

BILL OF QUANTITIES-31/01

Name of work : Detailed estimate for Up-gradation of Sub-Centre HWC building at Badas under Baliapal Block in the District of Balasore for the year 2020-21"

Name of the work:-

Tender Call Notice No :-
 Approx. Estimated Cost :- 237759.00
 E.M.D. to be deposited :-
 Cost of Tender Paper :- Rs. /-
 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	Earthwork in excavation of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	15.72	186.40	2930.21
2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	3.93	807.32	3172.77
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	3.93	5146.09	20224.15
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	1.96	6569.20	12875.63
5	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete. (in Ground Floor)	qtl	0.24	8209.61	1970.31
6	RCC work of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
6-a	Chajja	Cum	0.16	12218.93	1955.03
6-b	Roof slab	Cum	0.10	9578.65	957.87
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.18	4549.90	818.98
8	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	Cum	6.05	159.02	962.05
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	34.45	200.27	6899.37
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	27.75	141.09	3915.29
11	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	11.15	1152.04	12845.25
12	Providing & laying granite slab over prepared base.	sqm	1.46	2545.60	3716.58


Assistant Engineer
NHM, Balasore

	Fixing Ceramic 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	2.55	1055.50	2691.53
14	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	Qntl	201.13	144.40	29042.59
15	Painting 2 coats over 1-coat of primer including all labour and material etc complete.	sqm	86.26	187.38	16164.27
16	Dismantling & removing doors, windows & ventilators incl. removal of frame etc. as per item no. 18 of A/R page-219.	sqm	5.57	311.90	1737.28
17	Distempering 2 coats to wall distemper of approved shade with a coat of primer etc complete.(FF)	sqm	325.29	117.00	38055.93
18	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	190.52	134.10	25548.73
19	Scraping plaster in cement plaster from brick / stone work including disposal as per item no. 25 of A/R page-203	sqm	190.52	15.90	3029.27
20	S&F 4mm plain glass with cost of nail ,screws etc. complete to shape as per direction of Engineer in charge.	sqm	1.49	515.85	765.62
21	Branding for HWC as per specification in outer plaster surface including all complete	Soft	509.52	50.00	25475.90
22	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)	Nos	1.00	2,176.70	2176.70
23	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	3.88	217.70	844.68

Abhishek
 Assistant Engineer
 NHM, Balasore

BOA-31/03

	110 mm dia U-PVC P' Trap	Nos	4	299.70	1198.80
	110 mm dia U-PVC Door cross Tee	No	1	350.30	350.30
26	110 mm dia U-PVC Door Bend	Nos	3	204.70	614.10
27	110 mm dia U-PVC Plain Bend	Nos	1	147.00	147.00
28	110 mm dia U-PVC Cowl	Nos	1	77.30	77.30
29	110 mm dia U-PVC Offset	Nos	1	180.50	180.50
30	125 mm dia C.P. grating	Nos	3	69.60	208.80
31	75 mm dia U-PVC Pipes (4 Kgf/Cm2)	Mtr	1.00	128.60	128.60
32	75 mm dia U-PVC Plain bend	Nos	1	93.00	93.00
33	75 mm dia U-PVC Door Bend	No	1	122.90	122.90
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)	Nos	1.00	611.80	611.80
35	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				
36	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
37	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	2.00	268.90	537.80
38	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	1,077.80	2155.60
39	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	3.50	95.50	334.25
40	25mm dia HDPE Pipe [External Including E/W]	Mtr	2.48	89.57	222.13

Assistant Engineer
NHM, Balasore
Ben
20/11/20
Assistant Engineer
NHM, Balasore

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)

Nos

1.00

1568.80

1 568.80

42	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 = Finolex/L & T/ Anchor/Havels/ V-Guard) (deducting the cost of S/F of 100mmx 100mmx60mm M S Box with bakelite cover - 1 no)	Point	3	290.87	872.61
43	-do- Light point Group A (1.1.1-1.24.2)	Point	2	502.76	1005.52
44	-do- Fan point Group B (1.1.2-1.24.2)	Point	1	767.38	767.38
45	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)	Each	5	657.00	3285.00
46	S/F of 5W LED bulb (Make: Havels /Philips /Crompton/Polycab/PAC/HPL)	Each	6	167.58	1005.48
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)	Each	1.00	2103.00	2103.00
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)	Each	2.00	284.17	568.34
49	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	4	14.68	58.72
50	S/F of 5 amp switch and 5A socket outlet of ISI marked on existing board (1.25.1 & 1.25.4)	Each	4.00	83.14	332.56

237759.47

Say

237759.00

TOTAL .50(Fifty) Items only

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

Less than / equal to the estimated cost of Rs. 237759.00

(Rate to be quoted both figure & ward)

Signature of Contractor

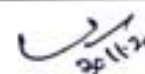
Sold on payment of Rs.

/- (Rupees

) Only

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


Assistant Engineer
NHM, Balasore


APPROVED
C.D.M. & P.H.O.
Balasore

BILL OF QUANTITIES - 32/01

Name of work : Detailed estimate for Up-gradation of Sub-Centre HWC building at Nikhira under Baliapal Block in the District of Balasore for the year 2020-21"


Name of the work:-

Tender Call Notice No :-
 Approx. Estimated Cost :- Rs. 239450.00
 E.M.D. to be deposited :-
 Cost of Tender Paper :- Rs. /-
 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	Earthwork in excavation in of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	15.72	186.40	2930.21
2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	3.93	684.67	2690.75
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	3.93	5031.48	19773.73
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	1.96	6460.80	12663.17
5	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete. (in Ground Floor)	qtl	0.24	8201.80	1968.43
6	RCC wok of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
6-a	Chajja	Cum	0.16	12110.32	1937.65
6-b	Roof slab	Cum	0.10	9470.04	947.00
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.18	4432.89	797.92
8	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	Cum	6.05	158.22	957.20
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	34.45	198.39	6834.50
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	27.75	139.52	3871.65
11	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	11.15	1152.04	12845.25
12	Providing & laying granite slab over prepared base.	sqm	1.46	2545.60	3716.58
13	Fixing Ceramic 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	2.55	1055.50	2691.53

Handwritten Signature
 Assistant Engineer
 NMM Balasore

	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	Qntl	201.13	144.40	29042.59
15	Painting 2 coats over 1-coat of primer including all labour and material etc complete.	sqm	86.26	187.38	16164.27
16	Dismantling & removing doors, windows & ventilators incl. removal of frame etc. as per item no. 18 of AVR page-219.	sqm	5.57	311.90	1737.28
17	Distemping 2 coats to wall distemper of approved shade with a coat of primer etc complete.(FF)	sqm	325.29	117.00	38058.93
18	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	190.52	134.10	25548.73
19	Scraping plaster in cement plaster from brick / stone work including disposal as per item no. 25 of AVR page-203.	sqm	190.52	15.90	3029.27
20	S&F 4mm plain glass with cost of nail ,screws etc. complete to shape as per direction of Engineer in charge.	sqm	1.49	515.85	768.62
21	Branding for HWC as per specification in outer plaster surface including all complete	Sqft	509.52	50.00	25475.90
22	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)	Nos	1.00	2,176.70	2176.70
23	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	3.88	217.70	844.68
24	110 mm dia U-PVC P' Trap	Nos	4	299.70	1198.80
25	110 mm dia U-PVC Door cross Tee	No	2	350.30	700.60
26	110 mm dia U-PVC Door Bend	Nos	3	204.70	614.10
27	110 mm dia U-PVC Plain Bend	Nos	1	147.00	147.00
28	110 mm dia U-PVC Cowl	Nos	2	77.30	154.60
29	110 mm dia U-PVC Offset	Nos	1	180.50	180.50
30	125 mm dia C.P.grating	Nos	3	69.60	208.80
31	75 mm dia U-PVC Pipes (4 Kgf/Cm2)	Mtr	1.00	128.60	128.60
32	75 mm dia U-PVC Plain bend	Nos	1	93.00	93.00
33	75 mm dia U-PVC Door Bend	No	1	122.90	122.90


 Assistant Engineer
 NHM, Balasore

	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	611.80	611.80
35	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				
36	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
37	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	2.00	268.90	537.80
38	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	4.00	1,077.80	4311.20
39	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	5.50	95.50	525.25
40	25mm dia HDPE Pipe [External including E/W]	Mtr	5.00	89.57	447.85
41	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)	Nos	1.00	1,568.80	1568.80
42	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)	Point	3	290.87	872.61
43	-do- Light point Group A (1.1.1-1.24.2)	Point	2	502.76	1005.52
44	-do- Fan point Group B (1.1.2-1.24.2)	Point	1	767.38	767.38

BOG-32/04

	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)	Each	5	657.00	3285.00
46	S/F of 9W LED bulb (Make: Havels /Philips /Crompton/Polycab/PAC/HPL)	Each	6	167.58	1005.48
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)	Each	1.00	2103.00	2103.00
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)	Each	2.00	284.17	568.34
49	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	4	14.68	58.72
50	S/F of 5 amp switch and 5A socket outlet of ISI marked on existing board (1.25.1 & 1.25.4)	Each	4.00	83.14	332.56

239449.95

Say **239450.00**

TOTAL 50(Fifty) Items only

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

Less than / equal to the estimated cost of Rs. 239450.00

(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. _____


Assistant Engineer
NHM, Balasore


C.D.M. & P.H.O.
Balasore

APPROVED

BILL OF QUANTITIES - 33/01

Name of work : Detailed estimate for Up-gradation of Sub-Centre HWC building at Chaumukha under Baliapal Block in the District of Balasore for the year 2020-21"

Name of the work:-

Tender Call Notice No :-
 Approx. Estimated Cost :- 308238.00
 E.M.D. to be deposited :-
 Cost of Tender Paper :- Rs. /-
 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
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2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	1.02	673.52	686.99
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	1.02	5011.93	5112.17
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	0.51	6444.40	3286.64
5	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete. (in Ground Floor)	qfl	0.24	8199.98	1968.00
6	RCC wok of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
6-a	Chajja	Cum	0.16	12094.32	1935.09
6-b	Roof slab	Cum	0.10	9454.04	945.40
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.18	4438.77	798.98
8	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	Cum	74.11	158.22	11725.34
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	185.53	198.30	36790.04
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	289.24	139.44	40331.19
12	Providing & laying granite slab over prepared base	sqm	1.46	2545.60	3716.58
13	Fixing Ceramic 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	2.55	1055.50	2691.53
14	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	Qntl	461.71	144.30	66624.75


Assistant Engineer
NHM, Balasore

	Painting 2 coats over 1-coat of primer including all labour and material etc complete.	sqm	86.26	187.38	16164.27
16	Dismantling & removing doors, windows & ventilators incl. removal of frame etc. as per item no. 16 of A/R page-219.	sqm	5.57	311.90	1737.28
17	Distemping 2 coats to wall distemper of approved shade with a coat of primer etc complete.(FF)	sqm	289.24	117.00	33841.08
18	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	185.53	134.10	24879.57
19	Scraping plaster in cement plaster from brick / stone work including disposal as per item no. 25 of A/R page-203.	sqm	498.22	15.90	7921.72
20	S&F 4mm plain glass with cost of nail ,screws etc complete to shape as per direction of Engineer in charge.	sqm	1.49	515.85	768.52
21	Branding for HWC as per specification in outer plaster surface including all complete	Sqft	326.26	50.00	16312.90
22	2.5 cm grading concrete (1:2:2) on roof slab in ground floor with two coats of polymer paint & 2% water proofing compound refer item no.17 of A/R page- 47 .	Sqft	19.16	377.80	7238.65
24	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)	Nos	1.00	2,176.70	2176.70
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	2.16	217.70	470.23
26	110 mm dia U-PVC P' Trap	Nos	2	299.70	599.40
27	110 mm dia U-PVC Door cross Tee	No	1	350.30	350.30
28	110 mm dia U-PVC Door Bend	Nos	1	204.70	204.70
29	110 mm dia U-PVC Plain Bend	Nos	1	147.00	147.00
30	110 mm dia U-PVC Cowl	Nos	1	77.30	77.30
31	110 mm dia U-PVC Offset	Nos	1	180.50	180.50
32	125 mm dia C.P.grating	Nos	2	69.60	139.20

	75 mm dia U-PVC Pipes (4 Kgf/Cm ²)	Mtr	1.00	128.60	128.60
34	75 mm dia U-PVC Plain bend	Nos	1	93.00	93.00
35	75 mm dia U-PVC Door Bend	No	1	122.90	122.90
36	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	611.80	611.80
37	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				
38	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
39	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	1.00	268.90	268.90
40	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/Cm ²)	Mtr	2.00	1,077.80	2155.60
41	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	1.50	95.50	143.25
42	25mm dia HDPE Pipe [External Including E/W]	Mtr	1.50	89.57	134.36
43	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)	Nos	1.00	1,568.80	1568.80



Assistant Engineer
NHM, Balasore

BOQ-33/04

	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 = Finolex/L & T/ Anchor/Havels/ V-Guard) (deducting the cost of S/F of 100mmx 100mmx60mm M.S.Box with bakelite cover - 1 no)	Point	3	290.87	872.61
45	-do- Light point Group A (1.1.1-1.24.2)	Point	2	502.76	1005.52
46	-do- Fan point Group B (1.1.2-1.24.2)	Point	1	767.38	767.38
47	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)	Each	7	657.00	4599.00
48	S/F of 9W LED bulb (Make: Havels /Philips /Crompton/Polycab/PAC/HPL)	Each	8	167.58	1340.64
49	Supply & Fixing of 48" A.C. ceiling fan without regulator includg numbering of reputed mark including all connections (Make:Usha-Striker One/Neel/ Crompton-Riviera highspeed/Havels-Samrat/ Anchor-Penta Turbo/Orient-Summer king/ Breeze)	Each	1.00	2094.00	2094.00
50	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 (1.35)	Each	2.00	284.17	568.34
51	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	6	14.68	88.08
52	S/F of 5 amp swith and 5A socket out let of ISI marked on existing board (1.25.1 & 1.25.4)	Each	8.00	83.14	665.12
					308237.73
				Say	308238.00

TOTAL 52(Fifty two) Items only

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

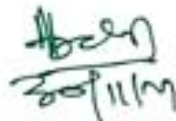
Less than / equal to the estimated cost of Rs. 308238.00

(Rate to be quoted both figure & ward)

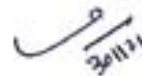
Signature of Contractor

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

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



Assistant Engineer
NHM, Balasore



C.D.M. & P.H.O.
Balasore

APPROVED

BILL OF QUANTITIES - 34/01

Name of work : Detailed estimate for Up-gradation of Sub-Centre HWC building at Betagadia under Baliapal Block in the District of Balasore for the year 2020-21"

Name of the work:-

Tender Call Notice No :-
 Approx. Estimated Cost :- Rs. 248742.07
 E.M.D. to be deposited :-
 Cost of Tender Paper :- Rs. /-
 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	Earthwork in excavation of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	1.02	186.40	190.13
2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	0.25	807.32	201.83
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	0.25	5170.77	1292.69
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete	Cum	0.13	6598.00	857.74
5	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete. (in Ground Floor)	qtl	0.24	8209.61	1970.31
6	RCC work of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying	Cum	0.16	12249.00	1959.84
6-a	Chajja	Cum	0.10	9608.72	960.87
6-b	Roof slab	Cum	0.18	4546.09	818.30
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete	Cum	6.05	159.21	963.25
8	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	sqm	34.45	200.50	6907.24
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	27.75	141.28	3920.40
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	11.15	1152.04	12845.25
11	Fixing vetrified 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 t&p, all taxes of materials etc complete	sqm	1.46	2545.60	3716.58
12	Providing & laying granite slab over prepared base.	sqm			


Assistant Engineer
NHM, Balasore

BCR-34/02

	Fixing Ceramic 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	2.55	1055.50	2691.53
14	2.5 cm grading concrete (1:2:2) on roof slab in ground floor with two coats of polymer paint & 2% water proofing compound refer item no.17 of A/R page- 47 .	sqm	96.03	377.80	36280.13
15	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	Qntl	201.13	144.40	29042.59
16	Painting 2 coats over 1-coat of primer including all labour and material etc complete.	sqm	86.26	187.38	16164.27
17	Dismantling & removing doors, windows & ventilators incl removal of frame etc. as per item no. 18 of A/R page-219	sqm	5.57	311.90	1737.28
18	Distempering 2 coats to wall distemper of approved shade with a coat of primer etc complete.(FF)	sqm	325.29	117.00	38058.93
19	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	190.52	134.10	25548.73
20	Scraping plaster in cement plaster from brick / stone work including disposal as per item no. 25 of A/R page-203.	sqm	190.52	15.90	3029.27
21	S&F 4mm plain glass with cost of nail ,screws etc. complete to shape as per direction of Engineer in charge.	sqm	1.49	515.85	768.62
22	Branding for HWC as per specification in outer plaster surface including all complete	Sqft	509.52	50.00	25475.93
23	Finishing wall surface of wall with cement based wall putty (water based) & finished smooth to receive paint	Sqft	111.52	65.80	7336.02
24	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)	Nos	1.00	2,176.70	2176.70

Handwritten Signature
 Assistant Engineer
 NHM, Balasore

	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)				844.68
26	110 mm dia U-PVC P Trap	Mtr	3.88	217.70	
27	110 mm dia U-PVC Door cross Tee	Nos	4	299.70	1198.80
28	110 mm dia U-PVC Door Bend	No	1	350.30	350.30
29	110 mm dia U-PVC Plain Bend	Nos	3	204.70	614.10
30	110 mm dia U-PVC Cowl	Nos	1	147.00	147.00
31	110 mm dia U-PVC Offset	Nos	1	77.30	77.30
32	110 mm dia U-PVC Offset	Nos	1	180.50	180.50
33	125 mm dia C.P grating	Nos	3	69.60	208.80
34	75 mm dia U-PVC Pipes (4 Kgf/Cm2)	Mtr	1.00	128.60	128.60
35	75 mm dia U-PVC Plain bend	Nos	1	93.00	93.00
36	75 mm dia U-PVC Door Bend	No	1	122.90	122.90
37	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	611.80	611.80
38	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				
39	C.P Towel Ring (St)	Nos	1.00	427.20	427.20
40	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	2.00	268.90	537.80
41	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	1,077.80	2155.60
42	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	3.50	95.50	334.25
43	25mm dia HDPE Pipe [External Including E/W]	Mtr	2.45	89.57	219.45


 Assistant Engineer
 NHM, Balasore

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)	Nos	1.00	1,568.80
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44	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)	Point	9	290.87	2617.83
	-do- Light point Group A (1.1.1-1.24.2)	Point	2	502.76	1005.52
	-do- Light point Group B (1.1.1-1.24.2)	Point	3	502.76	1508.28
	-do- Fan point Group B (1.1.2-1.24.2)	Point	2	767.38	1534.76
45	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)	Each	5	657.00	3285.00
46	S/F of 9W LED bulb (Make: Havels /Philips /Crompton/Polycab/PAC/HPL)	Each	6	167.58	1005.48
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)	Each	1.00	2103.00	2103.00
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)	Each	2.00	284.17	568.34
49	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	3	14.68	44.04
50	S/F of 5 amp swth and 5A socket outlet of ISI marked on existing board (1.25.1 & 1.25.4)	Each	4.00	83.14	332.56

248742.07

Say 248742.00

TOTAL 50(Fifty) Items only

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

Less than / equal to the estimated cost of Rs. 248742.00

(Rate to be quoted both figure & ward)


Signature of Contractor

) Only

Sold on payment of Rs. /- (Rupees

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


Assistant Engineer
NHM, Balasore


APPROVED
C.D.M. & P.H.O.
Balasore

BILL OF QUANTITIES -35/01

Name of work : Detailed estimate for Up-gradation of Sub-Centre HWC building at Aruhabruti under Bhogarai Block in the District of Balasore for the year 2020-21"

Name of the work :-

Tender Call Notice No :-
 Approx. Estimated Cost :- 250874.00
 E.M.D. to be deposited :-
 Cost of Tender Paper :- Rs. /-
 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	Earthwork in excavation in of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	1.02	186.40	190.13
2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	0.25	740.42	185.11
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	0.25	5330.48	1332.62
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	0.13	6763.80	879.29
5	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete. (in Ground Floor)	qtl	0.24	8227.56	1974.62
6	RCC wok of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
		Cum	0.16	12418.35	1966.94
6-a	Chajja	Cum	0.10	9778.07	977.81
6-b	Roof slab	Cum	0.18	4686.78	843.62
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.18	4686.78	843.62
8	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete	Cum	6.05	159.34	964.02
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete	sqm	34.45	200.12	6894.22
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	27.75	140.97	3911.76
11	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	11.15	1152.04	12845.25
12	Providing & laying granite slab over prepared base	sqm	1.46	2545.60	3716.58


 Assistant Engineer
 NHM, Balasore

	ing Ceramic 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	2.55	1055.50	2601.53
14	2.5 cm grading concrete (1:2:2) on roof slab in ground floor with two coats of polymer paint & 2% water proofing compound refer item no.17 of A/R page-47.	sqm	96.03	377.80	36280.13
15	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	Qntl	201.13	144.60	29082.82
16	Painting 2 coats over 1-coat of primer including all labour and material etc complete.	sqm	86.26	187.38	16164.27
17	Dismantling & removing doors, windows & ventilators incl removal of frame etc. as per item no.18 of A/R page-219.	sqm	5.57	311.90	1737.26
18	Distemping 2 coats to wall distemper of approved shade with a coat of primer etc complete.(FF)	sqm	325.29	117.00	38058.93
19	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	190.52	134.10	25548.73
20	Scraping plaster in cement plaster from brick / stone work including disposal as per item no.25 of A/R page-203.	sqm	190.52	15.90	3029.27
21	S&F 4mm plain glass with cost of nail ,screws etc. complete to shape as per direction of Engineer in charge.	sqm	1.49	515.85	768.62
22	Branding for HWC as per specification in outer plaster surface including all complete	Sqft	509.52	50.00	25475.90
23	Finishing wall surface of wall with cement based wall putty (water based) & finished smooth to receive paint	Sqft	96.17	65.80	6327.99
24	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)	Nos	1.00	2,176.70	2176.70

Handwritten signature

**Assistant Engineer
NHM, Balasore**

	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/Cm ²)	Mtr	4.75	217.70	1034.08
26	110 mm dia U-PVC P' Trap	Nos	4	299.70	1198.80
27	110 mm dia U-PVC Door cross Tee	No	1	350.30	350.30
28	110 mm dia U-PVC Door Bend	Nos	5	204.70	1023.50
29	110 mm dia U-PVC Plain Bend	Nos	1	147.00	147.00
30	110 mm dia U-PVC Cowl	Nos	1	77.30	77.30
31	110 mm dia U-PVC Offset	Nos	1	180.50	180.50
32	125 mm dia C.P. grating	Nos	3	69.60	208.80
33	75 mm dia U-PVC Pipes (4 Kgf/Cm ²)	Mtr	1.00	128.60	128.60
34	75 mm dia U-PVC Plain bend	Nos	1	93.00	93.00
35	75 mm dia U-PVC Door Bend	No	1	122.90	122.90
36	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	611.80	611.80
37	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				
38	C.P Towel Ring (St.)	Nos	2.00	427.20	854.40
39	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	2.00	268.90	537.80
40	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 bod 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/Cm ²)	Mtr	2.00	1,077.80	2155.60

B. Srinivas
 Assistant Engineer
 NRM, Bangalore

BOA-35/04

	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	6.80	95.50	649.40
42	25mm dia HDPE Pipe [External Including E/W]	Mtr	3.50	89.57	313.50
43	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)	Nos	2.00	1,568.80	3137.60
44	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 = Finolux/L & T/ Anchor/Havells/ V-Guard) (deducting the cost of SIF of 100mmx 100mmx60mm M.S.Box with bakelite cover - 1 no)	Point	9	290.87	2617.83
	-do- Light point Group A (1.1.1-1.24.2)	Point	2	502.76	1005.52
	-do- Light point Group B (1.1.1-1.24.2)	Point	3	502.76	1508.28
	-do- Fan point Group B (1.1.2-1.24.2)	Point	2	767.38	1534.76
45	SIF 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: Havells /Philips /Crompton/Polycab/PAC/HPL)	Each	5	657.00	3285.00
46	SIF of 9W LED bulb (Make: Havells /Philips /Crompton/Polycab/PAC/HPL)	Each	6	167.58	1005.48
47	Supply & Fixing of 48" A.C ceiling fan without regulator includg numbering of reputed mark including all connections (Make Usha-Stiker One/Neel Crompton-Frizzera highspeed/Havells-Samrat/ Anchor-Penta Turbo/Orient-Summer king/ Breeze)	Each	1.00	2103.00	2103.00
48	SIF 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	2.00	284.17	568.34
49	SIF of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	3	14.68	44.04

H. Chandra
 20/11/21
 Assistant Engineer
 NHM, Balasore

BOB-35/05

of 5 amp switch and 5A socket out let of ISI marked on existing board (1.25.1 & 1.25.4)	Each	4.00
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83.14	332.56
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250873.81

Say

250874.00

TOTAL 50(Fifty) Items only

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

Less than / equal to the estimated cost of Rs. 250874.00

(Rate to be quoted both figure & ward)

Signature of Contractor

) Only

Sold on payment of Rs.

/- (Rupees

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

Abhishek
30/11/24
Assistant Engineer
NHM, Balasore

[Signature]
 30/11/24
APPROVED
 C.D.M. & P.H.O.
 Balasore

BILL OF QUANTITIES - 36/01

Name of the work:-

Name of work : Detailed estimate for "S/R to Kusuda S.C. under Bhogarai Block for HWC in the District of Balasore for the year 2019-20"

Tender Call Notice No :-

Approx. Estimated Cost :-

265847.00

E.M.D. to be deposited :-

Cost of Tender Paper :-

Rs. /-

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	Earthwork in excavation in of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	2.34	178.60	417.92
2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	1.56	671.66	1047.79
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	0.78	5172.92	4034.88
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	0.39	6588.50	2569.52
5	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.77	4524.60	3483.94
6	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	Cum	28.08	150.25	4218.94
7	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.(G.F)	sqm	25.55	192.87	4927.70
8	First Floor	sqm	30.19	197.52	5963.14
9	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.(G.F)	sqm	35.77	136.02	4865.29
10	First Floor	sqm	27.03	139.15	3761.36
11	Providing & laying 2.5 cm artificial stone flooring with cement concrete (1:2:4) including punning using 12 mm size hard broken granite chips.	sqm	9.01	311.75	2808.89
12	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. (G.F)	sqm	15.11	1150.15	17378.38
13	First Floor	sqm	12.88	1238.80	15954.73
14	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	Qntl	166.56	142.20	23684.83
15	Painting 2 coats over 1-coat of primer including all labour and material etc complete.Wood surface	sqm	58.89	190.15	11197.93
16	Steel Surface	sqm	105.36	190.41	20061.60
17	Distempering 2 coats to wall distemper of approved shade with a coat of primer etc complete.(GF)	sqm	201.36	113.25	22804.02
18	First Floor	sqm	197.65	116.11	22949.14
19	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	271.21	134.10	36369.27
20	First Floor	sqm	183.13	144.00	26370.20

[Signature]
Assistant Engineer
 Nrim, Balasore

			509.52	50.00	25475.90
22	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/Cm ²)	Sqft			326.55
		Mtr	1.50	217.70	
23	110 mm dia U-PVC Door cross Tee	No	1	350.30	350.30
24	110 mm dia U-PVC Door Bend	Nos	1	204.70	204.70
25	110 mm dia U-PVC Plain Bend	Nos	2	147.00	294.00
26	110 mm dia U-PVC Cowl	Nos	3	77.30	231.90
27	75 mm dia U-PVC Pipes (4 Kgf/Cm ²)	Mtr	1.00	128.60	128.60
28	75 mm dia U-PVC Plain bend	Nos	2	93.00	186.00
29	75 mm dia U-PVC Door Bend	No	2	122.90	245.80
30	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				
31	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
32	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	1.00	268.90	268.90
33	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	1.50	95.50	143.25
34	25mm dia HDPE Pipe [External Including E/W]	Mtr	2.15	89.57	192.58
35	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)	Each	3	657.00	1971.00
36	S/F of 9W LED bulb (Make: Havels /Philips /Crompton/Polycab/PAC/HPL)	Each	2	167.58	335.16
37	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	2	14.68	29.36
38	S/F of 5 amp swith and 5A socket out let of ISI marked on existing board (1.25.1 & 1.25.4)	Each	2.00	83.14	166.28
					265846.94
				Say	265847.00

TOTAL 38(Thirty Eight) Items only

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

Less than / equal to the estimated cost of Rs. 265847.00

(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.

Bela
20/11/21
Assistant Engineer
NHM, Balasore

[Signature]
30/11/21
APPROVED
C.D.M. & P.H.O.
Balasore

BILL OF QUANTITIES - 37/01

Name of work : Detailed estimate for "S/R to Nahara S.C. under Bhogarai Block for HWC in the District of Balasore for the year 2019-20"

Name of the work:-

Tender Call Notice No :-
 Approx. Estimated Cost :- ₹ 247770.00
 E.M.D. to be deposited :-
 Cost of Tender Paper :- Rs. /-
 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	Earthwork in excavation in of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	2.34	178.60	417.92
2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	1.56	504.40	786.86
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	0.78	5016.53	3912.89
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	0.39	6429.60	2507.54
5	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.65	4368.20	2839.33
6	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	Cum	19.78	148.78	2942.94
7	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.(G.F)	sqm	19.97	189.87	3791.66
8	First Floor	sqm	19.04	194.52	3703.72
9	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.(G.F)	sqm	26.48	133.51	3535.44
10	First Floor	sqm	18.86	136.65	2577.26
11	Providing & laying 2.5 cm artificial stone flooring with cement concrete (1:2:4) including punning using 12 mm size hard broken granite chips.	sqm	9.01	307.58	2771.32
12	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. (G.F)	sqm	13.40	1142.22	15303.20
13	First Floor	sqm	12.88	1230.90	15852.99
14	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	Qntl	113.28	142.10	16097.09
15	Painting 2 coats over 1-coat of primer including all labour and material etc complete.Wood surface	sqm	58.89	190.15	11197.93
16	Steel Surface	sqm	105.36	190.41	20061.60
17	Distempering 2 coats to wall distemper of approved shade with a coat of primer etc complete.(GF)	sqm	201.36	113.25	22804.02
18	First Floor	sqm	197.65	116.11	22949.14
19	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	271.21	134.10	36369.27

Beha
 Assistant Engineer
 M.M. Balasore

20	First Floor	sqm	183.13	144.00	26370.20
21	Branding for HWC as per specification in outer plaster surface including all complete	Sqft	509.52	50.00	25475.90
22	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/Cm ²)	Mtr	1.50	217.70	326.55
23	110 mm dia U-PVC Door cross Tee	No	1	350.30	350.30
24	110 mm dia U-PVC Door Bend	Nos	1	204.70	204.70
25	110 mm dia U-PVC Plain Bend	Nos	2	147.00	294.00
26	110 mm dia U-PVC Cowl	Nos	3	77.30	231.90
27	75 mm dia U-PVC Pipes (4 Kg/Cm ²)	Mtr	1.00	128.60	128.60
28	75 mm dia U-PVC Plain bend	Nos	2	93.00	186.00
29	75 mm dia U-PVC Door Bend	No	2	122.90	245.80
30	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				
31	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
32	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	1.00	268.90	268.90
33	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	1.50	95.50	143.25
34	25mm dia HDPE Pipe [External Including E/W]	Mtr	2.15	89.57	192.58
35	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)	Each	3	657.00	1971.00
36	S/F of 9W LED bulb (Make: Havels /Philips /Crompton/Polycab/PAC/HPL)	Each	2	167.58	335.16
37	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	2	14.68	29.36
38	S/F of 5 amp swith and 5A.socket out let of ISI marked on existing board (1.25.1 & 1.25.4)	Each	2.00	83.14	166.28

247769.81

Say

247770.00

TOTAL 38(Thirty Eight) Items only

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

Less than / equal to the estimated cost of Rs. 247770.00

(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. _____

[Signature]
Assistant Engineer
NHM, Balasore

[Signature]
APPROVED
C.D.M. & P.H.O.
Balasore

BILL OF QUANTITIES - 38/1

Name of work : Detailed estimate for "S/R to Dehurda S.C. under Bhogarai Block for HWC in the District of Balasore for the year 2019-20"

Name of the work:-

Tender Call Notice No :-
 Approx. Estimated Cost :- R268188.00
 E.M.D. to be deposited :-
 Cost of Tender Paper :- Rs. /-
 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	Earthwork in excavation in of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	2.34	178.60	417.92
2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	1.56	727.41	1134.76
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	0.78	5187.10	4045.94
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	0.39	6582.90	2567.33
5	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.77	4525.90	3484.94
6	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	Cum	28.08	149.96	4210.78
7	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.(G.F)	sqm	25.55	192.95	4929.76
8	First Floor	sqm	30.19	197.60	5965.57
9	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.(G.F)	sqm	35.77	136.10	4868.17
10	First Floor	sqm	27.03	139.24	3763.53
11	Providing & laying 2.5 cm artificial stone flooring with cement concrete (1:2:4) including punning using 12 mm size hard broken granite chips.	sqm	9.01	311.58	2807.32
12	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. (G.F)	sqm	15.11	1141.34	17245.27
13	First Floor	sqm	12.88	1230.00	15841.39
14	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	Qntl	166.56	142.20	23684.83
15	Painting 2 coats over 1-coat of primer including all labour and material etc complete.Wood surface	sqm	58.89	190.15	11197.93
16	Steel Surface	sqm	105.36	190.41	20081.60
17	Distempering 2 coats to wall distemper of approved shade with a coat of primer etc complete.(GF)	sqm	201.36	113.25	22804.02
18	First Floor	sqm	197.65	116.11	22949.14
19	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	271.21	134.10	36369.27
20	First Floor	sqm	183.13	144.00	26370.20

(Signature)
Assistant Engineer
 (Civil, Balasore)

		Sqft	509.52	50.00	25475.90
22	branding for HWC as per specification in outer plaster surface including all complete				
	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	4.50	217.70	979.65
23	110 mm dia U-PVC Door cross Tee	No	2	350.30	700.60
24	110 mm dia U-PVC Door Bend	Nos	2	204.70	409.40
25	110 mm dia U-PVC Plain Bend	Nos	3	147.00	441.00
26	110 mm dia U-PVC Cowl	Nos	4	77.30	309.20
27	75 mm dia U-PVC Pipes (4 Kgf/Cm2)	Mtr	1.00	128.60	128.60
28	75 mm dia U-PVC Plain bend	Nos	2	93.00	186.00
29	75 mm dia U-PVC Door Bend	No	2	122.90	245.80
30	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				
31	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
32	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	1.00	268.90	268.90
33	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	5.29	95.50	505.20
34	25mm dia HDPE Pipe [External Including E/W]	Mtr	4.45	89.57	398.59
35	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 /Philips /Crompton/Polycab/PAC/HPL)	Each	3	657.00	1971.00
36	S/F of 9W LED bulb (Make: Havels /Philips /Crompton/Polycab/PAC/HPL)	Each	3	167.58	502.74
37	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	7	14.68	102.76
38	S/F of 5 amp swith and 5A.socket out let of ISI marked on existing board (1.25.1 & 1.25.4)	Each	5.00	83.14	415.70

268187.91
Say 268188.00

TOTAL 38(Thirty Eight) Items only

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

Less than / equal to the estimated cost of Rs. 268188.00

(Rate to be quoted both figure & ward)

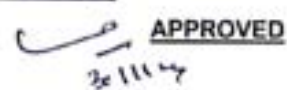
Signature of Contractor

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

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



Assistant Engineer
NHM, Balasore



C.D.M. & P.H.O.
Balasore

BILL OF QUANTITIES - 39/02

Name of work : Detailed estimate for Up-gradation of Sub-Centre HWC building at Allalbindha under Bhogarai Block in the District of Balasore for the year 2020-21"

Name of the work:-

Tender Call Notice No. :-
 Approx. Estimated Cost :- Rs 248343.00
 E.M.D. to be deposited :-
 Cost of Tender Paper :- Rs. /-
 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	Earthwork in excavation in of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	9.77	186.40	1821.13
2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	2.44	773.87	1888.24
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	2.44	5318.65	12977.50
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete	Cum	1.22	6734.80	8216.46
5	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete (in Ground Floor)	qtl	0.24	8218.97	1972.55
6	RCC wok of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
6-a	Chaja	Cum	0.16	12385.33	1981.65
6-b	Roof slab	Cum	0.10	9745.05	974.51
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.18	4698.11	845.66
8	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	Cum	6.05	158.94	961.56
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	34.45	199.92	6897.09
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	27.75	140.78	3906.71
11	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, l&p, all taxes of materials etc complete.	sqm	11.15	1152.04	12845.25
12	Providing & laying granite slab over prepared base.	sqm	1.46	2545.60	3716.58


 Assistant Engineer
 NHM, Balasore

BOB-39/02

	ing Ceramic 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,labqur.t&p,all taxes of materials etc complete.	sqm	2.55	1055.50	2691.53
14	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	Qntl	201.13	144.50	29062.71
15	Painting 2 coats over 1-coat of primer including all labour and material etc complete.	sqm	86.26	187.38	16164.27
16	Dismantling & removing doors, windows & ventilators incl. removal of frame etc. as per item no 18 of A/R page-219.	sqm	5.57	311.90	1737.28
17	Distemping 2 coats to wall distemper of approved shade with a coat of primer etc complete.(FF)	sqm	325.29	117.00	38058.93
18	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	190.52	134.10	25548.73
19	Scraping plaster in cement plaster from brick / stone work including disposal as per item no. 25 of A/R page-203.	sqm	190.52	15.90	3029.27
20	S&F 4mm plain glass with cost of nail ,screws etc. complete to shape as per direction of Engineer in charge.	sqm	1.49	515.85	768.62
21	Branding for HWC as per specification in outer plaster surface including all complete	Sqft	496.19	50.00	24809.50
22	2.5 cm grading concrete (1:2:2) on roof slab in ground floor with two coats of polymer paint & 2% water proofing compound refer item no.17 of A/R page- 47	sqm	50.69	377.80	19150.68
23	Finishing wall surface of wall with cement based wall putty (water based) & finished smooth to receive paint	sqm	96.17	65.80	6327.99
24	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)	Nos	1.00	2,176.70	2176.70

Abhishek
20/11/23
Assistant Engineer
NHM, Balasore

	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/Cm ²)	Mtr	3.88	217.70	844.68
26	110 mm dia U-PVC P' Trap	Nos	4	299.70	1198.80
27	110 mm dia U-PVC Door cross Tee	No	1	350.30	350.30
28	110 mm dia U-PVC Door Bend	Nos	3	204.70	614.10
29	110 mm dia U-PVC Plain Bend	Nos	1	147.00	147.00
30	110 mm dia U-PVC Cowl	Nos	1	77.30	77.30
31	110 mm dia U-PVC Offset	Nos	1	180.50	180.50
32	125 mm dia C.P.grating	Nos	3	69.60	208.80
33	75 mm dia U-PVC Pipes (4 Kgf/Cm ²)	Mtr	1.00	128.60	128.60
34	75 mm dia U-PVC Plain bend	Nos	1	93.00	93.00
35	75 mm dia U-PVC Door Bend	No	1	122.90	122.90
36	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	611.80	611.80
37	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				
38	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
39	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	2.00	268.90	537.80
40	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/Cm ²)	Mtr	2.00	1,077.80	2155.60
41	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	3.50	95.50	334.25
42	25mm dia HDPE Pipe [External Including E/W]	Mtr	2.48	89.57	222.13

Handwritten Signature
 Assistant Engineer
 NHM, Balasore

202-39/04

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)

Nos

1.00

1568.80

1,568.80

44	Recessed wing 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 SiF of 100mmx 100mmx60mm MS Box with bakelite cover - 1 no)	Point	3	290.87	872.61
45	-do- Light point Group A (1.1.1-1.24.2)	Point	2	502.76	1005.52
46	-do- Fan point Group B (1.1.2-1.24.2)	Point	1	767.38	767.38
47	SiF 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)	Each	5	657.00	3285.00
48	SiF of 9W LED bulb (Make: Havels (Philips /Crompton/Polycab/PAC/HPL)	Each	6	167.58	1005.48
49	Supply & Fixing of 48" A C ceiling fan without regulator including numbering of reputed mark including all connections (Make Usha-Stnker One/Neo/ Crompton-Riviera highspeed/Havells-Samrat/ Anchor-Penta Turbo/ Orient-Summer king/ Breeze)	Each	1.00	2103.00	2103.00
50	SiF 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	2.00	284.17	568.34
51	SiF of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	4	14.68	58.72
52	SiF of 5 amp swith and 5A socket out let of ISI marked on existing board (1.25.1 & 1.25.4)	Each	4.00	83.14	332.56

248343.26

Say

248343.00

TOTAL 52(Fifty Two) Items only

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

Less than / equal to the estimated cost of Rs. 248343.00

(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. _____

Handwritten Signature
 Assistant Engineer
 NHM, Balasore

Handwritten Signature
 C.D.M. & P.H.O.
 Balasore

APPROVED

BILL OF QUANTITIES - 40/01

Name of work : Detailed estimate for "S/R to Sundrali S.C. under Bhogarai Block for HWC in the District of Balasore for the year 2019-20"

Name of the work:-

Tender Call Notice No :-
 Approx. Estimated Cost :- **Rs. 267236.00**
 E.M.D. to be deposited :-
 Cost of Tender Paper :- **Rs. /-**
 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	Earthwork in excavation in of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	2.34	178.60	417.92
2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	1.56	693.96	1082.58
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	0.78	5172.99	4034.93
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete	Cum	0.39	6575.30	2564.37
5	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.77	4499.60	3464.69
6	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	Cum	28.08	149.93	4210.13
7	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.(G.F)	sqm	25.55	192.68	4923.00
8	First Floor	sqm	30.19	197.34	5957.58
9	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.(G.F)	sqm	35.77	135.87	4859.94
10	First Floor	sqm	27.03	139.01	3757.31
11	Providing & laying 2.5 cm artificial stone flooring with cement concrete (1:2:4) including punning using 12 mm size hard broken granite chips.	sqm	9.01	311.38	2805.54
12	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. (G.F)	sqm	15.11	1143.80	17282.44
13	First Floor	sqm	12.88	1232.40	15872.30
14	Supplying and fitting and fixing of M.S shutter of approved design including all labour and material etc complete.	Qntl	166.56	142.20	23684.83
15	Painting 2 coats over 1-coat of primer including all labour and material etc complete.Wood surface	sqm	58.89	190.15	11197.93
16	Steel Surface	sqm	105.36	190.41	20061.60
17	Distempering 2 coats to wall distemper of approved shade with a coat of primer etc complete.(GF)	sqm	201.36	113.25	22804.02
18	First Floor	sqm	197.65	116.11	22949.14
19	Wall painting 2 coat with Weather coat of approved shade to give an even shade including cost of paint.	sqm	271.21	134.10	36369.27
20	First Floor	sqm	183.13	144.00	26370.20

[Signature]
Assistant Engineer
 Balasore

Branding for HWC as per specification in outer plaster surface including all complete		Sqft	491.19	50.00	24559.60
22	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	2.25	217.70	489.83
23	110 mm dia U-PVC Door cross Tee	No	2	350.30	700.60
24	110 mm dia U-PVC Door Bend	Nos	2	204.70	409.40
25	110 mm dia U-PVC Plain Bend	Nos	3	147.00	441.00
26	110 mm dia U-PVC Cowl	Nos	4	77.30	309.20
27	75 mm dia U-PVC Pipes (4 Kgf/Cm2)	Mtr	5.00	128.60	643.00
28	75 mm dia U-PVC Plain bend	Nos	3	93.00	279.00
29	75 mm dia U-PVC Door Bend	No	4	122.90	491.60
30	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				
31	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
32	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	1.00	268.90	268.90
33	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	2.50	95.50	238.75
34	25mm dia HDPE Pipe [External Including E/W]	Mtr	3.40	89.57	304.54
35	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)	Each	3	657.00	1971.00
36	S/F of 9W LED bulb (Make: Havels /Philips /Crompton/Polycab/PAC/HPL)	Each	4	167.58	670.32
37	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)	Each	2	14.68	29.36
38	S/F of 5 amp swith and 5A.socket out let of ISI marked on existing board (1.25.1 & 1.25.4)	Each	4.00	83.14	332.56

267235.59

Say 267236.00

TOTAL 38(Thirty Eight) Items only

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

Less than / equal to the estimated cost of Rs. 267236.00

(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. _____

Bevi
30/11/17
Assistant Engineer
NHM, Balasore

30/11/17
APPROVED
C.D.M. & P.H.O.
Balasore