

**BILL OF QUANTITIES - 41/05**

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

Name of the work:-

Tender Call Notice No. :-  
 Approx. Estimated Cost :- Rs. 252284.00  
 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	7.22	186.40	1345.81
2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	1.81	573.16	1037.42
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	1.81	5142.28	9307.53
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	0.90	6575.10	5917.59
5	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete. (in Ground Floor)	qtl	0.24	8216.63	1971.99
6	RCC wok of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
6-a	Chajja	Cum	0.16	12226.92	1956.31
6-b	Roof slab	Cum	0.10	9586.64	958.66
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.18	4559.66	820.74
8	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	Cum	6.05	157.88	955.16
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	34.45	197.13	6790.97
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	27.75	138.47	3842.65
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

  
 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	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	Distempering 2 coats to wall distemper of approved shade with a coat of primer etc complete.(FF)	sqm	325.29	117.00	38056.93
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	509.52	50.00	25475.60
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	96.03	377.80	36280.13
23	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
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 Kgf/Cm <sup>2</sup> )	Mtr	2.16	217.70	470.23
25	110 mm dia U-PVC P' Trap	Nos	2	299.70	599.40

  
Assistant Engineer  
NHM,Balasore

	75 mm dia U-PVC Door cross Tee	No	1	350.30	350.30
	75 mm dia U-PVC Door Bend	Nos	1	204.70	204.70
	110 mm dia U-PVC Plain Bend	Nos	1	147.00	147.00
	110 mm dia U-PVC Cowl	Nos	1	77.30	77.30
30	110 mm dia U-PVC Offset	Nos	1	180.50	180.50
31	125 mm dia C.P. grating	Nos	2	69.60	139.20
32	75 mm dia U-PVC Pipes (4 Kg/Cm <sup>2</sup> )	Mtr	1.00	128.60	128.60
33	75 mm dia U-PVC Plain bend	Nos	1	93.00	93.00
34	75 mm dia U-PVC Door Bend	No	1	122.90	122.90
35	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.-- <b>600mm x 450mm B.E. Mirror (fixed type)</b>	Nos	1.00	611.80	611.80
36	Supplying all materials, labour T&P and fixing standard size <b>C.P. towel rail / ring</b> 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. -- <b>25 mm x 600 mm long C.P Towel rail</b>				
37	C.P. Towel Ring (St.)	Nos	1.00	427.20	427.20
38	Supplying all materials, labour T&P and fixing standard size <b>C.P. soap holder</b> complete with c.p brass brackets fixed to wooden plugs with cp screws as per PH specification and direction of E.I.C <b>C.P.Soap Holder.</b>	Nos	1.00	268.90	268.90
39	Supplying all materials, labour, T&P and laying <b>110 mm dia U-PVC Pipe</b> 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. <b>110 mm dia U-PVC Pipe Sewerage line with all round encasing ( IS-4985/2000- 4 Kg/Cm<sup>2</sup>)</b>	Mtr	2.00	1,077.80	2155.60
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 - <b>15 mm dia PVC (ASTM) Pipe [Internal]</b>	Mtr	1.50	95.50	143.25
41	<b>25mm dia HDPE Pipe [External including E/W]</b>	Mtr	1.50	89.57	134.36
42	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

BOR-4L/04

	...ed wiring to light point with 1.5sqmm FR PVC insulated single 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 100mmx100mmx50mm MS Box with bakelite cover - 1 no)	Point	3	290.87	872.61
44	-do- Light point Group A ( 1.1.1-1.24.2)	Point	2	502.76	1005.52
45	-do- Fan point Group B ( 1.1.2-1.24.2)	Point	1	767.38	767.38
46	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
47	S/F of 9W LED bulb (Make Havels /Philips /Crompton/Polycab/PAC/HPL)	Each	8	167.58	1340.64
48	Supply & Fixing of 48" A.C. ceiling fan without regulator including 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
49	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
50	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
51	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
					252284.46
				Say	252284.00

TOTAL 51(Fifty one ) Items only

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

Less than / equal to the estimated cost of Rs. 252284.00

(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  
 NRM, Balasore

*(Handwritten Signature)*  
 APPROVED  
 C.D.M. & P.H.O.  
 Balasore

**BILL OF QUANTITIES - 42/01**

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

Name of the work:-

Tender Call Notice No :-  
 Approx. Estimated Cost :- Rs. 240996.00  
 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	7.22	186.40	1345.81
2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	1.81	495.11	896.15
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	1.81	5060.97	9160.35
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	0.90	6493.20	5843.88
5	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete. (in Ground Floor)	qtl	0.24	8211.95	1970.87
6	RCC wok of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
6-a	Chajja	Cum	0.16	12143.74	1943.00
6-b	Roof slab	Cum	0.10	9503.46	950.35
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.18	4464.77	803.66
8	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	Cum	6.05	157.19	951.02
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	34.45	196.74	6743.09
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	27.75	137.30	3810.14
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**  
 Dist, 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	144.50	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	39058.93
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	768.92
21	Branding for HWC as per specification in outer plaster surface including all complete	Sqft	509.52	50.00	25475.90
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	50.69	377.80	19150.68
23	Finishing wall surface of wall with cement based wall putty ( water based ) & finished smooth to receive paint	Sqft	95.17	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
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	3.88	217.70	844.68

	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 <sup>2</sup> )	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 <sup>2</sup> )	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 EWW]	Mtr	2.41	89.57	215.86

  
 Assistant Engineer  
 NRM, Balasore

BOB-42104

	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	1568.80
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/Havells/ V-Guard) (deducting the cost of S/F of 100mmx100mmx60mm 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- ... Light point Group B (1.1.1-1.24.2)	Point	3	502.76	1508.28
47	-do- ... Fan point Group B (1.1.2-1.24.2)	Point	2	767.38	1534.76
48	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: Havells /Philips /Crompton/Polycab/PAC/HPL)	Each	3	657.00	1971.00
49	S/F of 9W LED bulb (Make: Havells /Philips /Crompton/Polycab/PAC/HPL)	Each	2	167.58	335.16
50	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
51	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	1.00	284.17	284.17
52	S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.26)	Each	4	14.68	58.72
53	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

240995.81

Say

240996.00

TOTAL 53 (Fifty Three) Items only

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

Less than / equal to the estimated cost of Rs. 240996.00

(Rate to be quoted both figure &amp; ward)

Signature of Contractor

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

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

*Abhinav*  
20/11/20  
Assistant Engineer  
NRM, Balasore

*[Signature]*  
20/11/20 APPROVED  
C.D.M. & P.H.O.  
Balasore

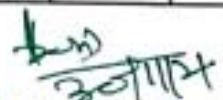
**BILL OF QUANTITIES -43/01**

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

Name of the work:-

Tender Call Notice No :-  
 Approx. Estimated Cost :- 246211.00  
 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	417.06	1017.63
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	2.44	5090.93	12421.87
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	1.22	6523.20	7958.30
5	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete. (in Ground Floor)	qtl	0.24	8208.05	1969.93
6	RCC wok of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
6-a	Chajja	Cum	0.16	12174.16	1947.87
6-b	Roof slab	Cum	0.10	9533.88	953.39
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.18	4396.49	791.37
8	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	Cum	6.05	156.78	948.49
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	34.45	194.64	6705.50
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	27.75	136.40	3784.98
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.	Qntf	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	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

  
 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
		Mtr	3.88	217.70	
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/Cm2)	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/Cm2)	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

	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
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 100mmx90mm 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	5	657.00	3285.00
48	S/F 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-Striker One/Neo/ Crompton-Riviera highspeed/Havells-Samrat/ Anchor-Penta Turbo/ Orient-Summer king/ Breeze )	Each	1.00	2103.00	2103.00
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.(1.38)	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	4	14.68	58.72
52	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

246210.53

Say

246211.00

TOTAL 52(Fifty Two) Items only

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

Less than / equal to the estimated cost of Rs. 246211.00

(Rate to be quoted both figure &amp; 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 - 44/1

Name of the work:-

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

Tender Call Notice No \_\_\_\_\_  
 Approx. Estimated Cost \_\_\_\_\_ Rs. 242496.00  
 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 excavations of foundation in hard soil including rough dressing and levelling the bed etc complete	Cum	7.22	186.40	1345.91
2	Filling foundation and plinth with sand well watered and rammed etc complete	Cum	1.81	495.11	896.15
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	1.81	5054.98	9149.51
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete	Cum	0.90	6484.80	5836.32
5	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete (in Ground Floor)	qm	0.24	8211.95	1970.87
6	RCC work of M-20 grade with 20mm downgraded size hard granite chips including hoisting and laying				
6-a	Chaja	Cum	0.16	12134.66	1941.55
6-b	Roof slab	Cum	0.10	9494.38	949.44
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete	Cum	0.18	4493.00	809.34
8	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete	Cum	6.05	157.10	952.46
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete	sqm	34.45	195.62	6739.15
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	27.75	137.21	3807.59
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**  
 N.H.M., Balasore

BOG-44/2

	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	144.50	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	509.52	50.00	25475.90
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 .	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	119.41	65.80	7857.18
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		2176.70
				2,176.70	

*Balu*  
30/11/20  
Assistant Engineer  
NHM, Balasore

BOA-44/3

	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
		Mtr	3.88	217.70	
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/Cm2)	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)		1.00		611.80
		Nos		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.		2.00		537.80
		Nos		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/Cm2)		2.00		2155.60
		Mtr		1,077.80	
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]		3.50		334.25
		Mtr		95.50	
42	25mm dia HDPE Pipe [External Including E/W]	Mtr	2.48	89.57	222.13

*Bela*  
20/11/20  
Assistant Engineer  
NHM, Balasore

BOB-44/04

<p>Supplying all materials, labour T&amp;P and fitting &amp; 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)</p>	<p>Nos</p>	<p>1.00</p>	<p>1568.80</p>	<p>1568.80</p>
<p>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 &amp; T/ Anchor/Havels/ V-Guard) (deducting the cost of S/F of 100mmx 100mmx60mm M.S.Box with bakelite cover - 1 no)</p>	<p>Point</p>	<p>3</p>	<p>290.87</p>	<p>872.61</p>
<p>45 -do- .... Light point Group A ( 1.1.1-1.24.2)</p>	<p>Point</p>	<p>2</p>	<p>502.76</p>	<p>1005.52</p>
<p>46 -do- .... Fan point Group B ( 1.1.2-1.24.2)</p>	<p>Point</p>	<p>1</p>	<p>767.38</p>	<p>767.38</p>
<p>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)</p>	<p>Each</p>	<p>5</p>	<p>657.00</p>	<p>3285.00</p>
<p>48 S/F of 9W LED bulb (Make: Havels /Philips /Crompton/Polycab/PAC/HPL)</p>	<p>Each</p>	<p>6</p>	<p>167.58</p>	<p>1005.48</p>
<p>49 Supply &amp; 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 )</p>	<p>Each</p>	<p>1.00</p>	<p>2103.00</p>	<p>2103.00</p>
<p>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.(1.38)</p>	<p>Each</p>	<p>2.00</p>	<p>284.17</p>	<p>568.34</p>
<p>51 S/F of batten holder BK angle holder ISI marked including connection etc instead of ceiling rose (1.29-1.28)</p>	<p>Each</p>	<p>4</p>	<p>14.68</p>	<p>58.72</p>
<p>52 S/F of 5 amp switch and 5A socket outlet of ISI marked on existing board (1.25.1 &amp; 1.25.4)</p>	<p>Each</p>	<p>4.00</p>	<p>83.14</p>	<p>332.56</p>

242495.94

Say

242496.00

TOTAL 52(Fifty Two) Items only

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

Less than / equal to the estimated cost of Rs. 242496.00

(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. \_\_\_\_\_

*Abhinav*  
*30/11/21*

Assistant Engineer  
NHM, Balasore

APPROVED

*30/11/21*  
C.D.M. & P.H.O.  
Balasore

## BILL OF QUANTITIES - 45/1

Name of the work:-

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

Tender Call Notice No :-  
 Approx. Estimated Cost :- Rs. 246968.00  
 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	483.96	1180.86
3	Cement concrete (1:3:6) with 4 cm size metal etc. comp.	Cum	2.44	5050.14	12322.35
4	Cement concrete (1:2:4) with nominal stone aggregate etc complete.	Cum	1.22	6483.10	7909.38
5	Labour for cutting, bending, shifting to site, tying and placing in position HYSD Bar etc. complete. (in Ground Floor)	qtl	0.24	8211.17	1970.68
6	RCC wok of M-20 grade with 20mm downgraded size hard granite chips including holisting and laying				
6-a	Chajja	Cum	0.16	12133.60	1941.38
6-b	Roof slab	Cum	0.10	9493.32	949.33
7	Fly ash Brick work (1:6) in superstructure including all labour and material etc complete.	Cum	0.18	4454.85	801.87
8	6mm thick cement plaster in C.M (1:4) including all labour and material etc complete.	Cum	6.05	157.12	950.60
9	16mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	34.45	195.57	6737.54
10	12mm thick cement plaster in C.M (1:6) including all labour and material etc complete.	sqm	27.75	137.16	3806.31
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 <b>Ceramic tiles</b> 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	144.50	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	509.52	50.00	25475.90
22	2.5 cm <b>grading concrete (1:2:2)</b> 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		2176.70

*Abhinav*  
 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
		Mtr	3.88	217.70	
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/Cm2)	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)		1.00		611.80
		Nos		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.		2.00		537.80
		Nos		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/Cm2)		2.00		2155.60
		Mtr		1,077.80	
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]		3.50		334.25
		Mtr		95.50	
42	25mm dia HDPE Pipe [External Including E/W]	Mtr	2.48	89.57	222.13

	Supplying all materials, labour T&P and fitting & fixing 10 Litres capacity low level cistern with a pair of cast iron of r.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. (Neycor/Cerra/ Parry ware/ Hindware)	Nos	1.00	1,568.80	1568.80
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 = Finolex/L & T/ Anchor/Havels/ V-Guard) (deducting the cost of S/F of 100mmx100mmx60mm 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	5	657.00	3285.00
48	S/F 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 Striker One/Neo/ Crompton-Fiviera highspeed/Havells-Samrat/ Anchor-Penta Turbo/ Orient-Summer king/ Breeze )	Each	1.00	2103.00	2103.00
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 (1.26)	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 (1.25-1.26)	Each	4	14.68	58.72
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	4.00	83.14	332.56

246968.03

Say

246968.00

TOTAL 52(Fifty Two) Items only

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

Less than / equal to the estimated cost of Rs. 246968.00

(Rate to be quoted both figure &amp; 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

**TENDER SCHEDULE**

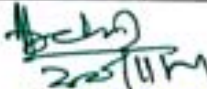
(BILL OF QUANTITY) - 46/01

	Name of work-	Renovation of SC at Chilapada SC under Remuna Block			
	Estimated Cost-	Rs- 238205.00			
	E.M. to be Deposited-				
	Cost Of Tender paper with VAT 4%				
	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 Figure	AMOUNT in Rupees
1	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 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.				
	Slab	0.28	1 Cum	9252.49	2618.00
2	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 conveyance, royalty taxes of M.S. or Tor steel and binding wire of 18 to 20 gauge and cost of all labour T&P required for the work as per the specification and direction of the Engineer-in-charge.	0.28	1 Qtl.	8111.27	2295.00
3	Providing fixing granite 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.	4.18	1 Sqm	1221.64	5107.00

  
Assistant Engineer  
NHM, Balasore


BOQ-46/02

4	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 . Per Sqm. Including splays 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. <b>In Superstructure)</b>	0.53	1 Cum	4475.24	2394.00
5	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.	9.41	1sqm	195.01	1834.00
6	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 . complete as per specification and direction of the Engineer-in-charge.	3.72	1 Cum	184.62	686.00
7	Supplying filling in foundation and plinth with fine coarse sand of approved quality in layer not exceding 23.5 cm (5') free from organic and vegetation materials, well watered and rammed including allcomplete as per the specification and direction of the Engineer-in-charge(Measurement will be taken on finished compacted section only)	9.37	1 Cum	480.37	4503.00
8	Cement concrete of proportion (1:4:8) in foundation and plinth using 4cm size clean hard hand broken granite metal of complete as per specification and direction of the Engineer-in-charge.	1.67	1 Cum	4373.69	7284.00
9	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 . Per Sqm. Including splays 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. <b>In foundation)</b>	2.52	1 Cum	4475.24	11293.00
10	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.	31.65	1 Sqm	136.94	4335.00

  
 Assistant Engineer  
 J. A. Salasora

BOQ-46/03

11	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.	16.51	1sqm	195.01	3219.00
12	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.	2.33	1 Cum	152.35	355.00
13	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.	11.15	1 Sqm	965.05	10758.00
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 complete as per specification and direction of the Engineer-in-charge.	4.20	kg	7472.68	31385.00
15	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.	3.15	1 Sqm	708.10	2228.00
16	:Fixing of ceramic floor tiles of Size 30cmx30cm / 40cmx40cm special plane / printed series of premium grade having thickness 7mm to 8mm confirming to IS 13753 laid on on 25mm thick bed of Cement mortar 1:4 ( 1 Cement : 4 sand ) and filling joint with white Cement of approved quality in slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of tiles or stones.	6.50	1 Sqm	684.44	4451.00
17	Distempering two coats to the wall surface with any approved paint over a one coat of primer including cost of distemper etc. in all respect as per the specification & direction of the Engineer in charge.	398.34	1 Sqm	120.56	48026.00
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.	284.46	1 Sqm	128.31	36499.00
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.	55.29	1 Sqm	190.85	10552.00
20	Branding for HWC as per specification in outer plaster surface including all complete	484.69	1sft	50.00	24234.50

  
Assistant Engineer  
NHM, Balasore

BOA-46/04

21	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 Kgf/Cm <sup>2</sup> )	8.00	Mtr	206.00	1648.00
22	110 mm dia U-PVC P' Trap	3	Nos	299.70	899.10
23	110 mm dia U-PVC Double Junction Door	2	Nos	350.30	700.60
24	110 mm dia U-PVC Plain Tee	2	Nos	267.00	534.00
25	110 mm dia U-PVC Door Bend	4	Nos	204.70	818.80
26	110 mm dia U-PVC Plain Bend	2	Nos	147.00	294.00
27	110 mm dia U-PVC Offset	2	Nos	180.50	361.00
28	110 mm dia U-PVC Cowl	2	Nos	77.30	154.60
29	125 mm dia C.P.grating	2	Nos	68.30	136.60
30	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.	5	Nos	267.40	1337.00
31	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 <sup>2</sup> )	5.00	Mtr	1,058.90	5294.50
32	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]	3.00	Mtr	94.50	283.50
33	Holder BK angle	6	each	14.68	88.08
34	Fitting and fixing of ceiling fan	4	each	2200	8800.00
35	Fan regulator in existing switch board etc all.	4	each	280.82	1123.28
36	Supply instation testing and commissioning 10watt	10	each	167.58	1675.80
					238205.36
				Say	238205.00

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.....

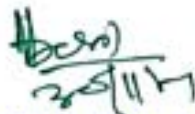
  
Assistant Engineer  
NHM, Balasore

  
CDM & PHO, Balasore

**TENDER SCHEDULE**

(BILL OF QUANTITY) - 47/01

Name of work-	Renovation of SC at Patripal SC under Remuna Block				
Estimated Cost-	Rs- 239974.00				
E.M. to be Deposited-					
Cost Of Tender paper with VAT 4%					
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	No. or Qty	UNIT	Estimated Rate Figure	AMOUNT in Rupees
1	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 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.				
	Slab	0.28	1 Cum	9106.79	2577.00
2	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 conveyance, royalty taxes of M.S. or Tor steel and binding wire of 18 to 20 gauge and cost of all labour T&P required for the work as per the specification and direction of the Engineer-in-charge.	0.28	1 Qtl.	8105.16	2294.00
3	Providing fixing granite 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.	4.18	1 Sqm	1216.99	5088.00

**Assistant Engineer  
NHM, Balasore**

BOQ-47/02

4	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 . Per Sqm. Including splays 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.In Superstructure)	0.53	1 Cum	4347.94	2326.00
5	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.	9.41	1sqm	192.68	1812.00
6	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 . complete as per specification and direction of the Engineer-in-charge.	3.72	1 Cum	184.62	686.00
7	Supplying filling in foundation and plinth with fine coarse sand of approved quality in layer not exceding 23.5 cm (5') free from organic and vegetation materials, well watered and rammed including allcomplete as per the specification and direction of the Engineer-in-charge(Measurement will be taken on finished compacted section only)	9.37	1 Cum	364.83	3420.00
8	Cement concrete of proportion (1:4:8) in foundation and plinth using 4cm size clean hard hand broken granite metal of complete as per specification and direction of the Engineer-in-charge.	1.67	1 Cum	4229.81	7045.00
9	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 . Per Sqm. Including splays 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.In foundation)	2.52	1 Cum	4347.94	10972.00
10	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.	31.65	1 Sqm	135.00	4273.00

*B. S. S. S.*  
*20/11/20*  
**Assistant Engineer**  
**NHM, Balasore**

BOQ-47/03

11	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.	29.48	1sqm	192.68	5681.00
12	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.	2.33	1 Cum	151.27	352.00
13	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.	11.15	1 Sqm	960.40	10706.00
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 complete as per specification and direction of the Engineer-in-charge.	4.20	kg	7472.68	31385.00
15	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.	3.15	1 Sqm	704.01	2216.00
16	:Fixing of ceramic floor tiles of Size 30cmx30cm / 40cmx40cm special plane / printed series of premium grade having thickness 7mm to 8mm confirming to IS 13753 laid on on 25mm thick bed of Cement mortar 1:4 ( 1 Cement : 4 sand ) and filling joint with white Cement of approved quality in slurry mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of tiles or stones.	6.50	1 Sqm	679.79	4421.00
17	Distempering two coats to the wall surface with any approved paint over a one coat of primer including cost of distemper etc. in all respect as per the specification & direction of the Engineer in charge.	398.34	1 Sqm	120.56	48026.00
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.	284.46	1 Sqm	128.31	36499.00
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.	55.29	1 Sqm	190.85	10552.00
20	Branding for HWC as per specification in outer plaster surface including all complete	484.69	1sft	50.00	24234.50

*Abhishek*  
 Assistant Engineer  
 NHM, Balasore

BOQ-47/04

21	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 Kgf/Cm <sup>2</sup> )	8.00	Mtr	206.00	1648.00
22	110 mm dia U-PVC P' Trap	3	Nos	299.70	899.10
23	110 mm dia U-PVC Double Junction Door	2	Nos	350.30	700.60
24	110 mm dia U-PVC Plain Tee	2	Nos	267.00	534.00
25	110 mm dia U-PVC Door Bend	4	Nos	204.70	818.80
26	110 mm dia U-PVC Plain Bend	2	Nos	147.00	294.00
27	110 mm dia U-PVC Offset	2	Nos	180.50	361.00
28	110 mm dia U-PVC Cowl	2	Nos	77.30	154.60
29	125 mm dia C.P.grating	3	Nos	68.30	204.90
30	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.	5	Nos	267.40	1337.00
31	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 <sup>2</sup> )	5.00	Mtr	1,058.90	5294.50
32	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]	3.00	Mtr	94.50	283.50
33	Holder BK angle	6	each	14.68	88.08
34	Fitting and fixing of ceiling fan	2	each	2200	4400.00
35	Fan regulator in existing switch board etc all.	4	each	280.82	1123.28
36	Supply instation testing and commissioning 10watt	10	each	167.58	1675.80
37	PVC insualated single core multistandard copper				
38	.....do..... 2x1.5sqmm+1x1.5sqmm(1.8.1)	PM	7	120.11	840.77
39	.....do..... 2x2.5sqmm+1x1.5sqmm(1.8.2)	PM	7	134.06	938.42
40	.....do..... 2x1.4sqmm+1x1.5sqmm(1.8.3)	PM	7	151.44	1060.08
41	18-25 led tube light Fitting including bulb	each	4	688	2752.00
					239973.93
				Say	239974.00

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  
paper vide Money Receipt No.....

) only towards cost of tender

*[Signature]*  
Assistant Engineer  
NHM, Balasore

*[Signature]*  
Chief District Medical & Public  
Health Officer, Balasore

**TENDER SCHEDULE**

(BILL OF QUANTITY) - 48/01

	Name of work-	Renovation of SC at Rasalpur SC under Remuna Block			
	Estimated Cost-	Rs- 240262.00			
	E.M. to be Deposited-				
	Cost Of Tender paper with VAT 4%				
	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	No. or Qty	UNIT	Estimated Rate Figure	AMOUNT in Rupees
1	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 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.				
	Slab	0.28	1 Cum	9170.33	2595.00
2	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 conveyance, royalty taxes of M.S. or Tor steel and binding wire of 18 to 20 gauge and cost of all labour T&P required for the work as per the specification and direction of the Engineer-in-charge.	0.28	1 Qtl.	8107.77	2295.00
3	Providing fixing granite 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.	4.18	1 Sqm	1218.45	5094.00

*Behi*  
*20/11/17*

**Assistant Engineer  
NHM, Balasore**

BOQ-48/02

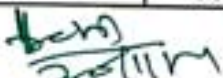
4	250mm thick Flyash.brick work in cement mortar (1:6) after immersing brick for six hours in water before use in superstructure with good quality clamp brunt of brick 25 cm x 12 cm x 8 cm size having crushing strength not less than 100kg . Per Sqm. Including splays cutting circular molding and similar 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.In Superstructure)	0.53	1 Cum	4359.11	2332.00
5	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.	9.41	1sqm	192.94	1815.00
6	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 . complete as per specification and direction of the Engineer-in-charge.	3.72	1 Cum	184.62	686.00
7	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 allcomplete as per the specification and direction of the Engineer-in-charge(Measurement will be taken on finished compacted section only).	9.37	1 Cum	373.72	3504.00
8	Cement concrete of proportion (1:4:8) in foundation and plinth using 4cm size clean hard hand broken granite metal of complete as per specification and direction of the Engineer-in-charge.	1.67	1 Cum	4292.65	7149.00
9	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 . Per Sqm. Including splays 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.In foundation)	2.52	1 Cum	4359.11	11000.00
10	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.	31.65	1 Sqm	135.22	4280.00



Assistant Engineer  
NHM, Balasore

BOQ-48/03

11	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.	29.48	1sqm	192.94	5688.00
12	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.	2.33	1 Cum	151.43	353.00
13	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.	11.15	1 Sqm	961.54	10719.00
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 complete as per specification and direction of the Engineer-in-charge.	4.20	kg	7472.68	31385.00
15	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.	3.15	1 Sqm	705.16	2219.00
16	:Fixing of ceramic floor tiles of Size 30cmx30cm / 40cmx40cm special plane / printed series of premium grade having thickness 7mm to 8mm confirming to IS 13753 laid on on 25mm thick bed of Cement mortar 1:4 ( 1 Cement : 4 sand ) and filling joint with white Cement of approved quality in slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of tiles or stones.	6.50	1 Sqm	680.93	4428.00
17	Distemping two coats to the wall surface with any approved paint over a one coat of primer including cost of distemper etc. in all respect as per the specification & direction of the Engineer in charge.	398.34	1 Sqm	120.56	48026.00
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.	284.46	1 Sqm	128.31	36499.00
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.	55.29	1 Sqm	190.85	10552.00
20	Branding for HWC as per specification in outer plaster surface including all complete	484.69	1sft	50.00	24234.50
21	Supplying all materials, labour T&P and fitting & fixing U-PVC	8.00	Mtr	206.00	1648.00

  
 Assistant Engineer  
 NHM, Balasore

BOQ-48/04

22	110 mm dia U-PVC P' Trap	3	Nos	299.70	899.10
23	110 mm dia U-PVC Double Junction Door	2	Nos	350.30	700.60
24	110 mm dia U-PVC Plain Tee	2	Nos	267.00	534.00
25	110 mm dia U-PVC Door Bend	4	Nos	204.70	818.80
26	110 mm dia U-PVC Plain Bend	2	Nos	147.00	294.00
27	110 mm dia U-PVC Offset	2	Nos	180.50	361.00
28	110 mm dia U-PVC Cowl	2	Nos	77.30	154.60
29	125 mm dia C.P. grating	3	Nos	68.30	204.90
30	Supplying all materials, labour T&P and fixing standard size C.P.	5	Nos	267.40	1337.00
31	Supplying all materials, labour, T&P and laying 110 mm dia U-	5.00	Mtr	1,058.90	5294.50
32	Supplying all materials, labour, T&P and providing and fixing to	3.00	Mtr	94.50	283.50
33	Holder BK angle	6	each	14.68	88.08
34	Fitting and fixing of ceiling fan	2	each	2200	4400.00
35	Fan regulator in existing switch board etc all.	4	each	280.82	1123.28
36	Supply instation testing and commissioning 10watt	10	each	167.58	1675.80
37	PVC insualated single core multistandard copper				
38	.....do..... 2x1.5sqmm+1x1.5sqmm(1.8.1)	PM	7	120.11	840.77
39	.....do..... 2x2.5sqmm+1x1.5sqmm(1.8.2)	PM	7	134.06	938.42
40	.....do..... 2x1.4sqmm+1x1.5sqmm(1.8.3)	PM	7	151.44	1060.08
41	18-25 led tube light Fitting including bulb	each	4	688	2752.00
					240261.93
				Say	240262.00

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.....

*H. Balu*  
*30/11/21*

Assistant Engineer  
 WPA, Balasore

*✓*  
*3/11/21*

CDM & PHO, Balasore

**TENDER SCHEDULE**  
(BILL OF QUANTITY) -49/01

Name of work-		Renovation of SC at Kharid Mukhura SC under Remuna Block			
Estimated Cost-		Rs- 240011.00			
E.M. to be Deposited-					
Cost Of Tender paper with VAT 4%		Rs-			
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 Figure	AMOUNT in Rupees
1	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 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.				
	Slab	0.28	1 Cum	9134.94	2585.00
2	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 conveyance, royalty taxes of M.S. or Tor steel and binding wire of 18 to 20 gauge and cost of all labour T&P required for the work as per the specification and direction of the Engineer-in-charge.	0.28	1 Qtl.	8103.41	2293.00
3	Providing fixing granite 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.	4.18	1 Sqm	1216.09	5084.00

*Being*  
*30/11/20*  
**Assistant Engineer**  
**NHM, Balasore**

BOQ-49/02

4	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 . Per Sqm. Including splays 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.(In Superstructure)	0.53	1 Cum	4346.82	2325.00
5	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.	9.41	1sqm	192.60	1812.00
6	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 . complete as per specification and direction of the Engineer-in-charge.	3.72	1 Cum	184.62	686.00
7	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 allcomplete as per the specification and direction of the Engineer-in-charge(Measurement will be taken on finished compacted section only)	9.37	1 Cum	364.83	3420.00
8	Cement concrete of proportion (1:4:8) in foundation and plinth using 4cm size clean hard hand broken granite metal of complete as per specification and direction of the Engineer-in-charge.	1.67	1 Cum	4263.14	7100.00
9	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 . Per Sqm. Including splays 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.(In foundation)	2.52	1 Cum	4346.82	10969.00
10	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.	31.65	1 Sqm	134.94	4272.00

  
 Assistant Engineer  
 NHM, Balasore

BOA-49/03

11	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.	29.48	1sqm	192.60	5679.00
12	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.	2.33	1 Cum	151.21	352.00
13	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.	11.15	1 Sqm	959.76	10699.00
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 complete as per specification and direction of the Engineer-in-charge.	4.20	kg	7472.68	31385.00
15	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.	3.15	1 Sqm	703.34	2213.00
16	:Fixing of ceramic floor tiles of Size 30cmx30cm / 40cmx40cm special plane / printed series of premium grade having thickness 7mm to 8mm confirming to IS 13753 laid on on 25mm thick bed of Cement mortar 1:4 ( 1 Cement : 4 sand ) and filling joint with white Cement of approved quality in slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of tiles or stones.	6.50	1 Sqm	679.15	4417.00
17	Distemping two coats to the wall surface with any approved paint over a one coat of primer including cost of distemper etc. in all respect as per the specification & direction of the Engineer in charge.	398.34	1 Sqm	120.56	48026.00
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.	284.46	1 Sqm	128.31	36499.00
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.	55.29	1 Sqm	190.85	10552.00
20	Branding for HWC as per specification in outer plaster surface including all complete	484.69	1sft	50.00	24234.50

  
 Assistant Engineer  
 NHM, Balasore

BOR-49/04

21	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 Kg/Cm <sup>2</sup> )	8.00	Mtr	206.00	1648.00
22	110 mm dia U-PVC P' Trap	3	Nos	299.70	899.10
23	110 mm dia U-PVC Double Junction Door	2	Nos	350.30	700.60
24	110 mm dia U-PVC Plain Tee	2	Nos	267.00	534.00
25	110 mm dia U-PVC Door Bend	4	Nos	204.70	818.80
26	110 mm dia U-PVC Plain Bend	2	Nos	147.00	294.00
27	110 mm dia U-PVC Offset	2	Nos	180.50	361.00
28	110 mm dia U-PVC Cowl	2	Nos	77.30	154.60
29	125 mm dia C.P.grating	3	Nos	68.30	204.90
30	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.	5	Nos	267.40	1337.00
31	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 of 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 <sup>2</sup> )	5.00	Mtr	1,058.90	5294.50
32	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]	3.00	Mtr	94.50	283.50
33	Holder BK angle	6	each	14.68	88.08
34	Fitting and fixing of ceiling fan	2	each	2200	4400.00
35	Fan regulator in existing switch board etc all.	4	each	280.82	1123.28
36	Supply instation testing and commissioning 10watt	10	each	167.58	1675.80
37	PVC insualated single core multistandard copper conductor of ISI mark (ISI mark to Hevells, V guard L&T Finolex)				
38	.....do..... 2x1.5sqmm+1x1.5sqmm(1.8.1)	PM	7	120.11	840.77
39	.....do..... 2x2.5sqmm+1x1.5sqmm(1.8.2)	PM	7	134.06	938.42
40	.....do..... 2x1.4sqmm+1x1.5sqmm(1.8.3)	PM	7	151.44	1060.08
41	18-25 led tube light Fitting including bulb	each	4	688	2752.00
					240010.93
				Say	240011.00

My quoted rate is  
 (infigure) \_\_\_\_\_ % (in words) \_\_\_\_\_ % excess  
 over/less than/equal to the above estimated cost.

Signature of Contractor

Sold for the work .....

*Behm*  
 20/11/24  
 Assistant Engineer  
 (Civil), Balasore

*31/12*  
 Chief District Medical & Public  
 Health Officer, Balasore

**TENDER SCHEDULE**  
(BILL OF QUANTITY) - 50/01

Name of work-		Renovation of SC at Kasimpur SC under Remuna Block			
Estimated Cost-		Rs- 240262.00			
E.M. to be Deposited-					
Cost Of Tender paper with VAT 4%					
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	No. or Qty	UNIT	Estimated Rate Figure	AMOUNT in Rupees
1	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 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.				
	Slab	0.28	1 Cum	9170.33	2595.00
2	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 conveyance, royalty taxes of M.S. or Tor steel and binding wire of 18 to 20 gauge and cost of all labour T&P required for the work as per the specification and direction of the Engineer-in-charge.	0.28	1 Qtl.	8107.77	2295.00
3	Providing fixing granite 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.	4.18	1 Sqm	1218.45	5094.00

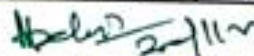
  
**Assistant Engineer**  
**NHM, Balasore**

BOQ-50/02

4	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 . Per Sqm. Including splays 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.In Superstructure)	0.53	1 Cum	4359.11	2332.00
5	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.	9.41	1sqm	192.94	1815.00
6	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 . complete as per specification and direction of the Engineer-in-charge.	3.72	1 Cum	184.62	686.00
7	Supplying filling in foundation and plinth with fine coarse sand of approved quality in layer not exceding 23.5 cm (5') free from organic and vegetation materials, well watered and rammed including allcomplete as per the specification and direction of the Engineer-in-charge(Measurement will be taken on finished compacted section only)	9.37	1 Cum	373.72	3504.00
8	Cement concrete of proportion (1:4:8) in foundation and plinth using 4cm size clean hard hand broken granite metal of complete as per specification and direction of the Engineer-in-charge.	1.67	1 Cum	4292.65	7149.00
9	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 . Per Sqm. Including splays 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.In foundation)	2.52	1 Cum	4359.11	11000.00
10	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.	31.65	1 Sqm	135.22	4280.00

  
 Assistant Engineer  
 KVVV, Balasore

11	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.	29.48	1sqm	192.94	5688.00
12	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.	2.33	1 Cum	151.43	353.00
13	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.	11.15	1 Sqm	961.54	10719.00
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 complete as per specification and direction of the Engineer-in-charge.	4.20	kg	7472.68	31385.00
15	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.	3.15	1 Sqm	705.16	2219.00
16	-Fixing of ceramic floor tiles of Size 30cmx30cm / 40cmx40cm special plane / printed series of premium grade having thickness 7mm to 8mm confirming to IS 13753 laid on on 25mm thick bed of Cement mortar 1:4 ( 1 Cement : 4 sand ) and filling joint with white Cement of approved quality in slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of tiles or stones.	6.50	1 Sqm	680.93	4428.00
17	Distemping two coats to the wall surface with any approved paint over a one coat of primer including cost of distemper etc. in all respect as per the specification & direction of the Engineer in charge.	398.34	1 Sqm	120.56	48026.00
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.	284.46	1 Sqm	128.31	36499.00
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.	55.29	1 Sqm	190.85	10552.00
20	Branding for HWC as per specification in outer plaster surface including all complete	484.69	1sft	50.00	24234.50
21	Supplying all materials, labour T&P and fitting & fixing U-PVC	8.00	Mtr	206.00	1648.00

  
 Assistant Engineer  
 NHM, Balasore

BOQ-50/04

22	110 mm dia U-PVC P Trap	3	Nos	299.70	899.10
23	110 mm dia U-PVC Double Junction Door	2	Nos	350.30	700.60
24	110 mm dia U-PVC Plain Tee	2	Nos	267.00	534.00
25	110 mm dia U-PVC Door Bend	4	Nos	204.70	818.80
26	110 mm dia U-PVC Plain Bend	2	Nos	147.00	294.00
27	110 mm dia U-PVC Offset	2	Nos	180.50	361.00
28	110 mm dia U-PVC Cowl	2	Nos	77.30	154.60
29	125 mm dia C.P grating	3	Nos	68.30	204.90
30	Supplying all materials, labour T&P and fixing standard size C.P.	5	Nos	267.40	1337.00
31	Supplying all materials, labour, T&P and laying 110 mm dia U-	5.00	Mtr	1,058.90	5294.50
32	Supplying all materials, labour, T&P and providing and fixing to	3.00	Mtr	94.50	283.50
33	Holder BK angle	6	each	14.68	88.08
34	Fitting and fixing of ceiling fan	2	each	2200	4400.00
35	Fan regulator in existing switch board etc all.	4	each	280.82	1123.28
36	Supply instation testing and commissioning 10watt	10	each	167.58	1675.80
37	PVC insualated single core multistandard copper				
38	.....do..... 2x1.5sqmm+1x1.5sqmm(1.8.1)	PM	7	120.11	840.77
39	.....do..... 2x2.5sqmm+1x1.5sqmm(1.8.2)	PM	7	134.06	938.42
40	.....do..... 2x1.4sqmm+1x1.5sqmm(1.8.3)	PM	7	151.44	1060.08
41	18-25 led tube light Fitting including bulb	each	4	688	2752.00
					240261.93
				Say	240262.00

My quoted rate is  
(infigure) \_\_\_\_\_ % (in words) \_\_\_\_\_ % 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.....

*Handwritten signature*  
30/11/21

Assistant Engineer  
NIM, Balasore

*Handwritten signature*  
30/11/21

CDM & PHO, Balasore