

BILL OF QUANTITY

**Construction of Sub Centre Building at Laxminarayanpur under Telkoi block for the year
2021-22 under NHM**

TENDER AMOUNT

Rs. 21,10,465.00

EMD @ 1%

Rs,21,105.00

COST OF TENDER PAPER

Rs 6000.00

TIME OF COMPLETION

Six months

CLASS OF CONTRACTOR

C & B

SI No	Item of Work	Quantity	Unit	Rate	Amount
1	2	3	4	5	6
1	Earth work in excavation of foundation in hard soil or gravelly soil within 50 m initial lead and initial lift, including dressing and levelling the bed etc. complete	91.01	Each cum	207.89	18920.07
2	Filling in foundation and plinth with excavated earth including watering and ramming as directed by the E.I.C. etc. complete	91.01	Each cum	138.59	12613.38
3	Supplying and filling foundation and plinth with sand wall watered and rammed with cost conveyance and royalty, taxes of all materials and labour (T&P) etc. complete.	68.12	Each cum	695.15	47353.32
4	Cement Concrete (1:3:6) in Foundation using 4 cm size bhg metal including watering, curing with cost, conveyance, royalty and taxes of all materials and cost of all labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	21.46	Each cum	5141.50	110336.60
5	Cement Concrete (1:1.5:3) using 12mm size cbhg chips including watering, curing with cost, conveyance, royalty and taxes of all materials and cost of all labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	0.74	Each cum	7761.69	5743.65
6	R.C.C. M20 using 20 mm & down size b.h.g.c.b chips including watering, curing with cost, conveyance, taxes and cost of all labour (T&P) etc. complete as per the direction of Engineer-in-Charge.				
A	Foundation footing	13.40	Each Cum	6047.90	81041.83
B	Plinth Beam	5.44	Each Cum	6407.92	34859.06
C	Column and Beams (GF)	8.10	Each Cum	11771.48	95348.99
	Column and Beams (FF)	0.55	Each Cum	13019.90	7160.95
D	Lintel(GF)	3.39	Each Cum	9620.09	32612.10
	Lintel (FF)	0.10	Each Cum	10438.23	1043.82
E	Sunshade(GF)	9.47	Each Sqm	855.86	8103.17
	Sunshade(FF)	0.84	Each Sqm	953.76	798.30
F	R.C.C Shelves	2.14	Each Sqm	810.43	1733.52

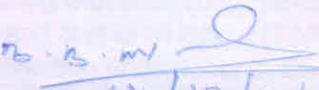
G	R.C.C Stair	1.52	Each Cum	11300.49	17169.00
H	Roof slab,landing & Chajja	10.27	Each Cum	10191.61	104667.81
7	Cutting, Bending, binding and tying the grills and placing in position including cost, conveyance, taxes of all materials and cost of all labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	47.74	Each Qntl	9020.99	430662.06
8	20mm thick C.P. (1:4) as grading plaster including watering, curing, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	89.81	Each Sqm	252.39	22667.41
9	Fly Ash Brick masonry with CM (1:6) in foundation including watering, curing with cost, conveyance, royalty and taxes of all materials & labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	27.23	Each Cum	4695.78	127866.10
10	Fly Ash Brick masonry with CM (1:6) in superstructure including watering, curing with cost, conveyance, royalty and taxes of all materials & labour (T&P) etc. complete as per the direction of Engineer-in-Charge.				
A	GROUND FLOOR	44.96	Each Cum	4729.11	212620.81
B	FIRST FLOOR	10.20	Each cum	5438.48	55472.54
11	16mm thick C.P. (1:6) including watering, curing, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.				
A	GROUND FLOOR	319.64	Each	215.40	68849.50
B	FIRST FLOOR	63.25	Each	219.65	13893.46
12	12mm thick C.P. (1:6) including watering, curing, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.				
A	GROUND FLOOR	304.03	Each Sqm	153.36	46626.50
B	FIRST FLOOR	50.30	Each Sqm	158.13	7954.63
13	Supplying, fitting, fixing of Vetrified tile flooring on 20mm thick bed of C.M. (1:4) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	72.93	Each Sqm	1001.38	73030.53
14	Supplying, fitting, fixing of Vetrified tile in dados on 12mm thick C.P. (1:3) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	13.50	Each Sqm	1414.21	19091.835

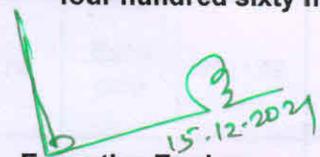
15	Supplying, fitting, fixing of Ceramic Glazed Wall tile in walls on 12mm thick C.P. (1:3) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	24.41	Each Sqm	1104.17	26952.7897
16	Fixing tiles (Vitrified Industrial Tiles) in floors treads or steps and landing on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 sand) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubbing and polishing with cost, conveyance of all materials etc. complete.				
A	GROUND FLOOR	28.72	Each	1303.55	37437.08
B	FIRST FLOOR	0.33	Each	1329.97	432.91
17	Supplying, fitting, fixing of Vetrified Industrial tile in dados on 12mm thick C.P. (1:3) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	8.04	Each Sqm	1303.55	10486.41
18	Supplying, fitting, fixing of Grinite on 20mm thick bed of C.M. (1:4) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	7.22	Each Sqm	1053.64	7607.28
19	6mm thick C.P. (1:4) as ceiling plaster including watering, curing, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.				
A	GROUND FLOOR	141.06	Each Sqm	163.83	23109.58
B	FIRST FLOOR	1.77	Each Sqm	167.17	295.89
20	Providing, supplying and fitting and fixing of M.S. Door / Window shutters, gates & M.S. grills as per approved design etc. complete.				
	MS Grills..	86.10	Each KG	92.93	8001.24
	MS Door & Windows	1637.75	Each KG	92.93	152196.11
21	Supplying, fitting, fixing up window (sliding type) made up aluminium section 9778 as window frame Section No. 4095, 4096 and 9777, 3994 as shutter frame pannel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes of labour, T&P etc. complete.	1.12	Each Sqm	3651.23	4089.38
22	Providing MS Colour sheets (as per IS :14871) up to any pitch and fixing with polymer coated J or L hook and bitumen washer and bolt etc. complete with supply of all labour, taxes, T & P etc. (As SR-page no 127/36	13.44	Each Sqm	659.14	8858.81
23	Wall painting two coat with plastic emulsion paint over a coat of priming including cost of all materials and labour etc.				
A	GROUND FLOOR	413.05	Each Sqm	155.42	64195.97

B	FIRST FLOOR	25.14	Each Sqm	156.69	3939.17
24	Painting two coats over a coat of primer with any approved Enamel paints including cost, conveyance of all materials and labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	87.29	Each Sqm	179.98	15710.76
25	Finishing out side wall surface with Weather Coat (I.S.I) two coats with any approved shade over a coat of priming including cost of all materials and labour (T&P) etc. complete as per the direction of Engineer-in-Charge.				
A	GROUND FLOOR	326.87	Each Sqm	135.19	44188.74
B	FIRST FLOOR	92.43	Each Sqm	159.32	14725.89
26	Supplying, fitting and fixing of stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in stair case as per approved design and specification, buffing, polishing etc. with cost conveyance, taxes of all materials labour, T&P etc. required for the complete as per the direction of Engineer-in-Charge.	7.62	Each Rmt	3501.98	26685.06
27	Providing and fixing 100 mm dia PVC rain water pipe 1 mtr long with all cost of labour and materials etc. complete.	13.24	Each Rmt	250.05	3310.66
				Total	2110464.67
				OR SAY	2110465.00

Approved for 27 (Twenty seven) items only

Rupees twenty one lakh ten thousand four hundred sixty five only


Assistant Engineer
NHM, Keonjhar


Executive Engineer
D.R.D.A, Keonjhar

TO BE FILLED BY THE TENDERER

1) My/ Our quoted rate is (both in figure and words)

Equal to Estimate Cost
Excess in Percentage
Less in Percentage

In Words

In figures

	%
	%
	%

Notes:-

- 1) The Tenderer should quote the percentage up to one decimal point only.
- 2) The Tenderer should go through the special conditions in the DTCN for percentage rate contract before tendering .
- 3) The Tenderers should quoted their percentage only inside the space provided for the purpose .
- 4) The percentage quoted at any other place will not be taken into consideration.

Executive Engineer
D.R.D.A, Keonjhar

Block Development Officer
Telkoi

Signature of the Contractor

BILL OF QUANTITY

NAME OF THE WORK: - Construction of proposed PHC Building KALIAHOTA under Telkoi block for the year 2021-22

TENDER AMOUNT

EMD @ 1%

COST OF TENDER PAPER

TIME OF COMPLETION

CLASS OF CONTRACTOR

Rs. 6087311.00

Rs. 60873.11

Rs 10000.00

9 (Nine) months

B & A

SI No	Item of Work	Quantity	Unit	Rate	Amount
1	2	3	4	5	6
1	Earth work in excavation of foundation in hard soil or gravelly soil within 50 m initial lead and initial lift, including dressing and levelling the bed etc. complete	240.17	Each cum	207.89	49928.94
2	Filling in foundation and plinth with excavated earth including watering and ramming as directed by the E.I.C. etc. complete	240.17	Each cum	138.59	33285.96
3	Supplying and filling foundation and plinth with sand well watered and rammed with cost conveyance and royalty, taxes of all materials and labour (T&P) etc. complete.	273.09	Each cum	638.15	174271.18
4	Cement Concrete (1:3:6) in Foundation using 4 cm size bhg metal including watering, curing with cost, conveyance, royalty and taxes of all materials and cost of all labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	80.56	Each cum	5359.15	431733.16
5	Cement Concrete (1:1.5:3) using 12mm size cbhg chips including watering, curing with cost, conveyance, royalty and taxes of all materials and cost of all labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	13.31	Each cum	7658.09	101929.24
6	R.C.C. M20 using 20 mm & down size b.h.g.c.b chips including watering, curing with cost, conveyance, taxes and cost of all labour (T&P) etc. complete as per the direction of Engineer-in-Charge.				
A	Foundation footing	20.22	Each Cum	5949.51	120299.04
B	Plinth Beam	15.77	Each Cum	6309.53	99501.21
C	Column and Beams (GF)	27.02	Each Cum	11673.09	315406.89
	FIRST FLOOR.	1.16	Each Cum	12921.51	14988.95
D	Lintel(GROUND FLOOR)	7.91	Each Cum	9521.69	75316.56
	FIRST FLOOR.	0.25	Each Cum	10339.84	2584.96
E	Sunshade(GF)	16.45	Each Sqm	849.47	13970.85
	FIRST FLOOR.	1.38	Each Sqm	947.37	1307.92
F	Staircase,GF	2.50	Each Sqm	11202.09	28051.83
G	Roof slab,landing & Chajja	37.21	Each Cum	10093.21	375568.25
7	Cutting, Bending, binding and tying the grills and placing in position including cost, conveyance, taxes of all materials and cost of all labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	128.62	Each Qntl	9014.32	1159421.84

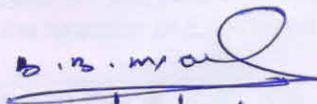
	16mm thick C.P. (1:4) as grading plaster including watering, curing, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	277.98	Each Sqm	245.97	68374.46
9	Fly Ash Brick masonry with CM (1:6) in foundation including watering, curing with cost, conveyance, royalty and taxes of all materials & labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	64.11	Each Cum	4647.52	297952.54
10	Fly Ash Brick masonry with CM (1:6) in superstructure including watering, curing with cost, conveyance, royalty and taxes of all materials & labour (T&P) etc. complete as per the direction of Engineer-in-Charge(.GF)	105.13	Each Cum	4680.85	492097.81
	Fly Ash Brick masonry with CM (1:6) in superstructure including watering, curing with cost, conveyance, royalty and taxes of all materials & labour (T&P) etc. complete as per the direction of Engineer-in-Charge(FF)	16.38	Each Cum	5382.98	88173.14
11	16mm thick C.P. (1:6) including watering, curing, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge(.GF)	652.31	Each Sqm	214.11	139664.14
	16mm thick C.P. (1:6) including watering, curing, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge(.FF)	112.84	Each Sqm	218.36	24640.60
12	12mm thick C.P. (1:6) including watering, curing, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge(GF)	275.92	Each Sqm	152.28	42017.51
	12mm thick C.P. (1:6) including watering, curing, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.FF	88.85	Each Sqm	157.05	13954.37
13	Supplying, fitting, fixing of Vetrified tile flooring on 20mm thick bed of C.M. (1:4) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	225.46	Each Sqm	997.86	224977.17
14	Supplying, fitting, fixing of Vetrified tile in dados on 12mm thick C.P. (1:3) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	2.76	Each Sqm	1410.88	3894.0288
15	Supplying, fitting, fixing of Ceramic Glazed Wall tile in walls on 12mm thick C.P. (1:3) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	492.36	Each Sqm	1100.84	542009.5824

16	Fixing tiles (Vitrified Industrial Tiles) in floors treads or steps and landing on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 sand) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubing and polishing with cost,coveyance of all materials etc. complete.(GF)	50.32	Each Sqm	1265.40	63673.71954
	Fixing tiles (Vitrified Industrial Tiles) in floors treads or steps and landing on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 sand) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubing and polishing with cost,coveyance of all materials etc. complete.(FF)	4.02	Each Sqm	1283.77	5161.84
17	Supplying, fitting, fixing of A.I.Vetrified tile in dados on 12mm thick C.P. (1:3) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge(.GF)	8.51	Each Sqm	1300.21	11064.14
	Supplying, fitting, fixing of A.I.Vetrified tile in dados on 12mm thick C.P. (1:3) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge FF	0.84	Each Sqm	1326.64	1110.40
18	Fixing Granite tiles (20mm thick) in floors treads or steps and landing on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 sand) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubing and polishing with cost,coveyance of all materials etc	5.12	Each Sqm	2568.66	13151.54
19	6mm thick C.P. (1:4) as ceiling plaster including watering, curing, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge	315.24	Each Sqm	163.18	51440.23
20(a)	Providing, supplying and fitting and fixing of M.S. Door / Window shutters, gates & M.S. grills as per approved design etc. complete.M.S.Grill	772.50	Each KG	92.93	71788.12
(b)	M.S.Door&Window	1505.47	Each KG	92.93	139903.56
21	Supplying, fitting, fixing up window (sliding type) made up aluminium section 9778 as window frame Section No. 4095, 4096 and 9777, 3994 as shutter frame pannel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes of labour, T&P etc. complete.	28.74	Each Sqm	3651.23	104936.43
22	Providing and fixing Al Door with OEL anodized Al door section of 9202 as vertical member and 9200 as bottom and middle member and 6 mm plain glass in top portion with 12 mm thick pre-laminated Board in bottom portion fixed on Door frame by means of tapered clip no 4660 and the frame to be completed by means of jointing angle no1855 including cost of all materials and labour etc complete	40.00	Each Sqm	7000.75	280029.93
23	Providing fitting, fixing of Al. Door with OEL anodized Al. door section 9202 as vertical member, 9201 as top member and 12mm thick pre-laminated board fixed on door frame by means of tapered clip No. 4660 and the frame to be completed by means of jointing angle No. 1885 including all cost of labour, T&P hire charges of drilling machine, labour charges etc.complete as per the	9.77	Each Sqm	5788.22	56550.95

	coat of priming including cost of all materials and labour etc.	411.82	Each Sqm	141.70	58354.48
25	Painting two coats over a coat of primer with any approved Enamel paints including cost, conveyance of all materials and labour (T&P) etc. complete as per the direction of Engineer-in-Charge	42.85	Each Sqm	179.98	7712.30
26	(based) including cost of all materials and labour etc. complete.	477.39	Each Sqm	72.94	34818.80
27	Finishing out side wall surface with Weather Coat (I.S.I) two coats with any approved shade over a coat of priming including cost of all materials and labour (T&P) etc.	541.00	Each Sqm	135.19	73136.44
28	Providing and laying 60 mm thick factory made cement concrete interlocking pavor block of M-30 grade made by block make machine with strong vibratory compaction of approved size, design and shape laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joint with fine sand etc. all complete as per the direction of engineer-in-charge.	149.44	Each Sqm	1015.22	151714.48
29	Providing MS Colour sheets (as per IS :14871) up to any pitch and fixing with polymer coated J or L hook and bitumen washer and bolt etc. complete with supply of all labour, taxes, T & P etc. (As SR-page no 127/36	22.32	Each Sqm	658.85	14705.61
30	Labour for fixing A.C Sheet ridges or valleys roof drilling hole in wind	24.61	Each rm	321.43	7910.35
31	Providing and fixing 100 mm dia PVC rain water pipe 1 mtr long with all cost of labour and materials etc.	18.90	Each rm	250.05	4725.95
	TOTAL CIVIL WORK				6087211.40
			say		6087311.00

Approved for 31 (thirty one) items only

Rupees sixty lakh eighty seven thousand three hundred eleven only


14/12/21
Assistant Engineer
NHM, Keonjhar


15.12.2021
Executive Engineer
DRDA Keonjhar

TO BE FILLED BY THE TENDERER

1) My/ Our quoted rate is (both in figure and words)

	in Figure	In words
Equal to Estimate Cost	%	
Excess in Percentage	%	
Less in Percentage	%	

Notes:-

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- 4) The percentage quoted at any other place will not be taken into consideration.

Executive Engineer
DRDA Keonjhar

Block Development Officer
Telkoi

Signature of the contractor