granite metal of approved quality from approved quarry including hoisting lowering & laying concrete complete as per specification and direction of the Engineer-in-charge.	6.69	1 Cum	4072.50	27252.73
4	R.C.C. work of M-20 grade with 12mm and down graded hard granite crusher broken chips of approved quality and from approved quarry including mixing, hoisting, lowering, laying and compacting concrete in layers all labour charges, T&P articles required for the work etc. complete as per the specification and direction of the Engineer-in-charge.				
	a) Coulmn base	4.53	1 Cum	4735.00	21440.08
	b) For plinth beam	2.64	1 Cum	4735.00	12500.40
	c) For Column & Beam in superstructure	3.68	1 Cum	10428.00	38377.25
	d) For Lintel	1.21	1 Cum	8326.00	10074.58
	e) For Chhaja	4.55	1 Sqm	774.00	3521.70
	f) For Roof slab	4.60	1 Cum	8909.00	40985.54
5	250mm thick Flyash brick work in cement mortar (1:6) after immersing brick for six hours in water before use in superstructure with good quality clamp burnt of brick 25 cm x 12 cm x 8 cm size having crushing strength not less than 100kg . Per Sqm. Including plays cutting circular molding and similar such type of work with necessary projections, chamfering and corbelling watering and curing etc. complete including cost conveyance and royalty of all materials with all taxes and all labour with T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.(F & P)	2.19	1 Cum	4160.00	9111.71

aditya sharma (B)

①

6	i)250mm thick flyash brick work in cement mortar (1:6) after immersing brick for six hours in water before use in superstructure with good quality clamp burnt of brick 25 cm x 12 cm x 8 cm size having crushing strength not less than 100kg . Per Sqm. Including spalls cutting circular molding and similar such type of work with necessary projections, channelling and corbelling watering and curing etc. complete including cost conveyance and royalty of all materials with all taxes and all labour with T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge (In Superstructure)	15.67	1 C. m	4193.90	65796.76
7	Straightening, bend up or coiled rod, cutting, bending, cranking, hooking welding or jointing (if required the MS/Tor rod and binding wire, laying the grills and placing in proper position as required for R.C.C. work providing fan hooks when necessary including cost all labour T&P required for the work as per the specification and direction of the Engineer-in-charge.	13.56	1 C. m	6077.00	82404.12
8	12mm thick cement plaster in Cement mortar (1:6) finished smooth to out side the plaster after racking out the joints of brick work with watering curing and cost conveyance, royalty taxes of all materials all labour T&P etc. complete in all respect as per specification and direction of the Engineer-in-charge.	123.97	1 C. m	132.50	16401.23
9	16mm thick cement plaster in Cement mortar (1:6) finished smooth to over brick walls after racking out the joints of brick work with watering curing and cost conveyance, royalty taxes of all materials all labour T&P etc. complete in all respect as per specification and direction of the Engineer-in-charge.	112.70	1 C. m	189.10	21356.65
10	Providing 6mm thick C.P. in R.C.C surface including close deep chipping & slurry treatment with cost, conveyance of materials labour, T&P required for the work including royalty etc. complete as per direction of the Engineer-in-charge.	44.86	1 C. m	149.10	6688.63
11	Fixing vetrified tiles of coloured/printed series(homogenous) in floors, treads or steps and landing on 25mm thick bed of cement mortar (1:1) (1cement:1sand) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including rubbing and polishing complete excluding cost of precast tiles per 1sqm .	70.23	1 Sq. m	942.90	66222.13
12	Providing and fixing Glazed tile in dado,skirting riser of steps on 12 mm thick cement plaster 1:3 jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubbing and polishing complet including cost of precast tiles, all materials,labour,t&p,all taxes of materials etc complete as per instruction of Architect and Engineer in charge.	7.01	1 Sq. m	686.00	4808.86
13	Providing fixing glazed floor tiles in floors, treads or steps and landing on 25mm thick bed of c:m (1:1) jointed with neat cement slurry mixed with pigment to match the shades of tiles including cost & conveyance o. materials, royalty labour, T &P etc. complete as per direction of the Engineer-in-charge.	7.21	1 Sq. m	714.20	5149.38
14	Providing for fitting & fixing M.S. grill as per approved desing in position iron fittings such as bolt, rings with all cost, conveyance royalty T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.	233.75	k	55.33	12933.39
15	Providing for fitting & fixing M.S. door as per approved desing in position iron fittings such as bolt, rings with all cost, conveyance royalty T&P articles required for the work etc. complete as per specification and direction of the Engineer-in-charge.	411.00	k	131.07	53868.82
16	Priming one coat with approved Water Bound wall cement on plastered Surface including cost of all materials etc complete as per specification and direction of the Engineer-in-charge.	281.53	1 Sq. m	58.10	16356.89
17	Distempering two coats to the wall surface with any approved paint over a one coat of primer including cost of distemper etc. conveyance, royalties and taxes of all materials and labour with T&P required for the work .etc. complete in all respect as per the specification & direction of the Engineer in charge.	157.56	1 Sq. m	62.34	9822.68

Index Sheet 3

3

18	Finishing wall with water proofing weather coat of approved shade on new work over a one coat of primer to given shade to outside wall with all cost, conveyance royalty taxes of all materials and all labour T&P required for the work etc. complete as per direction of the Engineer-in-charge.	123.52	1 Sqm	70.70	9086.34
19	Painting two coats of synthetic enamel paint over one coat of primer on steel surface including necessary preparation of surface, cost & conveyance of materials, labour, T&P etc. complete to shape as per direction of the Engineer-in-charge.	23.01	1 Sqm	189.50	5307.77
PHE					
20	Supplying all materials, labour T&P and fixing water closet, (Orissa pattern squatting pan) duly embeded in c.c. (1:5:10) using 4cm h.g. metal all complete as per direction of E.I.C.	1.00	NO	2,611.6	2611.60
21	a) (583x440)mm Orissa pan (Neycer/Cerra/ Parry ware/ Hindware) Supplying all materials, labour T&P and fixing Wash Down Water Closet(European type W.C. pan) with Integral 'S' or 'P' trap to the floor with wooden plug and C.P.screws including jointing the trap with soil pipe in C.M.(1:1) etc. all complete as per specification & direction of E.I.C	1.00	NO	2,176.7	2176.70
22	a) E.W.C. with 'S' trap plain(Neycer/Cerra/ Parryware/ Hindware) Supply of all labours,T&P for fixing of wash Basin with hole for taps with cast iron or MS bracket painted white including cutting hole in wall, making good to the damages etc. including cost of basin all complete as par PHE Sepcification	1.00	NO	3861.70	3861.70
23	Supply of all labours,T&P for fixing of wall mirror etc. including cost of wall mirror all complete as par PHE Sepcification	1.00	NO	768.90	768.90
24	Supply of all labours,T&P for fixing of Soil waste ventilating pipe and fitting to wall with nail,bobbins and wooden plugs as per specification and laying in trenches including earth work excavation in all kinds of soil and refilling of trenches etc. all including cost of basin all complete as par PHE Sepcification	17.00	Rmt	309.90	5268.30
25	Providing and laying in trenches unplasticised PVC pipe (ASTM S-80, 10 kg/sq cm) of the following nominal bore and pipe fitting including testing as per PHE specification including cost of PVC pipe.	17.00	Rmt	219.00	3723.00
26	Supply of all labours,T&P for fixing of C.P.long Body bib cock (T&P) of Following nominal size as par PHE Sepcification	2.00	NO	658.20	1316.40
27	Supply of all labours,T&P for fixing of C.P.conceal Stop cock (T&P) of Following nominal size as par PHE Sepcification	2.00	NO	747.30	1494.60
28	Supply of all labours,T&P for fixing of C.P.Flange (T&P) of Following nominal size as par PHE Sepcification	3.00	NO	40.30	120.90
29	Supply of all labours,T&P for fixing of C.P.pillar cock (T&P) of Following nominal size as par PHE Sepcification	2.00	NO	696.50	1393.00
30	Supply of all labours,T&P for fixing of C.P.Health phaucet(T&P) of Following nominal size as par PHE Sepcification	2.00	NO	544.50	1089.00
31	Supply of all labours,T&P for fixing of standard sized glass shelf with cp brass bracket and guard rail completed fixed to wooden plugs with screw etc.all complete as par PHE Sepcification	2.00	NO	451.40	902.80
32	Supply of all labours,T&P for fixing of CP soap holder completed fixed to wooden plugs with screw etc.all complete as par PHE Sepcification	2.00	NO	167.50	335.00
33	500 ltr water tank storage on the roof of ground floor details of cost for one tank	1.00	NO	4250.00	4250.00
34	Fitting and fixing of PVC door in toilet wall	2.00	NO	3000.00	6000.00
EI					
35	Recessed wiring to light point and exhaust fan point with 1.5sqm FR PVC insualated single core multistandard copper conductor of ISI mark 20mm dia non metallic PVC flexible conduct with 5AMP,25V,pino type switch make ETC as per direction of engineer in charge.				
	.....do..... Group A (1.2.1-1.24.2)	Point	3	287.85	863.55
	.....do..... Group B (1.2.1-1.24.2)	Point	3	498.73	1496.19
	.....do..... Group C(1.2.1-1.24.2)	Point	3	762.34	2287.02
	Recessed wiring with fan point Group-B	Point	3	498.73	1496.19
36	S/F of metal box pf 150mmx75mmx60mm deep(Nominal size) etc all	each	2	192.84	385.68

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1	S/F of 5amp switch and 5 amp socket outlet etc all		6	83.14	498.84
2	S/F of metal box pf 180mmx100mmx60mm deep(Nominal size) etc all		2	263.88	527.76
3	PVC insulated single core multistandard copper conductor of ISI mark (ISI mark to Hevels,V guard L&T Finolex)				
4	do..... 2x1.5sqmm+1x1.5sqmm(1.8.1)	1.8.1	8	120.11	960.88
5	do..... 2x2.5sqmm+1x1.5sqmm(1.8.2)	1.8.2	6	134.06	804.36
6	do..... 2x1.4sqmm+1x1.5sqmm(1.8.3)	1.8.3	4	151.44	605.76
7	Supply instation testing and commissioning main switch etc all				
8	B-do-32amp ICDP main switch		1	851.58	851.58
9	300mmx250 mm x60mm deep (1.24.16) for fixing 32amp ICDP main switc		1	205.57	205.57
10	300mmx300 mm x60mm deep (1.24.16) for fixing 64amp ICDP main switc		1	260.37	260.37
11	s/f B series sp MCB Box lighying and etc all		1	127.56	127.56
12	s/f B series sp MCB Box (250v)lighying and etc all		1	848.9	848.9
13	8watt CFL Imp,		4	606.05	2424.2
14	Holder BK angle		4	14.68	58.72
15	soldering of GI wire		1	47.68	47.68
16	18-25 led tube light Fitting including bulb		4	688	2752
17	Fan regulator in existing switch board etc all.		2	280.82	561.64
18	Supply instation testing and commissioning 10watt led bulb etc all		2	167.58	335.16
19	tilting and fixing of ceiling fan		2	2200	4400
20	Wiring for circuit / sub main wiring alongwith earth wire with following sizes of PVC insulated single core multistrand copper conductor with ISI marked conforming to IS 3043:1990 in 20mm dia non metallic heavy duty flexible conduit 1.6mm in recessed PVC conduit as required (Make of wire- Finolex/ L & T /Anchor/ Havel/V-guard)				
21	do..... 2.5sqmm +1x1.5sqmm (1.8.2)	1.8.2	25	134.06	3351.50
22	do..... 2x4sqmm +1x1.5sqmm (1.8.3)	1.8.3	25	151.44	3786.00
				Rs	6,24,851.00

M/s. quoted rate is (infigure) _____ % (in words) _____ % excess over/less than/equal to the above estimated cost.

Signature of Contractor

Sole for the work
 in payment of Rs. (Rupees) only towards cost of tender

(Handwritten signature)
15/12/20

CDM & PHO, Balasore

(Handwritten signature) (31) (4)

BILL OF QUANTITIES

**"New Construction of Multiutility Room at Basantisindhia
PHC(N) under Sadar block in the district Balasore for 2020-
21"**

Name of the work:-

Tender Call Notice No :-

Approx. Estimated Cost :- **Rs. 625005.00**

E.M.D. to be deposited :- **1% of estimated cost.**

Cost of Tender Paper :- **Rs. 4000/-**

Class of Contractor :- **'D' & 'C' Class**

Last Date of sale of tender Paper :-

Last Date of receipt of tender :-

Date of Opening of Tender :-

Time of Completion :-

Sl. No	Description of items	Unit	Quantity	Rate	Amount
1	Labour for cutting,bending, shifting to site,tying and placing in position HYSB Bar etc. complete.(in Ground	qtl	15.11	5068.48	76584.73
2	Earthwork in excavationin of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	13.93	184.60	2571.48
3	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	10.65	416.04	4430.83
4	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	5.83	4679.73	27282.83
5	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	2.84	5974.45	16967.44
6	RCC wok of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
6(a)	column base	Cum	3.39	5016.86	17007.16
6(b)	Grade beam in	Cum	2.81	5377.82	15111.67
6(c)	Column	Cum	1.82	10689.46	19454.82
6(e)	Lintel	Cum	1.43	8575.32	12262.71
6(f)	Chajja	Cum	7.16	745.38	5336.92
6(c)	Beam	Cum	2.10	10689.46	22447.87
6(g)	Roof slab	Cum	4.96	9159.71	45432.16
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	18.92	4377.64	82824.95
8	20mm thick cement plaster with c:m (1:4) including watering and	Cum	49.35	212.26	10475.03
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	98.24	192.33	18894.50
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	103.28	134.73	13914.91
11	Fixing ceramic tiles in floors, treads or steps and landing on 25mm thick bed of c.m. 1:1 jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of	sqm	4.28	984.04	4211.69
12	Fixing ceramic tiles in dados, treads or steps and landing on 12mm thick bed of c.m. 1:3 jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of	sqm	20.88	1038.18	21677.20
13	Fixing vetrified tiles in dados,skirting and riser of steps on 12 mm thick cement plaster 1:3 jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of precast tiles,all materials,labour.t&p,all taxes of materials etc complete.	sqm	36.37	1199.87	43639.27

14	12mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	sqm	5.93	152.88	906.58
15	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	sqm	37.35	150.61	5625.28
16	Supplying and fitting and fixing of M.S grill of approved design including all labour and material etc complete.	kg	102.00	114.32	11660.64
17	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	kg	201.33	59.74	12027.45
18	Painting 2 coats over 1-coat of primer including all labour and material etc complete.	kg	25.82	193.75	5002.63
19	Distempering 2 coats to wall distemper of approved shade with a coat of primer etc complete.	sqm	139.82	117.05	16365.93
20	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	98.78	128.91	12733.73
	Supplying all labour, materials, T&P, fitting and fixing of plastic door shutters to be made of selective PVC Profiles, The styles & rails are made of section measuring 24mm x 59mm. A lock rail is provided horizontally at the required place for strength and firmness measuring 24mm x 100mm. The panel are provided a size measuring 200mm x 20mm. All the four corners are provided with MS/Fibre 'L' angles of size 200mm x 100mm and fitted with steel screw. The door to be hanged to the frame with the help of 100mm S.S. hinges and self tapping screw three nos. steel handle two nos. and 150mm long steel tower bolt two nos. all complete as per specification and direction of E.I.C.(Joint less Single Piece)				
21	2 x 0.68 x 2.05=	sqm	2.72	2283.10	6210.03
22	Supplying all materials, labour T&P and fixing water closet, (Orissa pattern squatting pan) duly embeded in c.c. (1:5:10) using 4cm h.g. metal all complete as per direction of E.I.C.-- (583x440)mm Orissa pan (Neycer/Cerra/ Parry ware/ Hindware)	no	1.00	2832.50	2832.50
23	Supplying all materials, labour T&P and fixing Wash Down Water Closet(European type W.C. pan) with Integral 'S' or 'P' trap to the floor with wooden plug and C.P.screws including jointing the trap with soil pipe in C.M.(1:1) etc. all complete as per specification & direction of E.I.C-- E.W.C. with 'S' trap Plain(Neycer/Cerra/ Parry ware/ Hindware)	no	1.00	2310.10	2310.10
24	Supplying all materials, labour, T&P fitting and fixing Plastic Seat and cover for E.W.C. with chromium plated brass hinges and rubber buffers all complete as per specification and direction of E.I.C. (Neycer/ Cerra/Parry ware/ Hindware)	no	1.00	611.60	611.60
25	Supplying all materials, labour T&P and fitting & fixing U-PVC ventilating pipes and fittings of the following O.D conforming to ISI No. 4985/2000 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, e.w. in excavation in all kinds of soil and refilling of trenches as per direction of E.I.C.-- 110 mm dia U-PVC Pipes (4 Kgf/Cm2)	Mtr	5.30	217.70	1153.81
26	110 mm dia U-PVC P' Trap	Nos	5.00	299.70	1498.50
27	110 mm dia U-PVC Door cross Tee	Nos	1.00	350.30	350.30
28	110 mm dia U-PVC Door Bend	Nos	3.00	204.70	614.10
29	110 mm dia U-PVC Plain Bend	Nos	1.00	147.00	147.00

30	110 mm dia U-PVC Cowl	Nos	1.00	77.30	77.30
31	110 mm dia U-PVC Offset	Nos	1.00	180.50	180.50
32	125 mm dia C.P.grating	Nos	3.00	69.60	208.80
33	75 mm dia U-PVC Pipes (4 Kgf/Cm2)	Mtr	1.00	128.60	128.60
34	75 mm dia U-PVC Plain bend	Nos	1.00	93.00	93.00
35	75 mm dia U-PVC Door Bend	Nos	1.00	122.90	122.90
36	Supplying all materials, labour T&P and cutting holes through brick/stone masonry walls for taking PVC pipes and fittings including making good the damages etc. all complete as per P.H. specification and direction of E.I.C. -- 250 mm thick wall	Nos	1.00	174.80	174.80
37	375 mm thick wall	Nos	4.00	222.40	889.60
38	Supplying all materials, labour T&P and fixing wash basins with hole for pillar taps with C.I./M.S brackets painted white including holes in walls and making good the damages etc. all complete as per P.H specification and direction of E.I.C.-- 550mm x 400mm WHB with all Fittings with C.P. Waste, PVC Waste Pipe & Connection Pipe. (Neycer/Cerra/ Parry ware/ Hindware)	Nos	1.00	2660.10	2660.10
39	Supplying all materials, labour T&P and fixing mirror of superior glass mounted on 6mm thick plywood sheet and fixed to wooden plugs with C.P screws and washers complete as per P.H specification and direction of E.I.C.-- 600mm x 450mm B.E. Mirror (fixed type)	Nos	1.00	699.90	699.90
40	Supplying all materials, labour T&P and fixing standard size C.P. towel rail / ring complete with c.p. brass brackets fixed to wooden plugs with c.p screws as per P.H specification and direction of E.I.C. -- 25 mm x 600 mm long C.P Towel rail				
41	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
42	Supplying all materials, labour T&P and fixing standard size C.P. soap holder complete with c.p brass brackets fixed to wooden plugs with cp screws as per PH specification and direction of E.I.C C.P.Soap Holder.	Nos	3.00	268.90	806.70
43	Supplying all materials, labour T&P and constructing Inspection chamber of the following sizes with c.c (1:3:6) using 40mm size h.g. metal on bed, 1st class Fly Ash brickwork in c.m (1:6), moulding and shaping the channel inside and benching with c.c. (1:11/2:3) using 12mm size h.g. chips 12mm thick c.p. (1:3) with punning to inside cement flush pointing (1:3) to outside R.C.C. cover slab in c.c. (1:11/2:3) using 12 mm size h.g. chips with R.C.C. m.h. cover, e.w. in excavation in all kinds of soil and refilling the cavity around the chamber including watering, curing, conveyance of all materials to site payment of royalty, taxes etc. all complete as per approved specification and direction of the E.I.C. Inside size 760mm x 760mm x 460mm I.C.	Nos	1.00	7700.10	7700.10

44	Supplying all materials, labour, T&P and laying 110 mm dia U-PVC Pipe and aligning to requisite gradient inside the trench encasing all round of the pipe with c.c (1:3:6) using 4 CM size h.g. metal and CC(1:3:6) with 4CM size h.g. metal in the bed of the trench including lowering the pipes to the bed of the trench, earth excavation in trenches in all kinds of soil, refilling the same in layer of 0.3 mtrs with watering and ramming, removing of surplus earth, testing of sewerage line including use of T&P as per PH Specification and direction of E.I.C. 110 mm dia U-PVC Pipe Sewerage line with all round encasing (IS-4985/2000- 4 Kgf/Cm2)	Mtr	2.00	1077.80	2155.60
45	Supplying all materials, labour T&P and constructing soak way pit of the following sizes with dry brick walling form bottom up to invert of inlet pipe and 1st class Fly Ash brickwork in c.m(1:6) for the remaining height at top, 12 mm thick c.p(1:4) inside and outside over masonry brickwork gravel packing in the rear of well steining R.C.C. cover slab in c.c (1:11/2:3) using 12mm size h.g. chips fitted with iron lifting handles including e.w. in open well excavation in stoney earth and refilling the cavity around the pit & painting the iron works, watering , curing, conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per approved drawing, specification and direction of E.I.C.- 1.20mtrs.dia x 2.0mtr.deep soak way pit	Nos	1.00	14836.00	14836.00
46	Supplying all materials, labour, T&P and providing and fixing to wall or ceiling and floor PVC Pipes conforming to ASTM-D-1785/89(sch-40/80) and pipe fittings of the following nominal bore with clamps including making good the wall, ceiling and floor testing all complete as per specification and direction of E.I.C - 15 mm dia PVC (ASTM) Pipe [Internal]	Mtr	5.00	95.50	477.50
47	25mm dia HDPE Pipe [External Including E/W]	Mtr	30.00	89.57	2687.10
48	Supplying all materials, labour, T&P and cutting holes through brick/stone masonry works including making good the damages in c.m. (1:4) for taking P.V.C. pipes & fittings etc. all complete as per P.H. specification and direction of E.I.C.	Nos	4.00	47.80	191.20
49	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 as per direction of the E.I.C.	Mtr	5.00	162.40	812.00
50	Supplying all materials, labour, T&P and fitting & fixing brass /C.P. fittings of the following nominal bore with supply of all jointing materials etc. complete as per P.H. specification and direction of E.I.C. -- 15 mm dia C .P S.B. Bib Cock [Jaquar]	Nos	2.00	939.30	1878.60
51	15 mm dia C .P L.B. Bib Cock [Jaquar]	Nos	2.00	1160.80	2321.60
52	15 mm dia C .P Angle Stop Cock [Jaquar]	Nos	3.00	781.90	2345.70
53	15 mm dia C .P Pillar Cock with long neck [Jaquar]	Nos	1.00	1296.00	1296.00
54	15mm dia C.P. Two Way Bib cock [Jaquar]	Nos	1.00	1013.10	1013.10
55	15mm dia C.P. Health Faucet [Jaquar]	Nos	1.00	1308.40	1308.40
56	15 mm dia C .P Extension Piece	Nos	7.00	58.70	410.90
57	25 mm dia PVC F.W.V[Good Quality]	Nos	1.00	557.70	557.70

58	Supplying all materials, labour T&P and fitting & fixing 10 Litres capacity low level cistern with a pair of cast iron of m.s. brackets complete with fittings such as siphonic arrangements 15mm nominal size brass/pvc ball valve with polythene float, c.p. brass handle, unions and couplings for connection with inlet, outlet and overflow	Nos	2.00	1568.80	3137.60
59	Recessed wiring to light point with 1.5sqmm FR PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metalic PVC flexible conduit with 5Amp, 250V 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 and earth wire including all accessories and connection as per direction of engineer in charge (Make of wire = Finollex/L & T/ Anchor/Havels/ V-Guard) (deducting the cost of S/F of 100mmx100mmx60mm M.S.Box with bakelite cover - 1 no)				
60	-do- Light point Group A (1.1.1-1.24.2)	Point	9	290.87	2617.83
61	-do- Light point Group B (1.1.1-1.24.2)	Point	1	502.76	502.76
62	-do- Fan point Group B (1.1.2-1.24.2)	Point	2	502.76	1005.52
63	-do- Ex-Fan point Group B (1.1.3-1.24.2)	Point	2	767.38	1534.76
64	S/F of 16/18 SWG metal box of following sizes (Nominal size) in recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of Recessed conduit as required.				
65	-do-200mmx150mmx60mm deep(1.24.7)	Each	4	165.29	661.16
66	S/F of 5 amp switch and 5A socket out let of ISI marked on existing board (1.25.1 & 1.25.4)	Each	2	83.14	166.28
67	S/F of metal box of 180mm x 100mm x 60mm deep (Nominal size) in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 5pin 15/16 amp. socket out let & 15/16 amp. piano type switch, connection, painting etc as required (1.27)	Each	1	263.88	263.88
68	Wiring for circuit / sub main wiring alongwith earth wire with following sizes of PVC insulated single core multistrand copper conductor with ISI marked conforming to IS- 694/1990 in 20mm dia non metallic heavy duty flexible conduit 1.6mm in recessed PVC conduit as required (Make of wire- Finollex/ L & T /Anchor/ Havels/V-guard).				
69	-do-2x2.5sqmm +1x1.5sqmm (1.8.2)	Mtr.	30	134.06	4021.80
70	-do- 2x4sqmm +1x1.5sqmm (1.8.3)	Mtr.	10	151.44	1514.40
71	Supply, Installation testing and commissioning of 63 Amp. IC DP Main Switches (IS13940 part 3/1993) with supply of metal box of following capacity on existing surface/Wall mounting & complete with H.R.C fuse links, inter connections earthing etc as required as per direction of Engineer Incharge(Make-Anchor) (2.15.1)	Each	1	2060.55	2060.55
72	250mmx300mmx100mm deep(1.24.13) for fixing 63Amp IC DP Main switch.	Each	1	274.07	274.07
73	S/F of 'B' series SP MCB of 5A to 32 Amp rating 240Volt "B" series MCB for lighting and other loads in the existing MCB Distribution board ISI marked complete with connection, testing and commissioning etc. as required single pole (SP)(2.6.1)	Each	3	127.50	382.50

74	S/F of following 4way single pole and neutral sheet steel MCB DISTRIBUTION BOARD 250v on surface /recess complete with tinned copper bus bar, neutral bar, earth bar, din bar ,detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (except MCB) 2.3.1.	Each	1	848.90	848.90
75	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	5	14.68	73.40
76	Earthing with G.I. earth pipe 3 metre long 40 mm dia ISI marked including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as required.(3.2)	Each	1	2380.85	2380.85
77	Supply and laying 6 SWG G.I wire in recess for loop earthing as required (3.18)	Mtr.	7	47.68	333.76
78	Supply & Fixing of 48" A.C. ceiling fan without regulator incudig numbering of reputed mark including all connections (Make:Usha-Striker One/Neo/ Crompton-Riviera highspeed/Havells-Samrat/ Anchor-Penta Turbo/Orient-Summer king/ Breeze)	Each	2	2103.00	4206.00
79	S/F of electric step ceiling fan regulator in existing switch box including connection with 1.5sqmm FR PVC insulated single core multistrand copper conductor earthing the regulator as required.(1.38)	Each	2	284.17	568.34
80	S/F of Fan hok S'type made of 16mm MS rod as per specificationn	Each	2	204.00	408.00
81	Supply, Installation,Testing and Commissioning of Exhaust fan of 225mm sweep in the existing opening,including making the hole to suit the size of the above fan making good the damaged complete, connection, etc as required. (Make- USHA Turbojet)	Each	2	2078.61	4157.22
82	S/F of 32-35 watt LED street light fitting complete with all connection.\ including fixing of bracket and all accessories as per direction of Engineer-In-charge (Make: Havels /Phillips /Crompton/Polycab/PAC/HPL)	Each	1	3380.00	3380.00
83	S/F of 18-25 watt LED Tube light fitting compoete with all connection.\ including fixing and all accessories as per direction of Engineer-In-charge (Make: Havels /Phillips /Crompton/Polycab/PAC/HPL)	Each	4	657.00	2628.00
84	S/F of 9W LED bulb (Make: Havels /Phillips /Crompton/Polycab/PAC/HPL)	Each	5	167.58	837.90
				Total	625004.72
				Say	625005.00

TOTAL 84(Eighty four) Items only

My/ our quoted rate is.....% Excess over /

Less than / equal to the estimated cost of Rs. 625005.00

(Rate to be quoted both figure & ward)

Signature of Contractor

Sold on payment of Rs. /- (Rupees) Only

towards cost of tender paper with VAT vide M.R.No. _____ dt. _____

 **APPROVED**

Chief District Medical & PHO
Balasure

WORK SL. No - (4) page No - (6)

BILL OF QUANTITIES

Name of the work:-

**"New Construction of Multiutility Room at Parikhi PHC(N)
under Sadar block in the district Balasore for 2020-21"**

Tender Call Notice No :-
 Approx. Estimated Cost :- **Rs. 625003.00**
 E.M.D. to be deposited :- **1% of estimated cost.**
 Cost of Tender Paper :- **Rs. 4000/-**
 Class of Contractor :- **'D' & 'C' Class**
 Last Date of sale of tender Paper :-
 Last Date of receipt of tender :-
 Date of Opening of Tender :-
 Time of Completion :-

Sl. No	Description of items	Unit	Quantity	Rate	Amount
1	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete. (in Ground)	qtl	15.11	5079.83	76756.23
2	Earthwork in excavation in of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	13.93	184.60	2571.48
3	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	6.90	433.82	2993.36
4	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	5.83	4700.94	27406.48
5	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	2.84	6006.04	17057.15
6	RCC wok of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
6(a)	column base	Cum	3.39	5051.08	17123.16
6(b)	Grade beam in	Cum	2.81	5412.03	15207.80
6(c)	Column	Cum	1.82	10723.68	19517.10
6(e)	Lintel	Cum	1.43	8609.54	12311.64
6(f)	Chajja	Cum	7.16	747.55	5352.46
6(c)	Beam	Cum	2.10	10723.68	22519.73
6(g)	Roof slab	Cum	4.96	9193.93	45601.89
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	18.92	4403.90	83321.79
8	20mm thick cement plaster with c:m (1:4) including watering and	Cum	49.35	213.42	10532.28
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	98.24	193.12	18972.11
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	103.28	135.39	13983.08
11	Fixing ceramic tiles in floors, treads or steps and landing on 25mm thick bed of c.m. 1:1 jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of	sqm	4.28	987.23	4225.34
12	Fixing ceramic tiles in dados, treads or steps and landing on 12mm thick bed of c.m. 1:3 jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of	sqm	20.88	1039.94	21713.95

WORK SL. No - (5) page No - (1)

13	Fixing verified tiles in dados, skirting and riser of steps on 12 mm thick cement plaster 1:3 jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of precast tiles, all materials, labour, & p, all taxes of materials etc complete.	sqm	36.37	1203.06	43755.29
14	12mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	sqm	2.96	153.84	455.37
15	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	sqm	37.35	151.15	5645.45
16	Supplying and fitting and fixing of M.S grill of approved design including all labour and material etc complete.	kg	103.00	114.32	11774.96
17	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	kg	200.00	59.74	11948.00
18	Painting 2 coats over 1-coat of primer including all labour and material etc complete.	kg	25.82	193.75	5002.63
19	Distemping 2 coats to wall distemper of approved shade with a coat of primer etc complete.	sqm	139.82	117.05	16365.93
20	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	98.78	128.91	12733.73
21	2 x 0.68 x 2.05=	sqm	2.72	2283.10	6210.03
22	Supplying all materials, labour T&P and fixing water closet, (Orissa pattern squatting pan) duly embedded in c.c. of E.I.C.-- (583x440)mm Orissa pan (Neycer/Cerra/Parry ware/ Hindware)	no	1.00	2832.50	2832.50
23	Supplying all materials, labour T&P and fixing Wash Down Water Closet(European type W.C. pan) with Integral 'S' or 'P' trap to the floor with wooden plug and C.P.screws including jointing the trap with soil pipe in C.M (1:1) etc. all complete as per specification & direction of E.I.C.-- E.W.C. with 'S' trap Plain(Neycer/Cerra/ Parry ware/ Hindware)	no	1.00	2310.10	2310.10
24	Supplying all materials, labour, T&P fitting and fixing Plastic Seat and cover for E.W.C. with chromium plated brass hinges and rubber buffers all complete as per specification and direction of E.I.C. (Neycer/ Cerra/Parry ware/ Hindware)	no	1.00	611.60	611.60

25	Supplying all materials, labour T&P and fitting & fixing U-PVC ventilating pipes and fittings of the following O.D conforming to ISI No. 4985/2000 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, e.w. in excavation in all kinds of soil and refilling of trenches as per direction of E.I.C.-- 110 mm dia U-PVC Pipes (4 Kgf/Cm2)	Mtr	5.30	217.70	1153.81
26	110 mm dia U-PVC P' Trap	Nos	5.00	299.70	1498.50
27	110 mm dia U-PVC Door cross Tee	Nos	1.00	350.30	350.30
28	110 mm dia U-PVC Door Bend	Nos	3.00	204.70	614.10
29	110 mm dia U-PVC Plain Bend	Nos	1.00	147.00	147.00
30	110 mm dia U-PVC Cowl	Nos	1.00	77.30	77.30
31	110 mm dia U-PVC Offset	Nos	1.00	180.50	180.50
32	125 mm dia C.P.grating	Nos	3.00	69.60	208.80
33	75 mm dia U-PVC Pipes (4 Kgf/Cm2)	Mtr	1.00	128.60	128.60
34	75 mm dia U-PVC Plain bend	Nos	1.00	93.00	93.00
35	75 mm dia U-PVC Door Bend	Nos	1.00	122.90	122.90
36	Supplying all materials, labour T&P and cutting holes through brick/stone masonry walls for taking PVC pipes and fittings including making good the damages etc. all complete as per P.H. specification and direction of E.I.C. -- 250 mm thick wall	Nos	1.00	174.80	174.80
37	375 mm thick wall	Nos	4.00	222.40	889.60
38	Supplying all materials, labour T&P and fixing wash basins with hole for pillar taps with C.I./M.S brackets painted white including holes in walls and making good the damages etc. all complete as per P.H specification and direction of E.I.C.-- 550mm x 400mm WHB with all Fittings with C.P. Waste, PVC Waste Pipe & Connection Pipe. (Neycer/Cerra/ Parry ware/ Hindware)	Nos	1.00	2660.10	2660.10
39	Supplying all materials, labour T&P and fixing mirror of superior glass mounted on 6mm thick plywood sheet and fixed to wooden plugs with C.P screws and washers complete as per P.H specification and direction of E.I.C.-- 600mm x 450mm B.E. Mirror (fixed type)	Nos	1.00	699.90	699.90
40	Supplying all materials, labour T&P and fixing standard size C.P. towel rail / ring complete with c.p. brass brackets fixed to wooden plugs with c.p screws as per P.H specification and direction of E.I.C. -- 25 mm x 600 mm long C.P Towel rail				
41	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
42	Supplying all materials, labour T&P and fixing standard size C.P. soap holder complete with c.p brass brackets fixed to wooden plugs with cp screws as per PH specification and direction of E.I.C C.P.Soap Holder.	Nos	3.00	268.90	806.70

43	Supplies all materials, labour T&P and constructing inspection chamber of the following sizes with c.c (1:3:6) brickwork in c.m (1:6); moulding and shaping the channel inside and benching with c.c. (1:1/2:3) using 12mm size h.g. chips 12mm thick c.p. (1:3) with punning to inside cement flush pointing (1:3) to outside R.C.C. cover slab in c.c. (1:1/2:3) using 12 mm size h.g. chips with R.C.C. m.h. cover, e.w. in excavation in all kinds of soil and refilling the cavity around the chamber including watering, curing, conveyance of all materials to site payment of royalty, taxes etc. all complete as per approved specification and direction of the E.I.C. Inside size 760mm x 760mm x 460mm I.C.	Nos	1.00	7700.10	7700.10
44	Supplies all materials, labour, T&P and laying 110 mm dia U-PVC Pipe and aligning to requisite gradient inside the trench encasing all round of the pipe with c.c (1:3:6) using 4 CM size h.g. metal and CC(1:3:6) with 4CM size pipes to the bed of the trench, earth excavation in trenches in all kinds of soil, refilling the same in layer of 0.3 mtrs with watering and ramming, removing of surplus earth, testing of sewerage line including use of T&P as per PH Specification and direction of E.I.C. 110 mm dia U-PVC Pipe Sewerage line with all round encasing (IS-4985/2000-4 Kg/Cm ²)	Mtr	2.00	1077.80	2155.60
45	Supplies all materials, labour T&P and constructing soak way pit of the following sizes with dry brick walling form bottom up to invert of inlet pipe and 1st class Fly Ash brickwork in c.m(1:6) for the remaining height at top, 12 mm thick c.p.(1:4) inside and outside over masonry brickwork gravel packing in the rear of well steining R.C.C. cover slab in c.c (1:1/2:3) using 12mm size h.g. chips fitted with iron lifting handles including e.w. in open well excavation in stoney earth and refilling the cavity around the pit & painting the iron works, watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per approved drawing, specification and direction of E.I.C.- 1.20mtrs.dia x 2.0mtr.deep soak way pit	Nos	1.00	14836.00	14836.00
46	Supplies all materials, labour, T&P and providing and fixing to wall or ceiling and floor PVC Pipes conforming to ASTM-D-1785/89(sch-40/80) and pipe fittings of the following nominal bore with clamps including making good the wall, ceiling and floor testing all complete as per specification and direction of E.I.C - 15 mm dia PVC (ASTM) Pipe [Internal]	Mtr	5.00	95.50	477.50
47	25mm dia HDPE Pipe [External including E/W]	Mtr	30.00	89.57	2687.10
48	Supplies all materials, labour, T&P and cutting holes through brick/stone masonry works including making good the damages in c.m. (1:4) for taking P.V.C. pipes & fittings etc. all complete as per P.H. specification and direction of E.I.C.	Nos	4.00	47.80	191.20
49	Supplies 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 as per direction of the E.I.C.	Mtr	5.00	162.40	812.00

50	Supplying all materials, labour, T&P and fitting & fixing brass /C.P. fittings of the following nominal bore with supply of all jointing materials etc. complete as per P.H. specification and direction of E.I.C. – 15 mm dia C .P S.B. Bib Cock [Jaquar]	Nos	2.00	939.30	1878.60
51	15 mm dia C .P L.B. Bib Cock [Jaquar]	Nos	2.00	1160.80	2321.60
52	15 mm dia C .P Angle Stop Cock [Jaquar]	Nos	3.00	781.90	2345.70
53	15 mm dia C .P Pillar Cock with long neck [Jaquar]	Nos	1.00	1296.00	1296.00
54	15mm dia C.P. Two Way Bib cock [Jaquar]	Nos	1.00	1013.10	1013.10
55	15mm dia C.P. Health Faucet [Jaquar]	Nos	1.00	1308.40	1308.40
56	15 mm dia C .P Extension Piece	Nos	7.00	58.70	410.90
57	25 mm dia PVC F.W.V[Good Quality]	Nos	1.00	557.70	557.70
58	Supplying all materials, labour T&P and fitting & fixing 10 Litres capacity low level cistern with a pair of cast iron of m.s. brackets complete with fittings such as siphonic arrangements 15mm nominal size brass/pvc ball valve with polythene float, c.p. brass handle, unions and <u>couplings for connection with inlet, outlet and overflow</u>	Nos	2.00	1568.80	3137.60
59	Recessed wiring to light point with 1.5sqmm FR PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metalic PVC flexible conduit with 5Amp , 250V 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 and earth wire including all accessories and connection as per direction of engineer in charge (Make of wire = Finollex/L & T/ Anchor/Havels/ V-Guard) (deducting the cost of S/F of 100mmx 100mmx60mm M.S.Box with bakelite cover - 1 no)				
60	-do- Light point Group A (1.1.1-1.24.2)	Point	9	290.87	2617.83
61	-do- Light point Group B (1.1.1-1.24.2)	Point	1	502.76	502.76
62	-do- Fan point Group B (1.1.2-1.24.2)	Point	2	502.76	1005.52
63	-do- Ex-Fan point Group B (1.1.3-1.24.2)	Point	2	767.38	1534.76
64	S/F of 16/18 SWG metal box of following sizes (Nominal size) in recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of Recessed conduit as required.				
65	-do-200mmx150mmx60mm deep(1.24.7)	Each	4	165.29	661.16
66	S/F of 5 amp switch and 5A.socket outlet of ISI marked on existing board (1.25.1 & 1.25.4)	Each	2	83.14	166.28
67	S/F of metal box of 180mm x 100mmx 60mm deep (Nominal size) in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 5pin 15/16 amp. socket outlet & 15/16 amp. piano type switch, connection, painting etc as required (1.27)	Each	1	263.88	263.88
68	Wiring for circuit / sub main wiring alongwith earth wire with following sizes of PVC insulated single core multistrand copper conductor with ISI marked conforming to IS- 694/1990 in 20mm dia non metallic heavy duty flexible conduit 1.6mm in recessed PVC conduit as required (Make of wire- Finollex/ L & T /Anchor/ Havels/V-guard).				
69	-do-2x2.5sqmm +1x1.5sqmm (1.8.2)	Mtr.	30	134.06	4021.80
70	-do- 2x4sqmm +1x1.5sqmm (1.8.3)	Mtr.	10	151.44	1514.40

71	Supply, installation testing and commissioning of 63 Amp. IC DP Main Switches (IS13940 part 3/1993) with supply of metal box of following capacity on existing surface/Wall mounting & complete with H.R.C fuse links, inter connections earthing etc as required as per direction of Engineer Incharge(Make-Anchor) (2.15.1)	Each	1	2060.55	2060.55
72	250mmx300mmx100mm deep(1.24.13) for fixing 63Amp IC DP Main switch.	Each	1	274.07	274.07
73	S/F of 'B' series SP MCB of 5A to 32 Amp rating 240Volt "B" series MCB for lighting and other loads in the existing MCB Distribution board ISI marked complete with connection, testing and commissioning etc. as required single pole (SP)(2.6.1)	Each	3	127.50	382.50
74	S/F of following 4way single pole and neutral sheet steel MCB DISTRIBUTION BOARD 250v on surface /recess complete with tinned copper bus bar, neutral bar, earth bar, din bar ,detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (except MCB) 2.3.1.	Each	1	848.90	848.90
75	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	5	14.68	73.40
76	Earthing with G.I. earth pipe 3 metre long 40 mm dia ISI marked including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as required.(3.2)	Each	1	2380.85	2380.85
77	Supply and laying 6 SWG G.I wire in recess for loop earthing as required (3.18)	Mtr.	7	47.68	333.76
78	Supply & Fixing of 48" A.C. ceiling fan without regulator including numbering of reputed mark including all connections (Make:Usa-Striker One/Neol/ Crompton-Riviera highspeed/Havells-Samrat/ Anchor-Penta Turbo/Orient-Summer king/Breeze)	Each	2	2103.00	4206.00
79	S/F of electric step ceiling fan regulator in existing switch box including connection with 1.5sqmm FR PVC insulated single core multistrand copper conductor earthing the regulator as required.(1.38)	Each	2	284.17	568.34
80	S/F of Fan hok S/Type made of 16mm MS rod as per specification	Each	2	204.00	408.00
81	Supply, Installation, Testing and Commissioning of Exhaust fan of 225mm sweep in the existing opening,including making the hole to suit the size of the above fan making good the damaged complete, connection, etc as required. (Make- USHA Turbojet)	Each	2	2078.61	4157.22
82	S/F of 32-35 watt LED street light fitting complete with all connection, \ including fixing of bracket and all accessories as per direction of Engineer-In-charge (Make: Havells /Philips /Crompton/Polycab/PAC/HPL)	Each	1	3380.00	3380.00
83	S/F of 18-25 watt LED Tube light fitting compoete with all connection, \ including fixing and all accessories as per direction of Engineer-In-charge (Make: Havells /Philips /Crompton/Polycab/PAC/HPL)	Each	4	657.00	2628.00
84	S/F of 9W LED bulb (Make: Havells /Philips /Crompton/Polycab/PAC/HPL)	Each	5	167.58	837.90

Total 625002.71
Say 625003.00

TOTAL 84(Eighty four) Items only

My/ our quoted rate is.....% Excess over /

Less than / equal to the estimated cost of Rs. 625003.00

(Rate to be quoted both figure & ward)

Signature of Contractor

Sold on payment of Rs. /- (Rupees) Only

towards cost of tender paper with VAT vide M.R.No. _____ dt. _____

APPROVED



Chief District Medical & PHO
Balasore

WORK SL. No. (5) page No. (7)

BILL OF QUANTITIES

Name of the work:-

"New Construction of Multiutility Room at Rasalpur PHC(N)
under Sadar block in the district Balasore for 2020-21"

Tender Call Notice No :-
 Approx. Estimated Cost :- **624801.00**
 E.M.D. to be deposited :- **1% of estimated cost.**
 Cost of Tender Paper :- **Rs. 4000/-**
 Class of Contractor :- **'D' & 'C' Class**
 Last Date of sale of tender Paper :-
 Last Date of receipt of tender :-
 Date of Opening of Tender :-
 Time of Completion :-

Sl. No	Description of items	Unit	Quantity	Rate	Amount
1	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete. (in Ground)	qtl	15.11	5068.48	76584.73
2	Earthwork in excavation in of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	13.93	184.60	2571.48
3	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	10.65	460.48	4904.11
4	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	5.83	4598.53	26809.43
5	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	2.84	5898.93	16752.96
6	RCC wok of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
6(a)	column base	Cum	3.39	4940.74	16749.11
6(b)	Grade beam in GF	Cum	2.81	5301.69	14897.75
6(c)	Column	Cum	1.82	10613.33	19316.26
6(e)	Lintel	Cum	1.43	8499.20	12153.86
6(f)	Chajja	Cum	7.16	740.54	5302.27
6(c)	Beam	Cum	2.10	10613.33	22287.99
6(g)	Roof slab	Cum	4.96	9083.59	45054.61
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	18.92	4425.11	83723.08
8	20mm thick cement plaster with c:m (1:4) including watering and	Cum	49.35	213.19	10520.93
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	98.24	193.13	18973.09
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	103.28	135.40	13984.11
11	12mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	sqm	5.93	153.55	910.55
12	Fixing ceramic tiles in floors, treads or steps and landing on 25mm thick bed of c.m. 1:1 jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of	sqm	4.28	984.62	4214.17
13	Fixing ceramic tiles in dados, treads or steps and landing on 12mm thick bed of c.m. 1:3 jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of	sqm	20.88	1038.85	21691.19

14	Fixing vetrified tiles in dados,skirting and riser of steps on 12 mm thick cement plaster 1:3 jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of precast tiles,all materials,labour.t&p,all taxes of materials etc complete.	sqm	36.37	1200.46	43660.73
15	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	sqm	37.35	150.94	5637.61
16	Supplying and fitting and fixing of M.S grill of approved design including all labour and material etc complete.	kg	105.50	114.32	12060.76
17	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	kg	200.00	59.74	11948.00
18	Painting 2 coats over 1-coat of primer including all labour and material etc complete.	kg	23.00	193.75	4456.25
19	Distempering 2 coats to wall distemper of approved shade with a coat of primer etc complete.	sqm	139.82	117.05	16365.93
20	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	101.74	128.91	13115.30
	Supplying all labour, materials, T&P, fitting and fixing of plastic door shutters to be made of selective PVC Profiles, The styles & rails are made of section measuring 24mm x 59mm. A lock rail is provided horizontally at the required place for strength and firmness measuring 24mm x 100mm. The panel are provided a size measuring 200mm x 20mm. All the four corners are provided with MS/Fibre 'L' angles of size 200mm x 100mm and fitted with steel screw. The door to be hanged to the frame with the help of 100mm S.S. hinges and self tapping screw three nos. steel handle two nos. and 150mm long steel tower bolt two nos. all complete as per specification and direction of E.I.C.(Joint less Single Piece)				
21	2 x 0.68 x 2.05=	sqm	2.72	2283.10	6210.03
22	Supplying all materials, labour T&P and fixing water closet, (Orissa pattern squatting pan) duly embeded in c.c. (1:5:10) using 4cm h.g. metal all complete as per direction of E.I.C.-- (583x440)mm Orissa pan (Neycer/Cerra/ Parry ware/ Hindware)	no	1.00	2832.50	2832.50
23	Supplying all materials, labour T&P and fixing Wash Down Water Closet(European type W.C. pan) with Integral 'S' or 'P' trap to the floor with wooden plug and C.P.screws including jointing the trap with soil pipe in C.M.(1:1) etc. all complete as per specification & direction of E.I.C-- E.W.C. with 'S' trap Plain(Neycer/Cerra/ Parry ware/ Hindware)	no	1.00	2310.10	2310.10
24	Supplying all materials, labour, T&P fitting and fixing Plastic Seat and cover for E.W.C. with chromium plated brass hinges and rubber buffers all complete as perr specification and direction of E.I.C. (Neycer/ Cerra/Parry ware/ Hindware)	no	1.00	611.60	611.60
25	Supplying all materials, labour T&P and fitting & fixing U-PVC ventilating pipes and fittings of the following O.D conforming to ISI No. 4985/2000 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, e.w. in excavation in all kinds of soil and refilling of trenches as per direction of E.I.C.-- 110 mm dia U-PVC Pipes (4 Kgf/Cm2)	Mtr	5.30	217.70	1153.81

26	110 mm dia U-PVC P' Trap	Nos	5.00	299.70	1498.50
27	110 mm dia U-PVC Door cross Tee	Nos	1.00	350.30	350.30
28	110 mm dia U-PVC Door Bend	Nos	3.00	204.70	614.10
29	110 mm dia U-PVC Plain Bend	Nos	1.00	147.00	147.00
30	110 mm dia U-PVC Cowl	Nos	1.00	77.30	77.30
31	110 mm dia U-PVC Offset	Nos	1.00	180.50	180.50
32	125 mm dia C.P. grating	Nos	3.00	69.60	208.80
33	75 mm dia U-PVC Pipes (4 Kgf/Cm2)	Mtr	1.00	128.60	128.60
34	75 mm dia U-PVC Plain bend	Nos	1.00	93.00	93.00
35	75 mm dia U-PVC Door Bend	Nos	1.00	122.90	122.90
36	Supplying all materials, labour T&P and cutting holes through brick/stone masonry walls for taking PVC pipes and fittings including making good the damages etc. all complete as per P.H. specification and direction of E.I.C. -- 250 mm thick wall	Nos	1.00	174.80	174.80
37	375 mm thick wall	Nos	4.00	222.40	889.60
38	Supplying all materials, labour T&P and fixing wash basins with hole for pillar taps with C.I/M.S brackets painted white including holes in walls and making good the damages etc. all complete as per P.H specification and direction of E.I.C.-- 550mm x 400mm WHB with all Fittings with C.P. Waste, PVC Waste Pipe & Connection Pipe. (Neycer/Cerra/ Parry ware/ Hindware)	Nos	1.00	2660.10	2660.10
39	Supplying all materials, labour T&P and fixing mirror of superior glass mounted on 6mm thick plywood sheet and fixed to wooden plugs with C.P screws and washers complete as per P.H specification and direction of E.I.C.-- 600mm x 450mm B.E. Mirror (fixed type)	Nos	1.00	699.90	699.90
40	Supplying all materials, labour T&P and fixing standard size C.P. towel rail / ring complete with c.p. brass brackets fixed to wooden plugs with c.p screws as per P.H specification and direction of E.I.C. -- 25 mm x 600 mm long C.P Towel rail				
41	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
42	Supplying all materials, labour T&P and fixing standard size C.P. soap holder complete with c.p brass brackets fixed to wooden plugs with cp screws as per PH specification and direction of E.I.C C.P.Soap Holder.	Nos	3.00	268.90	806.70
43	Supplying all materials, labour T&P and constructing inspection chamber of the following sizes with c.c (1:3:6) using 40mm size h.g. metal on bed, 1st class Fly Ash brickwork in c.m (1:6), moulding and shaping the channel inside and benching with c.c. (1:11/2:3) using 12mm size h.g. chips 12mm thick c.p. (1:3) with punning to inside cement flush pointing (1:3) to outside R.C.C. cover slab in c.c. (1:11/2:3) using 12 mm size h.g. chips with R.C.C. m.h. cover, e.w. in excavation in all kinds of soil and refilling the cavity around the chamber including watering, curing, conveyance of all materials to site payment of royalty, taxes etc. all complete as per approved specification and direction of the E.I.C. Inside size 760mm x 760mm x 460mm I.C.	Nos	1.00	7700.10	7700.10

44	Supplying all materials, labour, T&P and laying 110 mm dia U-PVC Pipe and aligning to requisite gradient inside the trench encasing all round of the pipe with c.c (1:3:6) using 4 CM size h.g. metal and CC(1:3:6) with 4CM size h.g. metal in the bed of the trench including lowering the pipes to the bed of the trench, earth excavation in trenches in all kinds of soil, refilling the same in layer of 0.3 mtrs with watering and ramming, removing of surplus earth, testing of sewerage line including use of T&P as per PH Specification and direction of E.I.C. 110 mm dia U-PVC Pipe Sewerage line with all round encasing (IS-4985/2000- 4 Kgf/Cm2)	Mtr	2.00	1077.80	2155.60
45	Supplying all materials, labour T&P and constructing soak way pit of the following sizes with dry brick walling form bottom up to invert of inlet pipe and 1st class Fly Ash brickwork in c.m(1:6) for the remaining height at top, 12 mm thick c.p(1:4) inside and outside over masonry brickwork gravel packing in the rear of well steining R.C.C. cover slab in c.c (1:11/2:3) using 12mm size h.g. chips fitted with iron lifting handles including e.w. in open well excavation in stoney earth and refilling the cavity around the pit & painting the iron works, watering , curing, conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per approved drawing, specification and direction of E.I.C.- 1.20mtrs.dia x 2.0mtr.deep soak way pit	Nos	1.00	14836.00	14836.00
46	Supplying all materials, labour, T&P and providing and fixing to wall or ceiling and floor PVC Pipes conforming to ASTM-D-1785/89(sch-40/80) and pipe fittings of the following nominal bore with clamps including making good the wall, ceiling and floor testing all complete as per specification and direction of E.I.C - 15 mm dia PVC (ASTM) Pipe [Internal]	Mtr	5.00	95.50	477.50
47	25mm dia HDPE Pipe [External Including E/W]	Mtr	30.00	89.57	2687.10
48	Supplying all materials, labour, T&P and cutting holes through brick/stone masonry works including making good the damages in c.m. (1:4) for taking P.V.C. pipes & fittings etc. all complete as per P.H. specification and direction of E.I.C.	Nos	4.00	47.80	191.20
49	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 as per direction of the E.I.C.	Mtr	5.00	162.40	812.00
50	Supplying all materials, labour, T&P and fitting & fixing brass /C.P. fittings of the following nominal bore with supply of all jointing materials etc. complete as per P.H. specification and direction of E.I.C. -- 15 mm dia C .P S.B. Bib Cock [Jaquar]	Nos	2.00	939.30	1878.60
51	15 mm dia C .P L.B. Bib Cock [Jaquar]	Nos	2.00	1160.80	2321.60
52	15 mm dia C .P Angle Stop Cock [Jaquar]	Nos	3.00	781.90	2345.70
53	15 mm dia C .P Pillar Cock with long neck [Jaquar]	Nos	1.00	1296.00	1296.00
54	15mm dia C.P. Two Way Bib cock [Jaquar]	Nos	1.00	1013.10	1013.10
55	15mm dia C.P. Health Faucet [Jaquar]	Nos	1.00	1308.40	1308.40
56	15 mm dia C .P Extension Piece	Nos	7.00	58.70	410.90
57	25 mm dia PVC F.W.[Good Quality]	Nos	1.00	557.70	557.70

58	Supplying all materials, labour T&P and fitting & fixing 10 Litres capacity low level cistern with a pair of cast iron of m.s. brackets complete with fittings such as siphonic arrangements 15mm nominal size brass/pvc ball valve with polythene float, c.p. brass handle, unions and couplings for connection with inlet, outlet and overflow.	Nos	2.00	1568.80	3137.60
59	Recessed wiring to light point with 1.5sqmm FR PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC flexible conduit with 5Amp, 250V 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 and earth wire including all accessories and connection as per direction of engineer in charge (Make of wire = Finollex/L & T/ Anchor/Havels/ V-Guard) (deducting the cost of S/F of 100mmx 100mmx60mm M.S.Box with bakelite cover - 1 no)				
60	-do- Light point Group A (1.1.1-1.24.2)	Point	9	290.87	2617.83
61	-do- Light point Group B (1.1.1-1.24.2)	Point	1	502.76	502.76
62	-do- Fan point Group B (1.1.2-1.24.2)	Point	2	502.76	1005.52
63	-do- Ex-Fan point Group B (1.1.3-1.24.2)	Point	2	767.38	1534.76
64	S/F of 16/18 SWG metal box of following sizes (Nominal size) in recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of Recessed conduit as required.				
65	-do-200mmx150mmx60mm deep(1.24.7)	Each	4	165.29	661.16
66	S/F of 5 amp switch and 5A socket outlet of ISI marked on existing board (1.25.1 & 1.25.4)	Each	2	83.14	166.28
67	S/F of metal box of 180mm x 100mm x 60mm deep (Nominal size) in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 5pin 15/16 amp. socket outlet & 15/16 amp. piano type switch, connection, painting etc as required (1.27)	Each	1	263.88	263.88
68	Wiring for circuit / sub main wiring alongwith earth wire with following sizes of PVC insulated single core multistrand copper conductor with ISI marked conforming to IS- 694/1990 in 20mm dia non metallic heavy duty flexible conduit 1.6mm in recessed PVC conduit as required (Make of wire- Finollex/ L & T /Anchor/ Havels/V-guard).				
69	-do-2x2.5sqmm +1x1.5sqmm (1.8.2)	Mtr.	30	134.06	4021.80
70	-do- 2x4sqmm +1x1.5sqmm (1.8.3)	Mtr.	10	151.44	1514.40
71	Supply, Installation testing and commissioning of 63 Amp. IC DP Main Switches (IS13940 part 3/1993) with supply of metal box of following capacity on existing surface/Wall mounting & complete with H.R.C fuse links, inter connections earthing etc as required as per direction of Engineer Incharge(Make-Anchord) (2.15.1)	Each	1	2060.55	2060.55
72	250mmx300mmx100mm deep(1.24.13) for fixing 63Amp IC DP Main switch.	Each	1	274.07	274.07
73	S/F of 'B' series SP MCB of 5A to 32 Amp rating 240Volt "B" series MCB for lighting and other loads in the existing MCB Distribution board ISI marked complete with connection, testing and commissioning etc. as required single pole (SP)(2.6.1)	Each	3	127.50	382.50

74	S/F of following 4way single pole and neutral sheet steel MCB DISTRIBUTION BOARD 250v on surface /recess complete with tinned copper bus bar, neutral bar, earth bar, din bar ,detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (except MCB) 2.3.1.	Each	1	848.90	848.90
75	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	5	14.68	73.40
76	Earthing with G.I. earth pipe 3 metre long 40 mm dia ISI marked including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as required.(3.2)	Each	1	2380.85	2380.85
77	Supply and laying 6 SWG G.I wire in recess for loop earthing as required (3.18)	Mtr.	7	47.68	333.76
78	Supply & Fixing of 48" A.C. ceiling fan without regulator including numbering of reputed mark including all connections (Make:Usha-Striker One/Neo/ Crompton-Riviera highspeed/Havells-Samrat/ Anchor-Penta Turbo/Orient-Summer king/ Breeze)	Each	2	2103.00	4206.00
79	S/F of electric step ceiling fan regulator in existing switch box including connection with 1.5sqmm FR PVC insulated single core multistrand copper conductor earthing the regulator as required.(1.38)	Each	2	284.17	568.34
80	S/F of Fan hok S'type made of 16mm MS rod as per specificationn	Each	2	204.00	408.00
81	Supply, Installation,Testing and Commissioning of Exhaust fan of 225mm sweep in the existing opening,including making the hole to suit the size of the above fan making good the damaged complete, connection, etc as required. (Make- USHA Turbojet)	Each	2	2078.61	4157.22
82	S/F of 32-35 watt LED street light fitting complete with all connection.\ including fixing of bracket and all accessories as per direction of Engineer-In-charge (Make: Havels /Phillips /Crompton/Polycab/PAC/HPL)	Each	1	3380.00	3380.00
83	S/F of 18-25 watt LED Tube light fitting compoete with all connection.\ including fixing and all accessories as per direction of Engineer-In-charge (Make: Havels /Phillips /Crompton/Polycab/PAC/HPL)	Each	4	657.00	2628.00
84	S/F of 9W LED bulb (Make: Havels /Phillips /Crompton/Polycab/PAC/HPL)	Each	5	167.58	837.90
				Total	624800.58
				Say	624801.00

TOTAL 84(Eighty four) Items only

My/ our quoted rate is.....% Excess over /

Less than / equal to the estimated cost of Rs. 624801.00

(Rate to be quoted both figure & ward)

Signature of Contractor

Sold on payment of Rs. /- (Rupees) Only

towards cost of tender paper with VAT vide M.R.No. _____ dt. _____

 **APPROVED**

Chief District Medical & PHO
Balasore

Work SL. No.- (5) Page No - (5)

TENDER SCHEDULE

Name of the work

Proposed HWC building at Jalesoharia PHC
under Bhogarai Block in the District of Balasore
for the year 2019-20"

Estimated cost

Rs 6.20 Lakh
1% of Estimated cost.
= 74000

E.M.D. to be deposited

Cost of tender paper

Date of sale of tender

Date of receipt of tender

Date of opening of tender

Time of completion

Class of contractor

Sl. No.	DESCRIPTION OF ITEMS	Quantity	Unit	Rate in Figure	Amount
1	Earth work in excavation of foundation in hard soil with all leads and lifts and to required depth including dressing and levelling the bed and depositing the excavated materials away from work site etc. complete as per direction of the Engineer-in-charge.	13.74	Sqm	184.63	2536.82
2	Filling foundation and plinth with sand well watered and rammed including cost, conveyance of materials, labour T&P, royalty etc. complete as per direction of the Engineer-in-charge.	18.46	Cum	728.86	13454.76
3	Providing P.C.C. (1:3:6) with 4cm size h.g. metal of approved quality in foundation / floor including hoisting laying concrete, cost & conveyance of materials, labour, T&P, royalty, taxes, curing etc. complete as per direction of the Engineer-in-charge.	7.56	Cum	5244.71	39650.01
4	Cement concrete (1:2:4) with 12mm size H.G.chip of approved quality from approved quarry in foundation including hoisting & laying concrete, watering curing with cost conveyance, royalty, taxes of all materials, labour, T&P etc. complete as per direction	0.84	Cum	6551.33	5503.12
5	R.C.C.M-20 using 20mm & down graded size hard granite chips of approved quality from approved quarry including hoisting laying concrete to required thickness with cost, conveyance of materials labour including royalty, watering curing etc complete				
5a	Plinth band	2.43	Cum	5810.99	14120.71
5b	Lintel	0.70	Cum	9079.93	6355.95
5c	Roof slab	4.74	Cum	9660.50	45790.77
5d	Chajja	0.31	Cum	12288.24	3809.35
5e	Column & beam	2.84	Cum	11171.91	31728.22
5f	Foundation	4.93	Cum	5439.95	26818.95
6	Cutting, bending, binding of HYSD bars in proper position including cost of binding wire of 18 to 20 gauge, labour, T & P etc complete as per direction of the Engineer-in-charge.	14.32	Qntl	6079.42	87057.29
7	Brick work with KB bricks having c.strength between 75 to 99 kg/cm ² in cm (1:6) including cost of all materials royalty, watering, and labour etc. complete as per direction of the Engineer-in-charge.				
	a) Foundation	2.15	Cum	4645.58	9988.00
	b) Super Structure (GF)	18.95	Cum	4678.91	88665.34
8	16mm thick C.P. in C.M.(1:6) over brick work finished smooth after racking out joints with cost conveyance of materials labour. T&P required for the work including royalty etc. complete as per direction of the Engineer-in-charge.	88.73	Sqm	197.81	17551.68

	12mm thick C.P. in C.M.(1:6) over brick work finished smooth after racking out joints with cost. conveyance of materials labour. T&P required for the work including royalty etc.complete as per direction of the Engineer-in-charge.	98.89	Sqm	139.28	13773.40
	12mm thick cement plaster (1:4) over brick work with neat cement punning and bitumen painting two coats over top of walls including watering, curing,cost conveyance of all materials, royalty labour, T & P etc complete as per direction of the Engineer-in-	13.38	Sqm	158.67	2123.00
10	Providing, fitting and fixing of M.S. door & window shutter with frame including cost of all materials, labour, T&P etc. complete as per direction of the Engineer-in-charge.	297.25	Kg	122.90	36532.03
11	6mm thick cement plaster(1:4) to RCC surface finished smooth including closed deep chipping and slurry treatment watering ,curing,cost of all materials & labour tec complete.	8.87	Sqm	153.73	1363.59
12	Distempering two coats with approved shed over new all surface including cost of distemper etc.complete as per direction of the Engineer-in-charge.	118.31	Sqm	115.73	13692.02
13	Painting two coats over new iron work including cost. conveyance of materials labour. T&P etc.complete as per direction of the Engineer-in-charge.	22.31	Sqm	194.63	4342.20
14	Providing & fixing vitrified floor tiles of premium grade having thickness 8mm to 10mm (600mmx600mm) size coloured / printed series (Homogeneous) confirming to IS 13756 in floors over 25 mm thick bed of cement mortar (1:1) jointed with neat cement slurry mixed with pigment to match the shade of tiles etc.complete as per direction of the Engineer-in-charge.	34.95	Sqm	1148.73	40148.11
15	Providing two coats of water proofing cement paint including necessary preparation of surface, cost & conveyance of materials, labour, T&P etc. complete as per direction of the Engineer-in-charge.	98.52	Sqm	126.00	12413.52
16	S&F 4mm plain glass with cost of nail ,screws etc. complete to shape as per direction of Engineer in charge.	1.49	Sqm	515.85	768.62
PH 17	Supplying all materials, labour T&P and fixing water closet. (Orissa pattern squatting pan) duly embeded in c.c. (1:5:10) using 4cm h.g. metal all complete as per direction of E.I.C.-- (583x440)mm Orissa pan (Neycer/Cerra/ Parry ware/ Hindware)				
	a) (583x440)mm Orissa pan (Neycer/Cerra/ Parry ware/ Hindware)	1.00	NO	2,611.6	2611.60
18	Supplying all materials. labour T&P and fixing Wash Down Water Closet(European type W.C. pan) with Integral 'S' or 'P' trap to the floor with wooden plug and C.P.screws including jointing the trap with soil pipe in C.M.(1:1) etc. all complete as per specification & direction of E.I.C				
	a) E.W.C. with 'S' trap plain(Neycer/Cerra/ Parrywear/ Hindware)	1.00	NO	2,176.7	2176.70
19	Supplying all materials labour. T&P fitting and fixing Plastic Seat and cover for E.W.C. with chromium plated brass hinges and rubber buffers all complete as per specification and direction of E.I.C. (Neycer/ Cerra/Parry ware/ Hindware)	1.00	NO	611.6	611.60
19	Supplying all materials, labour T&P and fitting & fixing 10 Litres capacity low level cistern with a pair of cast iron of m.s. brackets complete with fittings such as siphonic arrangements 15mm nominal size brass/pvc ball valve with polythene float. c.p. brass handle, unions and couplings for connection with inlet. outlet and overflow pipe. 32 mm C.P flush bend 15mm PVC inlet connection pipe including cutting holes and making good the same and connecting the flush bend with cistern and closet and connecting inlet pipe with supply main etc. all complete as per specification and direction of E.I.C (Neycer/Cerra/ Parry ware/ Hindware)	2.00	NO	1568.80	3137.60

20	Supplying all materials, labour T&P and fixing wash basins with hole for pillar taps with C.I./M.S brackets painted white including holes in walls and making good the damages etc. all complete as per P.H specification and direction of E.I.C.-- 550mm x 400mm WHB with all Fittings with C.P. Waste, PVC Waste Pipe & Connection Pipe. (Neycer/Cerra/ Parry ware/ Hindware)	1.00	NO	1998.80	1998.80
21	Supplying all materials, labour T&P and fixing mirror of superior glass mounted on 6mm thick plywood sheet and fixed to wooden plugs with C.P screws and washers complete as per P.H specification and direction of E.I.C.-- 600mm x 450mm B.E. Mirror (fixed type)	1.00	NO	611.80	611.80
22	Supplying all materials, labour T&P and fixing standard size C.P. towel rail / ring complete with c.p. brass brackets fixed to wooden plugs with c.p screws as per P.H specification and direction of E.I.C. -- 25 mm x 600 mm long C.P Towel rail				0.00
23	C.P. Towel Ring (St)	1.00	NO	427.20	427.20
24	Supplying all materials, labour, T&P and laying 110 mm dia U-PVC Pipe and aligning to requisite gradient inside the trench encasing all round of the pipe with c.c (1:3:6) using 4 CM size h.g. metal and CC(1:3:6) with 4CM size h.g. metal in the bed of the trench including lowering the pipes to the bed of the trench, earth excavation in trenches in all kinds of soil, refilling the same in layer of 0.3 mtrs with watering and ramming, removing of surplus earth, testing of sewerage line including use of T&P as per PH Specification and direction of E.I.C. 110 mm dia U-PVC Pipe Sewerage line with all round encasing (IS-4985/2000- 4 Kg/Cm2)	2.00	Rmt	1077.80	2155.60
25	Supplying all materials, labour, T&P and providing and fixing to wall or ceiling and floor PVC Pipes conforming to ASTM-D-1785/89(sch-40/80) and pipe fittings of the following nominal bore with clamps including making good the wall, ceiling and floor testing all complete as per specification and direction of E.I.C - 15 mm dia PVC (ASTM) Pipe [Internal]	5.00	Rmt	95.50	477.50
26	25mm dia HDPE Pipe [External Including E/W]	30.00	Rmt	89.57	2687.10
27	Supplying all materials, labour, T&P and cutting holes through brick/stone masonry works including making good the damages in c.m. (1:4) for taking P.V.C pipes & fittings etc. all complete as per P.H. specification and direction of E.I.C	4.00	NO	47.80	191.20
28	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 as per direction of the E.I.C	6.00	Rmt	162.40	974.40
29	Supplying all materials, labour, T&P and fitting & fixing brass /C.P. fittings of the following nominal bore with supply of all jointing materials etc. complete as per P.H. specification and direction of E.I.C. -- 15 mm dia C .P S.B. Bib Cock [Jaquar]				1400.00
	15 mm dia C .P L B. Bib Cock [Jaquar]			2 Nos 700.00	
	15 mm dia C .P Angle Stop Cock [Jaquar]			2 Nos 927.00	1854.00
	15 mm dia C .P Pillar Cock with long neck [Jaquar]			3 Nos 709.00	2127.00
	15mm dia C.P Two Way Bib cock [Jaquar]			1 Nos 924.00	924.00
	15mm dia C.P Health Faucet [Jaquar]			1 No 927.00	927.00
	15 mm dia C.P Extension Piece			1 No 1,153.00	1153.00
	25 mm dia PVC F.W.V[Good Quality]			7 Nos 58.70	410.90
				1 Nos 324.40	324.40
30	Supply of all labours,T&P for fixing & fixing of CP soap holder completed fixed to wooden plugs with screw etc all complete as per PHE Sepcification	3.00	NO	268.90	806.7
31	Supplying all materials, labour T&P and fixing Ceramic Tiles in floors on 25mm thick bed of cement mortar (1:1) joined with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per specificat--	3.35	Sqm	843.60	
32	Supplying all materials, labour T&P and fixing porcelain glazed tiles in dados skirting, on 12mm thick C.P. (1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per direction of Engineer-in-Charge. -	15.90	Sqm	846.10	

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33	Supplying all labour, materials, T&P, fitting and fixing of plastic door shutters to be made of selective PVC Profiles. The styles & rails are made of section measuring 24mm x 59mm. A lock rail is provided horizontally at the required place for strength and firmness measuring 24mm x 100mm. The panel are provided a size measuring 200mm x 20mm. All the four corners are provided with MS/Fibre 'L' angles of size 200mm x 100mm and fitted with steel screw. The door to be hanged to the frame with the help of 100mm S.S. hinges and self tapping screw three nos. steel handle two nos. and 150mm long steel tower bolt two nos. all complete as per specification and direction of E.I.C.(Joint less Single Piece)	2.72	Sqm	2283.10	6210.03
34	Supplying all materials, labour T&P and fitting & fixing U-PVC ventilating pipes and fittings of the following O.D conforming to ISI No. 4985/2000 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. e.w in excavation in all kinds of soil and refilling of trenches as per direction of E.I.C.-- 110 mm dia U-PVC Pipes (4 Kgf/Cm2)	5 30 Mtr		217.70	1153.81
	110 mm dia U-PVC P' Trap	5 Nos		299.70	1498.5
	110 mm dia U-PVC Door cross Tee	1 No		350.30	350.3
	110 mm dia U-PVC Door Bend	3 Nos		204.70	614.1
	110 mm dia U-PVC Plain Bend	1 Nos		147.00	147
	110 mm dia U-PVC Cowl	1 Nos		77.30	77.3
	110 mm dia U-PVC Offset	1 Nos		180.50	180.5
	125 mm dia C.P.grating	3 Nos		69.60	208.8
	75 mm dia U-PVC Pipes (4 Kgf/Cm2)	1.00 Mtr		128.60	128.6
	75 mm dia U-PVC Plain bend	1 Nos		93.00	93
	75 mm dia U-PVC Door Bend	1 No		122.90	122.9
					0
35	Supplying all materials, labour T&P and cutting holes through brick/stone masonry walls for taking PVC pipes and fittings including making good the damages etc. all complete as per P.H. specification and direction of E.I.C. -- 250 mm thick wall	1 Nos		174.80	174.8
	375 mm thick wall	4 nos		222.40	889.6
36	Supplying all materials, labour T&P and constructing soak way pit of the following sizes with dry brick walling form bottom up to invert of inlet pipe and 1st class Fly Ash brickwork in c.m(1:6) for the remaining height at top. 12 mm thick c.p(1:4) inside and outside over masonry brickwork gravel packing in the rear of well steining R.C.C. cover slab in c.c (1:11/2:3) using 12mm size h.g. chips fitted with iron lifting handles including e.w. in open well excavation in stoney earth and refilling the cavity around the pit & painting the iron works, watering , curing. conveyance of all materials to worksite. payment of royalty, taxes etc. all complete as per approved drawing, specification and direction of E.I.C.- 1.20mtrs.dia x 2.0mtr.deep soak way pit	1	nos	13,145.70	13145.7
37	Supplying all materials, labour T&P and constructing Inspection chamber of the following sizes with c.c (1:3:6) using 40mm size h.g. metal on bed. 1st class Fly Ash brickwork in c.m (1:6), moulding and shaping the channel inside and benching with c.c. (1:11/2:3) using 12mm size h.g. chips 12mm thick c.p. (1:3) with punning to inside cement flush pointing (1:3) to outside R.C.C. cover slab in c.c. (1:11/2:3) using 12 mm size h.g. chips with R.C.C. m.h. cover, e.w. in excavation in all kinds of soil and refilling the cavity around the chamber including watering, curing, conveyance of all materials to site payment of royalty, taxes etc. all complete as per approved specification and direction of the E.I.C. Inside size 760mm x 760mm x 460mm I.C.	1	nos	6,695.80	6695.8

Attn: S. K. S. (2)

(4)

(CFI)

38	Recessed wiring to light point with 1.5sqmm FR PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC flexible conduit with 5Amp 250V 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 and earth wire including all accessories and connection as per direction of engineer in charge (Make of wire = Finollex/L & T/ Anchor/Havels/ V-Guard) (deducting the cost of S/F of 100mmx 100mmx60mm MS Box with bakelite cover - 1 no)				
	-do- Light point Group A (1.1.1-1.24.2)	9	Point	290.87	2617.83
	-do- Light point Group B (1.1.1-1.24.2)	1	Point	502.76	502.76
	-do- Fan point Group B (1.1.2-1.24.2)	2	Point	502.76	1005.52
	-do- Ex-Fan point Group B (1.1.3-1.24.2)	2	Point	767.38	1534.76
39	S/F of 16/18 SWG metal box of following sizes (Nominal size) in recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of Recessed conduit as required				
	-do- 200mmx150mmx60mm deep (1.24.7)	4	Each	165.29	661.16
	S/F of 5 amp switch and 5A socket outlet of ISI marked on existing board (1.25.1 & 1.25.4)	2	Each	83.14	166.28
40	S/F of metal box of 180mm x 100mm x 60mm deep (Nominal size) in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 5pin 15/16 amp socket outlet & 15/16 amp piano type switch, connection painting etc as required (1.27)	1	Each	263.88	263.88
41	Wiring for circuit / sub main wiring alongwith earth wire with following sizes of PVC insulated single core multistrand copper conductor with ISI marked conforming to IS- 694/1990 in 20mm dia non metallic heavy duty flexible conduit 1.6mm in recessed PVC conduit as required (Make of wire- Finollex/ L & T /Anchor/ Havels/V-guard).				0
	-do- 2x2.5sqmm +1x1.5sqmm (1.8.2)	30	Mtr.	134.06	4021.8
	-do- 2x4sqmm +1x1.5sqmm (1.8.3)	10	Mtr.	151.44	1514.4
42	Supply Installation testing and commissioning of 63 Amp IC DP Main Switches (IS13940 part 3/1993) with supply of metal box of following capacity on existing surface/Wall mounting & complete with H.R.C fuse links, inter connections earthing etc as required as per direction of Engineer Incharge(Make-Anchor) (2.15.1)	1	Each	2060.55	2060.55
	250mmx300mmx100mm deep (1.24.13) for fixing 63Amp IC DP Main switch	1	Each	274.07	274.07
43	S/F of 'B' series SP MCB of 5A to 32 Amp rating 240Volt "B" series MCB for lighting and other loads in the existing MCB Distribution board ISI marked complete with connection, testing and commissioning etc. as required single pole (SP) (2.6.1)	3	Each	127.50	382.5
44	S/F of following 4way single pole and neutral sheet steel MCB DISTRIBUTION BOARD 250v on surface /recess complete with tinned copper bus bar, neutral bar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (except MCB) 2.3.1.	1	Each	848.90	848.9
45	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	5	Each	14.68	73.4
46	Supply and laying 6 SWG GI wire in recess for loop earthing as required (1.3.18)	7	Mtr.	47.68	333.76
47	Supply & Fixing of 48" A.C. ceiling fan without regulator including numbering of reputed mark including all connections (Make Usha-Striker One/Neo/ Crompton-Riviera highspeed/Havells-Samrat/ Anchor-Penta Turbo/ Orient-Summer king/ Breeze)	2	Each	2103.00	4206
48	S/F of electric step ceiling fan regulator in existing switch box including connection with 1.5sqmm FR PVC insulated single core multistrand copper conductor earthing the regulator as required (1.38)	2	Each	284.17	568.34
49	S/F of Fan hook S'type made of 16mm MS rod as per specification	2	Each	204.00	408
50	S/F of 18-25 watt LED Tube light fitting complete with all connection including fixing and all accessories as per direction of Engineer-In-charge (Make Havels /Philips /Crompton/Polycab/PAC/HPL)	5	Each	657.00	3285
51	S/F of 9W LED bulb (Make Havels /Philips /Crompton/Polycab/PAC/HPL)	6	Each	167.58	1005.48
					619879.73

My / our Quoted rate is (in figure) % (in words) Percent

(Signature)

(Signature)

BILL OF QUANTITIES**"New construction of Multiutility Room at Paunshkuli
PHC(N) under Basta block for the year 2020-21"**

Name of the work:-

Tender Call Notice No :-

Approx. Estimated Cost :-

1624965.00

E.M.D. to be deposited :-

1% of estimated cost.

Cost of Tender Paper :-

Rs. 4000/-

Class of Contractor :-

'D' & 'C' Class

Last Date of sale of tender Paper :-

Last Date of receipt of tender :-

Date of Opening of Tender :-

Time of Completion :-

Sl. No	Description of items	Unit	Quantity	Rate	Amount
1	RCC wok of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
1(a)	Column	Cum	1.54	13249.34	20403.98
1(b)	Lintel	Cum	1.44	10712.38	15425.83
1(c)	Chajja	sqm	8.51	921.25	7839.84
1(d)	Beam	Cum	1.95	13249.34	25836.21
1(e)	Roof slab	Cum	4.68	11413.65	53415.88
2	Labour for cutting,bending, shifting to site,tying and placing in position HYSD Bar etc. complete.(in Ground	qtl	10.59	6739.67	71373.11
3	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	19.34	4566.40	88314.18
4	2.5cm thick cement plaster with C:C (1:2:2) including watering and	sqm	46.52	292.30	13597.80
5	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	66.52	197.03	13106.44
6	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	sqm	34.84	157.37	5482.77
7	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	107.02	140.04	14987.08
8	Fixing vetrified tiles in dados,skirting and riser of steps on 12 mm thick cement plaster 1:3 jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of precast tiles,all materials,labour.t&p,all taxes of materials etc complete.	sqm	35.82	1227.18	43957.59
9	Fixing ceramic tiles in dados, treads or steps and landing on 12mm thick bed of c.m. 1:3 jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing	sqm	20.35	1040.89	21182.11
10	Fixing ceramic tiles in floors, treads or steps and landing on 25mm thick bed of c.m. 1:1 jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing	sqm	1.90	1011.36	1921.58
11	Supplying and fitting and fixing of M.S grill of approved design including all labour and material etc complete.	kg	49.00	114.32	5601.68
12	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	kg	202.50	59.74	12097.35
13	Supplying and fitting and fixing of wrought iron of approved design including all labour and material etc complete.	kg	239.00	96.12	22972.68

14	Supplying, fitting, fixing up window(sliding type) made up aluminium section 151-154, 151-155, as window frame section No 151-155, 151-153 and 151-167 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement and all fittings, cost of material, labour taxes, T & P etc complete as per direction of Engg-In-Charge.	sqm	7.52	5577.36	41941.75
15	Painting 2 coats over 1-coat of primer including all labour and material etc complete.	sqm	30.94	238.84	7389.71
16	Distempering 2 coats to wall distemper of approved shade with a coat of primer etc complete.	sqm	99.99	146.93	14691.53
17	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	107.02	147.37	15771.54
18	Making design of templates local craft, design and illustration etc complete including all labour and material etc complete.	sft	150.00	50.00	7500.00
19	Supplying all labour, materials, T&P, fitting and fixing of plastic door shutters to be made of selective PVC Profiles, The styles & rails are made of section measuring 24mm x 59mm. A lock rail is provided horizontally at the required place for strength and firmness measuring 24mm x 100mm. The panel are provided a size measuring 200mm x 20mm. All the four corners are provided with MS/Fibre 'L' angles of size 200mm x 100mm and fitted with steel screw. The door to be hanged to the frame with the help of 100mm S.S. hinges and self tapping screw three nos. steel handle two nos. and 150mm long steel tower bolt two nos. all complete as per specification and direction of E.I.C. (Joint less Single Piece)				
20	2 x 0.68 x 2.05=	sqm	2.72	2283.10	6210.03
21	Supplying all materials, labour T&P and fixing water closet, (Orissa pattern squatting pan) duly embedded in c.c. (1.5:10) using 4cm h.g. metal all complete as per direction of E.I.C.-- (583x440)mm Orissa pan (Neycer/Cerra/ Parry ware/ Hindware)	no	1.00	2832.50	2832.50
22	Supplying all materials, labour T&P and fixing Wash Down Water Closet (European type W.C. pan) with Integral 'S' or 'P' trap to the floor with wooden plug and C.P.screws including jointing the trap with soil pipe in C.M.(1:1) etc. all complete as per specification & direction of E.I.C.-- E.W.C. with 'S' trap Plain(Neycer/Cerra/ Parry ware/ Hindware)	no	1.00	2310.10	2310.10
23	Supplying all materials, labour, T&P fitting and fixing Plastic Seat and cover for E.W.C. with chromium plated brass hinges and rubber buffers all complete as per specification and direction of E.I.C. (Neycer/ Cerra/Parry ware/ Hindware)	no	1.00	611.60	611.60
24	Supplying all materials, labour T&P and fitting & fixing U-PVC ventilating pipes and fittings of the following O.D conforming to ISI No. 4985/2000 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, e.w. in excavation in all kinds of soil and refilling of trenches as per direction of E.I.C.-- 110 mm dia U-PVC Pipes (4 Kg/Cm2)	Mtr	5.30	217.70	1153.81
25	110 mm dia U-PVC P' Trap	Nos	5.00	299.70	1498.50
26	110 mm dia U-PVC Door cross Tee	Nos	1.00	350.30	350.30
27	110 mm dia U-PVC Door Bend	Nos	3.00	204.70	614.10
28	110 mm dia U-PVC Plain Bend	Nos	1.00	147.00	147.00
29	110 mm dia U-PVC Cowl	Nos	1.00	77.30	77.30
30	110 mm dia U-PVC Offset	Nos	1.00	180.50	180.50

31	125 mm dia C.P.grating	Nos	3.00	69.60	208.80
32	75 mm dia U-PVC Pipes (4 Kg/Cm2)	Mtr	1.00	128.60	128.60
33	75 mm dia U-PVC Plain bend	Nos	1.00	93.00	93.00
34	75 mm dia U-PVC Door Bend	Nos	1.00	122.90	122.90
35	Supplying all materials, labour T&P and cutting holes through brick/stone masonry walls for taking PVC pipes and fittings including making good the damages etc. all complete as per P.H. specification and direction of E.I.C. -- 250 mm thick wall	Nos	1.00	174.80	174.80
36	375 mm thick wall	Nos	4.00	222.40	889.60
37	Supplying all materials, labour T&P and fixing wash basins with hole for pillar taps with C.I/M.S brackets painted white including holes in walls and making good the damages etc. all complete as per P.H specification and direction of E.I.C.-- 550mm x 400mm WHB with all Fittings with C.P. Waste, PVC Waste Pipe & Connection Pipe. (Neycer/Cerra/ Parry ware/ Hindware)	Nos	1.00	2660.10	2660.10
38	Supplying all materials, labour T&P and fixing mirror of superior glass mounted on 6mm thick plywood sheet and fixed to wooden plugs with C.P screws and washers complete as per P.H specification and direction of E.I.C.-- 600mm x 450mm B.E. Mirror (fixed type)	Nos	1.00	699.90	699.90
39	Supplying all materials, labour T&P and fixing standard size C.P. towel rail / ring complete with c.p. brass brackets fixed to wooden plugs with c.p screws as per P.H specification and direction of E.I.C. -- 25 mm x 600 mm long C.P Towel rail				
40	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
41	Supplying all materials, labour T&P and fixing standard size C.P. soap holder complete with c.p brass brackets fixed to wooden plugs with cp screws as per PH specification and direction of E.I.C C.P.Soap Holder.	Nos	3.00	268.90	806.70
42	Supplying all materials, labour T&P and constructing Inspection chamber of the following sizes with c.c (1:3:6) using 40mm size h.g. metal on bed. 1st class Fly Ash brickwork in c.m (1:6), moulding and shaping the channel inside and benching with c.c. (1:11/2:3) using 12mm size h.g. chips 12mm thick c.p. (1:3) with punning to inside cement flush pointing (1:3) to outside R.C.C. cover slab in c.c. (1:11/2:3) using 12 mm size h.g. chips with R.C.C. m.h. cover, e.w. in excavation in all kinds of soil and refilling the cavity around the chamber including watering, curing, conveyance of all materials to site payment of royalty, taxes etc. all complete as per approved specification and direction of the E.I.C. Inside size 760mm x 760mm x 460mm I.C.	Nos	1.00	7700.10	7700.10
43	Supplying all materials, labour, T&P and laying 110 mm dia U-PVC Pipe and aligning to requisite gradient inside the trench encasing all round of the pipe with c.c (1:3:6) using 4 CM size h.g. metal and CC(1:3:6) with 4CM size h.g. metal in the bed of the trench including lowering the pipes to the bed of the trench, earth excavation in trenches in all kinds of soil, refilling the same in layer of 0.3 mtrs with watering and ramming, removing of surplus earth, testing of sewerage line including use of T&P as per PH Specification and direction of E.I.C. 110 mm dia U-PVC Pipe Sewerage line with all round encasing (IS-4985/2000- 4 Kg/Cm2)	Mtr	2.00	1077.80	2155.60

44	Supplying all materials, labour T&P and constructing soak way pit of the following sizes with dry brick walling form bottom up to invert of inlet pipe and 1st class Fly Ash brickwork in c.m(1:6) for the remaining height at top, 12 mm thick c.p(1:4) inside and outside over masonry brickwork gravel packing in the rear of well steining R.C.C. cover slab in c.c (1:11/2:3) using 12mm size h.g. chips fitted with iron lifting handles including e.w. in open well excavation in stoney earth and refilling the cavity around the pit & painting the iron works, watering , curing, conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per approved drawing, specification and direction of E.I.C.- 1.20mtrs.dia x 2.0mtr.deep soak way pit	Nos	1.00	14836.00	14836.00
45	Supplying all materials, labour, T&P and providing and fixing to wall or ceiling and floor PVC Pipes conforming to ASTM-D-1785/89(sch-40/80) and pipe fittings of the following nominal bore with clamps including making good the wall, ceiling and floor testing all complete as per specification and direction of E.I.C - 15 mm dia PVC (ASTM) Pipe [Internal]	Mtr	5.00	95.50	477.50
46	25mm dia HDPE Pipe [External Including E/W]	Mtr	30.00	89.57	2687.10
47	Supplying all materials, labour, T&P and cutting holes through brick/stone masonry works including making good the damages in c.m. (1:4) for taking P.V.C. pipes & fittings etc. all complete as per P.H. specification and direction of E.I.C.	Nos	4.00	47.80	191.20
48	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 as per direction of the E.I.C.	Mtr	5.00	162.40	812.00
49	Supplying all materials, labour, T&P and fitting & fixing brass /C.P. fittings of the following nominal bore with supply of all jointing materials etc. complete as per P.H. specification and direction of E.I.C. - 15 mm dia C .P S.B. Bib Cock [Jaquar]	Nos	2.00	939.30	1878.60
50	15 mm dia C .P L.B. Bib Cock [Jaquar]	Nos	2.00	1160.80	2321.60
51	15 mm dia C .P Angle Stop Cock [Jaquar]	Nos	3.00	781.90	2345.70
52	15 mm dia C .P Pillar Cock with long neck [Jaquar]	Nos	1.00	1296.00	1296.00
53	15mm dia C.P. Two Way Bib cock [Jaquar]	Nos	1.00	1013.10	1013.10
54	15mm dia C.P. Health Faucet [Jaquar]	Nos	1.00	1308.40	1308.40
55	15 mm dia C .P Extension Piece	Nos	7.00	58.70	410.90
56	25 mm dia PVC F.W.V[Good Quality]	Nos	1.00	557.70	557.70
57	Supplying all materials, labour T&P and fitting & fixing 10 Litres capacity low level cistern with a pair of cast iron of m.s. brackets complete with fittings such as siphonic arrangements 15mm nominal size brass/pvc ball valve with polythene float, c.p. brass handle, <u>unions and couplings for connection with inlet outlet</u>	Nos	2.00	1568.80	3137.60
58	Recessed wiring to light point with 1.5sqmm FR PVC insulatd single core multistrand copper conductor of ISI marked with 20mm dia non-metalic PVC flexible conduit with 5Amp , 250V 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 and earth wire including all accessorie and connection as per direction of engineer in charge (Make of wire = Finollex/L & T/ Anchor/Havels/ V-Guard) (deducting the cost of S/F of 100mmx 100mmx60mm M.S.Box with bakelite cover - 1 no)				
59	-do- Light point Group A (1.1.1-1.24.2)	Point	9	290.87	2617.83

60	-do- Light point Group B (1.1.1-1.24.2)	Point	1	502.76	502.76
61	-do- Fan point Group B (1.1.2-1.24.2)	Point	2	502.76	1005.52
62	-do- Ex-Fan point Group B (1.1.3-1.24.2)	Point	2	767.38	1534.76
63	S/F of 16/18 SWG metal box of following sizes (Nominal size) in recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of Recessed conduit as required.				
64	-do-200mmx150mmx60mm deep(1.24.7)	Each	4	165.29	661.16
65	S/F of 5 amp swith and 5A.socket out let of ISI marked on existing board (1.25.1 & 1.25.4)	Each	2	83.14	166.28
66	S/F of metal box of 180mm x 100mmx 60mm deep (Nominal size) in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 5pin 15/16 amp. socket out let & 15/16 amp. piano type switch, connection, painting etc as required (1.27)	Each	1	263.88	263.88
67	Wiring for circuit / sub main wiring alongwith earth wire with following sizes of PVC insulated single core multistrand copper conductor with ISI marked conforming to IS- 694/1990 in 20mm dia non metallic heavy duty flexible conduit 1.6mm in recessed PVC conduit as required (Make of wire- Finolex/ L & T /Anchor/ Havels/V-guard).				
68	-do-2x2.5sqmm +1x1.5sqmm (1.8.2)	Mtr.	30	134.06	4021.80
69	-do- 2x4sqmm +1x1.5sqmm (1.8.3)	Mtr.	10	151.44	1514.40
70	Supply, Installation testing and commissioning of 63 Amp. IC DP Main Switches (IS13940 part 3/1993) with supply of metal box of following capacity on existing surface/Wall mounting & complete with H.R.C fuse links, inter connections earthing etc as required as per direction of Engineer Incharge(Make-Anchor) (2.15.1)	Each	1	2060.55	2060.55
71	250mmx300mmx100mm deep(1.24.13) for fixing 63Amp IC DP Main switch.	Each	1	274.07	274.07
72	S/F of 'B' series SP MCB of 5A to 32 Amp rating 240Volt "B" series MCB for lighting and other loads in the existing MCB Distribution board ISI marked complete with connection, testing and commissioning etc. as required single pole (SP)(2.6.1)	Each	3	127.50	382.50
73	S/F of following 4way single pole and neutral sheet steel MCB DISTRIBUTION BOARD 250v on surface /recess complete with tinned copper bus bar, neutral bar, earth bar, din bar ,detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (except MCB) 2.3.1.	Each	1	848.90	848.90
74	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	5	14.68	73.40
75	Earthing with G.I. earth pipe 3 metre long 40 mm dia ISI marked including accessories and providing masonry enclosure with cover plate having locking arragement and watering pipe etc. with charcoal and salt as required.(3.2)	Each	1	2380.85	2380.85
76	Supply and laying 6 SWG G.I wire in recess for loop earthing as required (3.18)	Mtr.	7	47.68	333.76
77	Supply & Fixing of 48" A.C. ceiling fan without regulator incudig numbering of reputed mark including all connections (Make:Usha-Striker One/Neo/ Crompton-Riviera highspeer/Havells-Samrat/ Anchor-Penta Turbo/ Orient-Summer king/ Breeze)	Each	2	2103.00	4206.00

78	S/F of electric step ceiling fan regulator in existing switch box including connection with 1.5sqmm FR PVC insulated single core multistrand copper conductor earthing the regulator as required.(1.38)	Each	2	284.17	568.34
79	S/F of Fan hok S'type made of 16mm MS rod as per specificationn	Each	2	204.00	408.00
80	Supply, Installation,Testing and Commissioning of Exhaust fan of 225mm sweep in the existing opening,including making the hole to suit the size of the above fan making good the damaged complete, connection, etc as required. (Make- USHA Turbojet)	Each	2	2078.61	4157.22
81	S/F of 32-35 watt LED street light fitting complete with all connection.\ including fixing of bracket and all accessories as per direction of Engineer-In-charge (Make: Havels /Phillps /Crompton/Polycab/PAC/HPL)	Each	1	3380.00	3380.00
82	S/F of 18-25 watt LED Tube light fitting compoete with all connection.\ including fixing and all accessories as per direction of Engineer-In-charge (Make: Havels /Phillps /Crompton/Polycab/PAC/HPL)	Each	4	657.00	2628.00
83	S/F of 9W LED bulb (Make: Havels /Phillps /Crompton/Polycab/PAC/HPL)	Each	5	167.58	837.90
				Total	624964.95
				Say	624965.00

TOTAL 84(Eighty^{three}) Items only

My/ our quoted rate is.....% Excess over /

Less than / equal to the estimated cost of Rs. 624965.00

(Rate to be quoted both figure & ward)

Signature of Contractor

Sold on payment of Rs. /- (Rupees) Only

towards cost of tender paper with VAT vide M.R.No. _____ dt. _____

 **APPROVED**

**Chief District Medical & PHO
Balasore**

WORK SL. No - ⑧ Page No - ⑥

TENDER SCHEDULE

Name of the work

Proposed HWC building at Salabani PHC under
Jaleswar Block in the District of Balasore for
the year 2019-20"

Estimated cost

₹ 6.21 Lakh
1% of Estimated Cost.
₹ 4000.00

E.M.D. to be deposited

Cost of tender paper

Date of sale of tender

Date of receipt of tender

Date of opening of tender

Time of completion

Class of contractor

C & D class

Sl. No.	DESCRIPTION OF ITEMS	Quantity	Unit	Rate in Figure	Amount
1	Earth work in excavation of foundation in hard soil with all leads and lifts and to required depth including dressing and levelling the bed and depositing the excavated materials away from work site etc. complete as per direction of the Engineer-in-charge.	17.14	Sqm	178.60	3061.20
2	Filling foundation and plinth with sand well watered and rammed including cost, conveyance of materials, labour T&P, royalty etc. complete as per direction of the Engineer-in-charge.	18.88	Cum	404.05	7628.46
3	Providing P.C.C. (1:3:6) with 4cm size h.g. metal of approved quality in foundation / floor including hoisting laying concrete, cost & conveyance of materials, labour ,T&P, royalty, taxes, curing etc. complete as per direction of the Engineer-in-charge.	7.98	Cum	5009.56	39976.29
4	Cement concrete (1:2:4) with 12mm size H.G.chip of approved quality from approved quarry in foundation including hoisting & laying concrete, watering curing with cost conveyance, royalty, taxes of all materials, labour, T&P etc. complete as per direction	0.84	Cum	6337.49	5323.49
5	R.C.C.M-20 using 20mm & down graded size hard granite chips of approved quality from approved quarry including hoisting laying concrete to required thickness with cost, conveyance of materials labour including royalty, watering curing etc complete				
5a	Plinth band	2.43	Cum	5640.82	13707.19
5b	Lintel	0.70	Cum	8863.16	6204.21
5c	Roof slab	4.74	Cum	9424.79	44673.50
5d	Chajja	0.31	Cum	12009.68	3723.00
5e	Column & beam	2.84	Cum	10885.35	30914.39
5f	Foundation	5.10	Cum	5273.89	26896.84
6	Cutting, bending, binding of HYSD bars in proper position including cost of binding wire of 18 to 20 gauge, labour, T & P etc complete as per direction of the Engineer-in-charge.				
7	Back work with KB bricks having c.strength between 75 to 99 kg/cm ² in cm (1:6) including cost of all materials royalty, watering, and labour etc. complete as per direction of the Engineer-in-charge.	16.64	Qntl	6026.59	100282.46
a)	Foundation	2.72	Cum	4328.98	11774.83
b)	Super Structure (GF)	18.83	Cum	4362.31	82142.30

8	16mm thick C.P. in C.M.(1:6) over brick work finished smooth after racking out joints with cost, conveyance of materials labour. T&P required for the work including royalty etc.complete as per direction of the Engineer-in-charge.	88.73	Sqm	189.21	16788.60
9	12mm thick C.P. in C.M.(1:6) over brick work finished smooth after racking out joints with cost, conveyance of materials labour. T&P required for the work including royalty etc.complete as per direction of the Engineer-in-charge.	98.89	Sqm	132.98	13150.39
	12mm thick cement plaster (1:4) over brick work with neat cement punning and bitumen painting two coats over top of walls including watering, curing,cost conveyance of all materials, royalty labour, T & P etc complete as per direction of the Engineer-in-charge.	15.64	Sqm	153.00	2392.92
10	Providing, fitting and fixing of M.S. door & window shutter with frame including cost of all materials, labour, T&P etc. complete as per direction of the Engineer-in-charge.	316.38	Kg	120.60	38155.43
11	6mm thick cement plaster(1:4) to RCC surface finished smooth including closed deep chipping and slurry treatment watering ,curing,cost of all materials & labour tec complete.	8.87	Sqm	148.90	1320.74
12	Distempering two coats with approved shed over new all surface including cost of distemper etc.complete as per direction of the Engineer-in-charge.	118.31	Sqm	113.25	13398.61
13	Painting two coats over new iron work including cost, conveyance of materials labour. T&P etc.complete as per direction of the Engineer-in-charge	22.31	Sqm	190.41	4248.05
14	Providing & fixing vitrified floor tiles of premium grade having thickness 8mm to 10mm (600mmx600mm) size coloured / printed series (Homogeneous) confirming to IS 13756 in floors over 25 mm thick bed of cement mortar (1:1) jointed with neat cement slurry mixed with pigment to match the shade of tiles etc.complete as per direction of the Engineer-in-charge.	34.95	Sqm	1151.96	40261.00
15	Providing two coats of water proofing cement paint including necessary preparation of surface, cost & conveyance of materials, labour, T&P etc. complete as per direction of the Engineer-in-charge.	98.52	Sqm	126.00	12413.52
16	S&F 4mm plain glass with cost of nail ,screws etc. complete to shape as per direction of Engineer in charge.	1.49	Sqm	515.85	768.62
17	Supplying all materials, labour T&P and fixing water closet, (Orissa pattern squatting pan) duly embeded in c.c. (1:5:10) using 4cm h.g. metal all complete as per direction of E.I.C.-- (583x440)mm Orissa pan (Neycer/Cerra/ Parry ware/ Hindware)				
	a) (583x440)mm Orissa pan (Neycer/Cerra/ Parry ware/ Hindware)	1.00	NO	2,611.6	2611.60
18	Supplying all materials, labour T&P and fixing Wash Down Water Closet(European type W.C. pan) with Integral 'S' or 'P' trap to the floor with wooden plug and C.P.screws including jointing the trap with soil pipe in C.M (1:1) etc. all complete as per specification & direction of E.I.C				
	a) E.W.C. with 'S' trap plain(Neycer/Cerra/ Parrywear/ Hindware)	1.00	NO	2,176.7	2176.70
19	Supplying all materials, labour, T&P fitting and fixing Plastic Seat and cover for E.W.C. with chromium plated brass hinges and rubber buffers all complete as per specification and direction of E.I.C (Neycer/ Cerra/Parry ware/ Hindware)	1.00	NO	611.6	611.60

Done 11/10/19

62

19	Supplying all materials, labour T&P and fitting & fixing 10 Litres capacity low level cistern with a pair of cast iron of m.s. brackets complete with fittings such as siphonic arrangements 15mm nominal size brass/pvc ball valve with polythene float. c.p. brass handle. unions and couplings for connection with inlet, outlet and overflow pipe. 32 mm C.P flush bend 15mm PVC inlet connection pipe including cutting holes and making good the same and connecting the flush bend with cistern and closet and connecting inlet pipe with supply main etc. all complete as per specification and direction of E.I.C (Neycer/Cerra/ Parry ware/ Hindware)	2.00	NO	1568.80	3137.60
20	Supplying all materials, labour T&P and fixing wash basins with hole for pillar taps with C I/M S brackets painted white including holes in walls and making good the damages etc. all complete as per P H specification and direction of E I C -- 550mm x 400mm WHB with all Fittings with C.P. Waste, PVC Waste Pipe & Connection Pipe. (Neycer/Cerra/ Parry ware/ Hindware)	1.00	NO	1998.80	1998.80
21	Supplying all materials, labour T&P and fixing mirror of superior glass mounted on 6mm thick plywood sheet and fixed to wooden plugs with C P screws and washers complete as per P H specification and direction of E I C -- 600mm x 450mm B.E. Mirror (fixed type)	1.00	NO	611.80	611.80
22	Supplying all materials, labour T&P and fixing standard size C.P. towel rail / ring complete with c.p. brass brackets fixed to wooden plugs with c.p screws as per P H specification and direction of E I C -- 25 mm x 600 mm long C.P Towel rail				0.00
23	C.P. Towel Ring (St.)	1.00	NO	427.20	427.20
24	Supplying all materials, labour T&P and laying 110 mm dia U-PVC Pipe and aligning to requisite gradient inside the trench encasing all round of the pipe with c.c (1:3.6) using 4 CM size h.g metal and CC(1:3.6) with 4CM size h.g metal in the bed of the trench including lowering the pipes	2.00	Rmt	1077.80	2155.60
25	Supplying all materials, labour T&P and providing and fixing to wall or ceiling and floor PVC Pipes conforming to ASTM-D-1785/89(sch-40/80) and pipe fittings of the following nominal bore with clamps including making good the wall, ceiling and floor testing all complete as per specification and direction of E I C - 15 mm dia PVC (ASTM) Pipe [Internal]	5.00	Rmt	95.50	477.50
26	25mm dia HDPE Pipe [External Including E/W]	30.00	Rmt	89.57	2687.10
27	Supplying all materials, labour T&P and cutting holes through brick/stone masonry works including making good the damages in c.m. (1:4) for taking P.V.C. pipes & fittings etc. all complete as per P.H. specification and direction of	4.00	NO	47.80	191.20
28	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 as per direction of the E I C	6.00	Rmt	162.40	974.40
29	Supplying all materials, labour T&P and fitting & fixing brass /C.P fittings of the following nominal bore with supply of all jointing materials etc. complete as per P H specification and direction of E I C -- 15 mm dia C .P S.B. Bib Cock [Jaquar]				1400.00
	15 mm dia C P L B. Bib Cock [Jaquar]			2 Nos 700.00	
	15 mm dia C P Angle Stop Cock [Jaquar]			2 Nos 927.00	1854.00
	15 mm dia C P Pillar Cock with long neck [Jaquar]			3 Nos 709.00	2127.00
	15mm dia C P Two Way Bib cock [Jaquar]			1 Nos 924.00	924.00
	15mm dia C.P. Health Faucet [Jaquar]			1 No 927.00	927.00
	15 mm dia C P Extension Piece			1 No 1,153.00	1153.00
	25 mm dia PVC F.W V[Good Quality]			7 Nos 58.70	410.90
				1 Nos 324.40	324.40
30	Supply of all labours, T&P for fixing & fixing of CP soap holder completed fixed to wooden plugs with screw etc. all complete as per PHE Sepcification	3.00	NO	268.90	806.7

atm sl. no. 2

3

31	Supplying all materials, labour T&P and fixing Ceramic Tiles in floors on 25mm thick bed of cement mortar (1:1) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per specificat--	3.35	Sqm	843.60	
32	Supplying all materials, labour T&P and fixing porcelain glazed tiles in dados skirting, on 12mm thick C.P. (1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per direction of Engineer-in-Charge -	15.90	Sqm	846.10	
33	Supplying all labour materials T&P, fitting and fixing of plastic door shutters to be made of selective PVC Profiles. The styles & rails are made of section measuring 24mm x 59mm. A lock rail is provided horizontally at the required place for strength and firmness measuring 24mm x 100mm. The panel are provided a size measuring 200mm x 20mm. All the four corners are provided with MS/Fibre 'L' angles of size 200mm x 100mm and fitted with steel screw. The door to be hanged to the frame with the help of 100mm S.S. hinges and self tapping screw three nos steel handle two nos and 150mm long steel tower bolt two nos all complete as per specification and direction of E I C (Joint less Single Piece)	2.72	Sqm	2283.10	
34	Supplying all materials, labour T&P and fitting & fixing U-PVC ventilating pipes and fittings of the following O D conforming to ISI No. 4985/2000 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, e.w. in excavation in all kinds of soil and refilling of trenches as per direction of E I C -- 110 mm dia U-PVC Pipes (4 Kgf/Cm2)				6210.03
		5.30 Mtr		217.70	1153.81
	110 mm dia U-PVC P Trap	5 Nos		299.70	1498.5
	110 mm dia U-PVC Door cross Tee	1 No		350.30	350.3
	110 mm dia U-PVC Door Bend				
		3 Nos		204.70	614.1
	110 mm dia U-PVC Plain Bend	1 Nos		147.00	147
	110 mm dia U-PVC Cowl	1 Nos		77.30	77.3
	110 mm dia U-PVC Offset	1 Nos		180.50	180.5
	125 mm dia C.P. grating	3 Nos		69.60	208.8
	75 mm dia U-PVC Pipes (4 Kgf/Cm2)	1.00 Mtr		128.60	128.6
	75 mm dia U-PVC Plain bend	1 Nos		93.00	93
	75 mm dia U-PVC Door Bend	1 No		122.90	122.9
					0
35	Supplying all materials, labour T&P and cutting holes through brickstone masonry walls for taking PVC pipes and fittings including making good the damages etc all complete as per P.H. specification and direction of E I C -- 250 mm thick wall				
	375 mm thick wall	1 Nos		174.80	174.8
		4 nos		222.40	889.6
36	Supplying all materials, labour T&P and constructing soak way pit of the following sizes with dry brick walling from bottom up to invert of inlet pipe and 1st class Fly Ash brickwork in c.m(1:6) for the remaining height at top. 12 mm thick c.p(1:4) inside and outside over masonry brickwork gravel packing in the rear of well steining R.C.C cover slab in c.c. (1:1:2:3) using 12mm size h.g chips fitted with iron lifting handles including e.w. in open well excavation in stoney earth and refilling the cavity around the pit & painting the iron works, watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per approved drawing, specification and direction of E I C. - 1.20mtrs.dia x 2.0mtr.deep soak way pit		nos		
		1		13,145.70	13145.7

20/05/2017

(4)

46	Supply and laying 6 SWG G I wire in recess for loop earthing as required (1.38)	7	Mtr.	47.68	333.76
47	Supply & Fixing of 48" A.C ceiling fan without regulator including numbering of reputed mark including all connections (Make Usha-Striker One/Neo/ Crompton-Riviera highspeed/Havells-Samrat/ Anchor-Penta Turbo/ Orient-Summer King/ Breeze)	2	Each	2103.00	4206
48	S/F of electric step ceiling fan regulator in existing switch box including connection with 1.5sqmm FR PVC insulated single core multistrand copper conductor earthing the regulator as required (1.38)	2	Each	284.17	568.34
49	S/F of Fan hook S'type made of 16mm MS rod as per specification	2	Each	204.00	408
50	S/F of 18-25 watt LED Tube light fitting composite with all connection including fixing and all accessories as per direction of Engineer-In-charge (Make Havells /Phillips /Crompton/Polycab/PAC/HPL)	5	Each	657.00	3285
51	S/F of 9W LED bulb (Make Havells /Phillips /Crompton/Polycab/PAC/HPL)	6	Each	167.58	1005.48
					620898.33

My / our Quoted rate is (in figure) % (in words)Percent

Excess over / Less than / equal to / the above estimated cost.

Signature of Contractor

Sold vide Money Receipt No. _____ Date _____ towards cost of _____ (Rupees) _____ only)

**Chief District Medical & Public Health Officer
Balasore**

FOR OFFICIAL USE ONLY

No. of Corrections	:	
No. of Overwriting	:	
No. of Interpolation	:	
E. M. D.	:	
PAN	:	
VAT	:	
Affidavit	:	
Reg. certificate	:	
Difference in words & Figures.	:	
Price preference applied / or not	:	

Demistake (9) *(9)*

6	Brick work with Fly ash bricks having c.strength between 75 to 99 kg/cm ² in cm (1:6) including cost of all materials royalty, watering, and labour etc. complete as per direction of the Engineer-in-charge.				
6-a	Foundation	5.09	Cum	4550.50	23157.92
6-b	Superstructure	19.30	Sqm	4583.83	88472.62
7	6mm thick Cement plaster (1:4) finished smooth per 1 Sqm. including curing etc. complete.	36.20	Sqm	129.12	4674.68
8	16mm thick Cement plaster (1:6) over brickwork including curing etc. complete.	101.00	Sqm	198.21	20019.94
9	12mm thick Cement plaster (1:6) for brickwork including curing etc. complete.	103.25	Sqm	139.62	14415.53
10	1:Priming 1-coat with any approved primer including all	240.46	Sqm	57.59	13847.20
11	Distempering 2-coat to walls with distemper of approved shade on old/new work to give on even shade excluding	137.21	Sqm	62.96	8639.19
12	Finishing wall surface with weather coat painting 2 coat to the new surfaces of walls with all cost.	103.25	Sqm	70.71	7300.63
13	Painting 1-coat with any approved primer including all labour etc complete.	8.27	Sqm	133.00	1099.69
14	Other building item no.1(b) of /S/R-2012:Fixing of vetrified tiles in floors of Size 600x600mm of approved make coformaing to I.S:13755 laid on on 25mm thick	32.45	Sqm	1182.64	38372.07
15	Window grill in mild steel .	162.00	Kg	57.88	9376.73
16	M.S.door and windowl in mild steel.	330.00	Kg	113.89	37582.91
P.H work and Internal fittings					
17	Supplying all materials, labour T&P and fixing Ceramic Tiles in floors on 25mm thick bed of cement mortar (1:1) joined with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per specification and direction of EIC	7.38	Sqm	716.97	5289.32
18	Supplying all materials, labour T&P and fixing porcelain glazed tiles in dados skirting , on 12mm thick C.P. (1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per direction of	13.64	Sqm	743.22	10134.35
19	Supplying all labour, materials, T&P, fitting and fixing of door frame made out PVC Profiles joined to the horizontal after inserting MS/FIBER 'L' angles of size 200mm x 100mm and self tapping screw and one mtr. reinforcement providing along the sheet of the frame where the door is to be hanged. It is to be fixed to the wall with steel screw and rawal plugs all complete as per specification and direction of E.I.C.	9.90	Sqm	340.80	3373.92

Work Sl. No (107)

(21)

20	Supplying all labour, materials, T&P, fitting and fixing of plastic door shutters to be made of selective PVC Profiles, The styles & rails are made of section measuring 24mm x 59mm. A lock rail is provided horizontally at the required place for strength and firmness measuring 24mm x 100mm. The panel are provided a size measuring 200mm x 20mm. All the four corners are provided with MS/Fibre 'L' angles of size 200mm x 100mm and fitted with steel screw. The door to be hanged to the frame with the help of 100mm S.S. hinges and self tapping screw three nos. steel handle two nos. and 150mm long steel tower bolt two nos. all complete as per specification and direction of E.I.C. (Jointless Single Piece)	2.67	Sqm	2283.10	6084.46
21	Supplying all materials, labour T&P and fixing water closet, (Orissa pattern squatting pan) duly embeded in c.c. (1:5:10) using 4cm h.g. metal all complete as per direction of E.I.C.- (583x440)mm Orissa pan (Neycer/Cerra/ Parry ware/ Hindware)	1.00	No	2826.20	2826.20
22	Supplying all materials, labour T&P and fixing Wash Down Water Closet(European type W.C. pan) with Integral 'S' or 'P' trap to the floor with wooden plug and C.P.screws including jointing the trap with soil pipe in C.M.(1:1) etc. all complete as per specification & direction of E.I.C a) E.W.C. with 'S'/'P' trap Plain(Neycer/Cerra/ Parry ware/ Hindware)	1.00	No	2303.90	2303.90
23	Supplying all materials, labour, T&P fitting and fixing Plastic Seat and cover for E.W.C. with chromium plated brass hinges and rubber buffers all complete as per specification and direction of E.I.C. (Neycer/ Cerra/Parry ware/ Hindware)	1	No	611.60	611.60
24	Supplying all materials, labour T&P and fitting & fixing U-PVC ventilating pipes and fittings of the following O.D conforming to ISI No. 4985/2000 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, e.w. in excavation in all kinds of soil and refilling of trenches as per direction of E.I.C. a) 110 mm dia U-PVC Pipes (4	5.00	Mtr	206.00	1030.00
25	110 mm dia U-PVC P' Trap	4	Nos	299.70	1198.80
26	110 mm dia U-PVC Double Junction Door	1	Nos	350.30	350.30
27	110 mm dia U-PVC Plain Tee	1	Nos	267.00	267.00
28	110 mm dia U-PVC Door Bend	4	Nos	204.70	818.80
29	110 mm dia U-PVC Plain Bend	3	Nos	147.00	441.00
30	110 mm dia U-PVC Offset	1	Nos	180.50	180.50
31	110 mm dia U-PVC Cowl	1	Nos	77.30	77.30
32	125 mm dia C.P.grating	4	Nos	68.30	273.20

Work No. 10

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33	Supplying all materials, labour T&P and fixing wash basins with hole for pillar taps with C.I/M.S brackets painted white including holes in walls and making good the damages etc. all complete as per P.H specification and direction of E.I.C.-- 550mm x 400mm WHB with all	1	No	2,651.80	2651.80
34	Supplying all materials, labour T&P and fixing mirror of superior glass mounted on 6mm thick plywood sheet and fixed to wooden plugs with C.P screws and washers complete as per P.H specification and direction of E.I.C.- - 600mm x 450mm B.E. Mirror (fixed type)	1	No	695.70	695.70
35	Supplying all materials, labour T&P and fixing standard size C.P. soap holder complete with c.p brass brackets fixed to wooden plugs with cp screws as per PH specification and direction of E.I.C C.P.Soap Holder.	2	Nos	267.40	534.80
36	Supplying all materials, labour T&P and fixing bowll pattern urinal including the connecting the urinal with waste pipe by means of white lead list with chopped hemp etc. all complete as per direction of E.I.C.-- Flat back lipped wall urinal (standing Urinal) including 32mm dia PVC Waste Pipe with brass coupling nut & 15mm dia PVC inlet connection Pipe [Neycer/CerraParrywear/Hindware]	1	Nos	1,826.10	1826.10
37	Supplying all materials, labour T&P and cutting holes through brick/stone masonry walls for taking PVC pipes and fittings including making good the damages etc. all complete as per P.H. specification and direction of E.I.C. -- 250 mm thick wall	4	Nos	176.60	706.40
38	375 mm thick wall	1	Nos	224.90	224.90
39	Supplying all materials, labour, T&P and laying 110 mm dia U-PVC Pipe and aligning to requisite gradient inside the trench encasing all round of the pipe with c.c (1:3:6) using 4 CM size h.g. metal and CC(1:3:6) with 4CM size h.g. metal in the bed of the trench including lowering the pipes to the bed of the trench, earth excavation in trenches in all kinds of soil, refilling the same in layer of 0.3 mtrs with watering and ramming, removing of surplus earth, testing of sewerage line including use of	2.40	Mtr	1,058.90	2541.36
40	Supplying all materials, labour, T&P and providing and fixing to wall or ceiling and floor PVC Pipes conforming to ASTM-D-1785/89(sch-40/80) and pipe fittings of the following nominal bore with clamps including making good the wall, ceiling and floor testing all complete as per specification and direction of E.I.C - 15 mm dia PVC (ASTM) Pipe [Internal]	5.00	Mtr	94.50	472.50
41	25 mm dia PVC (ASTM) Pipe [External]	10.00	Mtr	87.20	872.00

Done at No. (10)

(4)

42	Supplying all materials, labour, T&P and cutting holes through brick/stone masonry works including making good the damages in c.m. (1:4) for taking P.V.C. pipes & fittings etc. all complete as per P.H. specification and direction of E.I.C.	4	Nos	47.50	190.00
43	Supplying all materials, labour, T&P and fitting & fixing brass /C.P. fittings of the following nominal bore with supply of all jointing materials etc. complete as per P.H.	2	No	697.20	1394.40
44	15 mm dia C .P (c) Stop Cock[Essco/Plaza/Amber/ Aquatic]	1	Nos	854.70	854.70
45	15 mm dia C .P Angle Stop Cock[Essco/Plaza/Amber/ Aquatic]	3	Nos	711.80	2135.40
46	15 mm dia C .P Pillar Cock with long neck [Essco/Plaza/Amber/ Aquatic]	1	No	809.80	809.80
47	25 mm dia PVC F.W.V[Good Quality]	1	Nos	557.10	557.10
48	Supplying all materials, labour T&P and fitting & fixing 10 Litres capacity low level cistern with a pair of cast iron of m.s. brackets complete with fittings such as siphonic arrangements 15mm nominal size brass/pvc ball valve with polythene float, c.p. brass handle, unions and couplings for connection with inlet, outlet and overflow pipe. 32 mm C.P flush bend 15mm PVC inlet connection pipe including cutting holes and making	1	Nos	1,567.20	1567.20
Electrical fittings					
49	Reccsed wiring to light point and exhaust fan point with 1.5sqm FR PVC insualated single core multistandard copper conductor of ISI mark 20mm dia non metallic PVC flexible conduct with 5AMP,25V,pino type switch make ETC as per direction of engineer in charge.				
50	.....do..... Group A (1.2.1-1.24.2)	2	Point	287.85	575.70
51	.....do..... Group B (1.2.1-1.24.2)	2	Point	498.73	997.46
52	.....do..... Group C(1.2.1-1.24.2)	2	Point	762.34	1524.68
53	Reccsed wiring with fan point Group-B	2	Point	498.73	997.46
54	S/F of metal box pf 150mmx75mmx60mm	2	each	192.84	385.68
55	S/F of 5amp switch and 5 amp socket outlet etc all	2	each	83.14	166.28
56	S/F of metal box pf 180mmx100mmx60mm	2	each	263.88	527.76
57	PVC insualated single core multistandard copper				0.00
58	.....do..... 2x1.5sqmm+1x1.5sqmm(1.8.1)	3	PM	120.11	360.33
59	.....do..... 2x2.5sqmm+1x1.5sqmm(1.8.2)	3	PM	134.06	402.18
60	.....do..... 2x1.4sqmm+1x1.5sqmm(1.8.3)	3	PM	151.44	454.32
61	Supply instation testing and commissioning main switch etc all				0.00
62	B-do-32amp ICDP main switch	1	each	851.58	851.58
63	200mmx250 mm x60mm deep (1.24.16) for fixing	1	each	205.57	205.57
64	250mmx3000 mm x60mm deep (1.24.16) for fixing	1	each	260.37	260.37
65	s/f B series sp MCB Box lighying and etc all	1	each	127.56	127.56
66	s/f B series sp MCB Box (250v)lighying and etc all	1	each	848.9	848.90
67	8watt CFL Imp,	3	each	606.05	1818.15
68	Holder BK angle	3	each	14.68	44.04

Done at No 10

(10)

69	soldering of GI wire	1	PM	47.68	47.68
70	18-25 led tube light Fitting including bulb	2	each	688	1376.00
71	Fitting and fixing of ceilling fan	2	each	2000	4000.00
72	Fan regulator in existing switch board etc all.	2	each	280.82	561.64
73	Supply instation testing and commissioning 10watt led bulb etc all.	2	each	167.58	335.16
				Total	624636.41
				Say	624636.00

My / our Quoted rate is (in figure) % (in words)Percent
 Excess over / Less than / equal to / the above estimated cost.

Signature of Contractor

Sold vide Money Receipt No. _____ Date _____ towards cost of
 Tender paper on payment of Rs. _____ (Rupees _____
 _____ only)

Handwritten signature/initials

**Chief District Medical & Public Health Officer
 Balasore**

Handwritten signature/initials

Handwritten mark