



Day-No-3918/SWED
22/07/2024

ଓଡିଶା ସରକାର
ପଞ୍ଚାୟତିରାଜ ଓ ସାମାଜିକ କଲ୍ୟାଣ ବିଭାଗ
Government of Odisha
Panchayati Raj & D.W Department

ଓଡିଶା ଲୋକ ସେବା ଭବନ
ନବିନିଆର ମାର୍ଗ, ଭୁବନେଶ୍ୱର-୭୫୧୦୦୧
Odisha Lok Seva Bhawan,
Sachibalaya Marg,
Bhubaneswar - 751001
Fax: 0674 - 2391413
E-mail: prsec.oi@nic.in

No. PR-NREG-CONVERG-0006-2019

15688

Date: 19/07/2024

THE REVISED COMPREHENSIVE GUIDELINES ON THE CONSTRUCTION OF
AWC IN CONVERGENCE OF MGNREGS WITH SFC (GP DEVOLUTION FUND)
AND W & CD DEPARTMENT FUND.

1. OBJECTIVE:

The construction of Anganwadi Centre is a meaningful thrust for creating a durable community asset for the implementation of ICDS package services for the purpose of assimilating, children from 3-6 years in preschool education to create an enabling environment for the physical, psychological, intellectual, and moral development and above all to facilitate their transition from pre-school education to formal school education.

CONVERGENCE OF AWC BUILDING:

The construction of the AWC Building will be taken up with an estimated cost of Rs. 12.00 lakh (twelve lakh only) in convergence of MGNREGS funds with SFC (GP devolution fund) and W & CD Department funds.

Source of fund	MGNREGS	SFC (GP devolution fund)	W&CD	Total
	Rs.8.00 lakh	Rs. 2.00 lakh	Rs. 2.00 lakh	Rs.12.00 lakh

3. EXECUTION OF PROJECT (COMPONENT):

BUILDING

A Model Plan and Estimate have been prepared with the provision of a separate sitting room for children/ women (classroom), a separate MAMATA room, kitchen, store room, ramp for barrier-free movement, electrical wiring, etc. Separate toilets both for males and females and Sanitary & PH fittings are to be constructed in the building out of MGNREGS.

ICDS-9

- The plan & estimate of the AWC Building is enclosed in **Annexure- I**. The Model Plan & Estimate issued vide this Department Letter No. 41, dated 02.01.2019 and Letter No. 1615, dated 22.01.2019 is superseded with this plan & estimate.

Building components	Size	Area
Classroom	20 feet X 12 feet	240 s .ft
MAMATA room	8 feet X 6.66 feet	53.28 s .ft
Store	6 feet X 4.5 feet	27 s .ft
Kitchen	7 feet X 6 feet	42 s .ft
Verandah	7.66 feet X 6 feet	45.96 s .ft
Ramp	8 feet X 4 feet	32 s .ft
Toilet (Male)	6.25 feet X 5.0 feet	31.25 s .ft
Toilet (Female)	6.25 feet X 5.0 feet	31.25 s .ft
Overall built-up area	28.75 feet X 20.5 feet + Ramp 8.0 feet X 4.0 feet	621.38 S .ft

- Coloring & Painting:** Standard painting across walls (outside & inside), inner top of the roof with cartoon characters, educative pictorial diagrams, etc. shall be painted.

4. Other items of work to be taken up under MGNREGS.

- Child-friendly green fencing:** The child-friendly green fencing around the AWC building wherever necessary will be taken up out of MGNREGS. Poisonous plants having sharp thorns (Saptapheni type) and plants causing irritation and itching shall not be used for green fencing.
- Fruit-bearing Tree Plantation:** Plantations of Papaya, Coconut, Mango, Drumstick, Banana, Guava, Curry leaf and Lemon will be made in the surplus

land around the AWC building out of MGNREGS.

- **Approach Road:** The approach Road up to the AWC main building may be constructed with paver blocks/ Cement Concrete out of MGNREGS.
- **Recharge/ Soak Pit:** The Recharge / Soak pit may also be constructed out of MGNREGS funds for recharging the groundwater from the wastewater of the kitchen of the AWC.
- The expenditure of the above-mentioned works will be over and above the MGNREGS amount of Rs 8.00 lakhs.
- Separate case records shall be opened for the above-mentioned works under MGNREGS as separate projects.

5. **Electric Connection to the AWC building:**

- The internal electrification & electrical installation including the cost of service connection, wire etc are already included in the estimate and are to be met out of the fund allotted towards the construction of AWC buildings.
- Payment of monthly electricity bill shall be budgeted by the W & CD Department.
- In case an energy source is not available, the concerned CDPO shall explore other options like Solar Light promoted by OREDA and the cost may be borne out of provision from the W & CD Department.
- In case the AWC building is situated at a distance place from the electric connection area, the Collector of the Districts is to provide electric supply up to the AWC building out of Rural Electrification or any other schemes continuing in the District.

6. **Child-friendly elements:** Provisions like Slides, Swings, Sea-Saw etc. for the amusement of children may be constructed/installed by the Panchayat Samiti in the AWC out of the W & CD Department fund.

7. **PRIORITY IN SELECTION OF AWCs FOR CONSTRUCTION OF AWC BUILDING:**

Location:

- Inside the Primary/Upper-Primary School Campus in the service area of the AWC.
- If the land is not available inside the Primary/Upper-Primary School campus, it can be taken up in unobjectionable Government land in the service area.
- BDO will file an alienation proposal before the Tahsildar for the selection of

the site.

- The site for the AWC will be selected as per the provisions of the OGLS Act / Rules and extant guidelines of the W & CD Department.

8. SELECTION OF PROJECT:

The construction of AWC building, green fencing, plantation, approach road, recharge/ soak pit etc. to be taken up under MGNREGS should be included in the shelf of projects as well as in the Labour Budget duly approved in the Gram Sabha.

9. IMPLEMENTING AGENCY :

The Panchayat Samiti will be the implementing agency for the construction of the AWC building and other components of the building under MGNREGA in convergence with SFC (GP devolution fund) and the W & CD Department fund. **The SFC (GP devolution fund) fund amounting to Rs. 2.0 lakhs shall be transferred by the concerned Gram panchayat to the Panchayat samiti/ Block before the start of the work to avoid any delay in project implementation.**

10. WAGE MATERIAL RATIO:

The wage material ratio of 60:40 shall be maintained at the District level for MGNREGS expenditure as a whole for a given financial year. Therefore, adequate no. of wage component-oriented works has to be taken up to adjust the material component of AWC.

11. OPENING OF CASE RECORD :

For proper convergence of funds, separate case records will be opened at the Panchayat Samiti level.

- 1st case record for MGNREGS in which the total estimate (Rs. 12 lakh) of the AWC building and the part estimate of the building containing the portion of MGNREGS fund (Rs. 8 lakh) will be kept.
- 2nd case record will be opened for SFC (GP devolution fund) funds in which the total estimate (Rs. 12 lakh) of the AWC building and the part estimate of the building (Rs. 2 lakh) containing the portion of SFC (GP devolution fund) fund will be kept.
- 3rd case record will be opened for the W&CD Department fund in which the total estimate (Rs. 12 lacks) of the AWC building and the part estimate of the building (Rs. 2 lakh) containing the portion of W&CD Department fund will be kept

12. TECHNICAL SANCTION AND FINANCIAL SANCTION:

- The Technical Sanction in the hard copy of the estimate will be accorded by the competent Technical Authority.
- The online Financial Sanction (FS) for the building and allied components under the MGNREGS portion will be accorded by Collector-cum-DPC, MGNREGS.
- The expenditure booked under the W & CD Department fund and SFC (GP devolution fund) fund component will not be entered in NREGA Soft.

13. COMPLETION OF THE AWC BUILDING:

- For completion of the incomplete AWC buildings taken up through convergence, the balance amount required beyond Rs.5.00 lakhs as per the approved plan may be borne out of MGNREGS (Maximum up to 8.0 lakhs).
- All AWC buildings shall be completed maximum within a period of one year from the date of issue of the work order.

14. NON-EXECUTION OF PROJECTS:

The project which has not been started yet shall be taken up as a new project with a unit cost of Rs12.0 lakh as per the new Plan & Estimate.

15. MONITORING AND SUPERVISION:

- The BDOs and CDPOs shall jointly review the progress of the construction of AWC each fortnight at the Block level. The review of the progress of the construction of AWC shall also be done at the District level by the Collector on a monthly basis.
- The Sub Collector and Chairman ICDS in the course of visit will make supervision of construction of AWC buildings in the respective Sub-Divisional jurisdiction.
- All State Nodal Officers in the course of their visit to the Nodal Districts should supervise the progress of construction of AWC buildings taken up in the Districts
- The Collector, CDO-cum-EO of Zilla Parishad and DSWO in the course of their visit to the Blocks will supervise of progress of the construction of AWC buildings.

16. MAINTENANCE OF ASSET REGISTER:

An Asset Register should be maintained at the GP/ Block level by the Implementing Agencies for the recording of the asset grounded. All such AWCs and allied activities under MGNREGS should also be geo-tagged as per MGNREGA guidelines issued from time to time.

17. HANDING OVER OF THE BUILDING TO CDPO:

The BDO will hand over the completed AWC building to the concerned CDPO within 7 days from the completion of the AWC building in all respects.

18. OPERATIONALIZATION OF THE CENTRE:

It shall be the responsibility of the CDPO to operationalize the AWC within 7 days of taking over the building from BDO.

For any clarification of the above provisions, necessary clarifications have to be obtained from the Government of Odisha in Panchayati Raj & Drinking Water Department and W & CD Department.

These guidelines supersede all previous instructions issued for the construction of AWC in convergence with other funds and are given effect immediately.

Sh.
19/3/24

Principal Secretary to Government

Copy Communicated to.

- ✓ 1. OSD to Principal Secretary, PR & DW Department for kind information of Principal Secretary, PR & DW Department.
2. PS to Commissioner-cum-Secretary, W & CD Department for kind information of Commissioner-cum-Secretary, W & CD Department
- ✓ 3. Director, Special Projects, PR & DW Department.
- ✓ 4. Director, Drinking Water, PR & DW Department.
- ✓ 5. Director, Social Welfare, W & CD Department.
- ✓ 6. Director, Panchayati Raj, PR & DW Department.
7. All State Nodal Officers of PR & DW Department.
- ✓ 8. Superintending Engineer, PR & DW Department.
- ✓ 9. All Collectors/ All CDO-cum-EO, Zilla Parishad/ All Sub-Collectors
- ✓ 10. All District Panchayat Officers/ All District Social Welfare Officers
- ✓ 11. All BDOs/ All CDPOs.

REPORT :

Name of the work : **DETAILED REVISE ESTIMATE FOR CONSTRUCTION OF ANGANWADI CENTRE (MAIN BUILDING INCLUDING TOILET)**

Estimated Cost : Rs. **12,00,000.00 (Rupees twelve lakh) only.**

The model estimate for construction of Anganwadi Centre-II has been prepared considering the lead of sand from 15 kms, granite product from 30 kms, flyash bricks from 25 kms, cement & rod from 5 kms distance

The model estimate for construction of Anganwadi Centre consists of one Class room having dimension of 20'0"x12'0", one Kitchen of 7'0"x6'0", one Store of 4'6"x6'0", one Verandah of 7'8"x6'0", one Mamata Room of 6'8"x8'0", one mail Toilet of 6'3"x5'0" and one female Toilet of 6'3"x5'0".

This is a framed structure building and the following provisions are made in the estimate

1. Foundation excavation in hard soil including levelling and dressing the bed, etc.
2. Sand Filling in Plinth, etc.
3. P.C.C. (1:3:6) in foundation and flooring base, etc.
4. Fly Ash Brick masonry in C.M. (1:6) in Foundation & Plinth, etc.
5. Fly Ash Brick masonry in C.M. (1:6) in Superstructure, etc.
6. Fly Ash Brick masonry in C.M. (1:4) in Superstructure, etc.
7. R.C.C. M-20 in Column, Beam, Lintel, Chaja & Roof Slab, etc.
8. Supplying, fitting and placing uncoated HYSD bar reinforcement, etc.
9. 25 mm thick grading concrete in C.C. (1:2:2) on roof slab, etc.
10. 6mm thick Cement plaster with (1:4) cement mortar in ceiling area, etc.
11. 16mm thick Cement plaster with (1:6) cement mortar in inside area, etc.
12. 12mm thick Cement plaster with (1:6) cement mortar in outside area, etc.
13. Providing and fixing MS Grill in window & door including cost, conveyance and all labour charges, etc.
14. Supplying, fitting & fixing Vitrified tiles in floors of size 600mm x600 mm on 20 mm thick cement mortar (1:4) and filling joints with white cement, etc.
15. Supplying, fitting & fixing Vitrified tiles in dados of size 600mm x600 mm on 12 mm thick cement mortar (1:3), etc.
16. Fixing tiles in floors on 25 mm thick CM (1:1) jointed with neat cement slurry, etc.
17. Fixing colour Glazed tiles in wall on 12 mm thick cement plaster (1:3) jointed, etc.
18. Supplying, fitting & fixing Granite tiles in Kitchen Platform on 25 mm thick CM (1:1), etc.
19. Water bound cement priming one coat with cost of all labour & materials, etc.
20. Two coats of distemper of approved shade including cost of paint to inside walls, etc.
21. Two coats of weather coat paint of approved shade including cost of paint to outside walls, etc.
22. Two coats of synthetic enamel paint over a coat of primer in doors & windows, etc.

The estimate consists of Civil work usual Labour Cess @ 1 % and provision for Investigation, Quality control & Structural design @ 1.5 % have been included in the estimate. No royalty has been added in this estimate because of MGNREGS work vide Itr.No.23911, Dt.15.10.11 of Dt 15.10.11 of PR Deptt.

The estimate has been provided basing on C.S.R.-2022, Vide Letter No.6785, Dt.20.04.2023 of Works Deptt. with of upto date rate of Cement, Steel and new unskilled labour rate 2024 of MRNREGS & other labour rate from 15.03.2024 vide letter No. LESI-LLI-III-0081-2017-2348 /LESI, dtd.14.03.2024 have been taken in to consideration.

The detailed standard specification will be followed during execution of work.


01.07.24
Assistant Engineer
PR & DW Deptt.


Superintending Engineer
Panchayati Raj & Drinking Water Deptt.

DETAILED MODEL REVISE ESTIMATE FOR CONSTRUCTION OF ANGANWADI CENTRE

(Main Building including Toilet)

(Estimated Cost = Rs.12,00,000/-)

I.No.	Items	No.	L	B	H	Quantity	Amount in Rs.
1.	Foundation excavation in hard soil including levelling and dressing the bed and sides depositing earth within initial lead and lift etc. complete						
	Column	11 x	4' - 00" x	4' - 00" x	4' - 00" =	704.00 cft	
	Walls	1 x	147' - 06" x	2' - 06" x	2' - 06" =	921.88 cft	
	Steps	1 x	9' - 00" x	1' - 03" x	1' - 00" =	11.25 cft	
		3 x	3' - 00" x	1' - 03" x	1' - 00" =	11.25 cft.	
		1 x	4' - 06" x	1' - 05" x	1' - 00" =	6.38 cft	
	Deduction for Column	-11 x	1' - 06" x	1' - 08" x	2' - 06" =	-68.76 cft.	
					Total =	1586.00 cft.	
					or say 44.88 cum.@	217.43 /cum. = Rs.	9,759.00
2.	Filling foundation and plinth with sand well watered and rammed including cost, conveyance and royalty of sand etc. complete.						
	Column	11 x	4' - 00" x	4' - 00" x	0' - 06" =	88.00 cft.	
	Walls	1 x	147' - 06" x	2' - 06" x	0' - 06" =	184.38 cft.	
	Plinth(Class Room) -	1 x	20' - 00" x	12' - 00" x	2' - 00" =	480.00 cft.	
	Plinth(Kitchen Room) -	1 x	7' - 00" x	6' - 00" x	2' - 00" =	84.00 cft	
	Plinth(Verandah) -	1 x	7' - 08" x	6' - 00" x	2' - 00" =	92.00 cft.	
	Plinth(Store Room) -	1 x	4' - 06" x	6' - 00" x	2' - 00" =	54.00 cft.	
	Plinth(Toilet-F) -	1 x	6' - 03" x	5' - 00" x	2' - 00" =	62.50 cft.	
	Plinth(Toilet-M) -	1 x	6' - 03" x	5' - 00" x	2' - 00" =	62.50 cft.	
	Plinth(Mamata Room) -	1 x	6' - 08" x	8' - 00" x	2' - 00" =	106.67 cft	
	Plinth(Steps) -	1 x	2' - 04" x	2' - 04" x	1' - 06" =	8.16 cft.	
		1 x	2' - 04" x	2' - 04" x	0' - 09" =	4.08 cft.	
	Steps	1 x	9' - 00" x	1' - 03" x	0' - 06" =	5.63 cft.	
		3 x	3' - 00" x	1' - 03" x	0' - 06" =	5.63 cft.	
		1 x	4' - 06" x	1' - 05" x	0' - 06" =	3.19 cft.	
	Deduction for Column	-11 x	1' - 06" x	1' - 08" x	0' - 06" =	-13.75 cft.	
					Total =	1226.99 cft.	
					or say 34.72 cum.@	498.79 /cum. = Rs.	17,320.00
3.	Cement concrete 1:3:6 using 4cm. size HBG (hand broken metal) including cost, conveyance and royalty of materials curing etc. complete.						
	Column	11 x	4' - 00" x	4' - 00" x	0' - 06" =	88.00 cft.	
	Walls	1 x	147' - 06" x	2' - 06" x	0' - 06" =	184.38 cft.	
	Plinth(Class Room) -	1 x	20' - 00" x	12' - 00" x	0' - 04" =	79.92 cft.	
	Plinth(Kitchen Room) -	1 x	7' - 00" x	6' - 00" x	0' - 04" =	13.99 cft.	
	Plinth(Verandah) -	1 x	7' - 08" x	6' - 00" x	0' - 04" =	15.32 cft.	
	Plinth(Store Room) -	1 x	4' - 06" x	6' - 00" x	0' - 04" =	8.99 cft.	
	Plinth(Toilet-F) -	1 x	6' - 03" x	5' - 00" x	0' - 04" =	10.41 cft.	
	Plinth(Toilet-M) -	1 x	6' - 03" x	5' - 00" x	0' - 04" =	10.41 cft.	
	Plinth(Mamata Room) -	1 x	6' - 08" x	8' - 00" x	0' - 04" =	17.76 cft.	
	Plinth(Steps) -	1 x	2' - 04" x	2' - 04" x	0' - 04" =	1.81 cft.	
		1 x	2' - 04" x	2' - 04" x	0' - 04" =	1.81 cft.	
	Steps	1 x	9' - 00" x	1' - 03" x	0' - 04" =	3.75 cft.	
		3 x	3' - 00" x	1' - 03" x	0' - 04" =	3.75 cft.	
		1 x	4' - 06" x	1' - 05" x	0' - 04" =	2.12 cft.	
	Deduction for Column	-11 x	1' - 06" x	1' - 08" x	0' - 06" =	-13.75 cft.	

Sl.No.	Items	No.	L	B	H	Quantity	Amount in Rs.
3.						Total = 428.67 cft	
						or say 12.13 cum.@	4635.61 /cum. = Rs. 56,235.00
4.	First Class Flyash Brick masonry in C.M. (1:6) in foundation & plinth including cost, conveyance and royalty of materials curing etc. complete						
	1st Footing	1 x	147' - 06" x	1' - 08" x	0' - 07" =	143.35 cft	
	2nd Footing	1 x	147' - 06" x	1' - 03" x	0' - 07" =	107.49 cft	
	Plinth	1 x	147' - 06" x	0' - 10" x	1' - 00" =	122.87 cft	
	Steps	1 x	8' - 00" x	0' - 10" x	1' - 08" =	11.11 cft	
		2 x	3' - 02" x	0' - 10" x	1' - 08" =	8.80 cft	
		1 x	3' - 02" x	0' - 10" x	0' - 10" =	2.20 cft	
		1 x	4' - 00" x	2' - 00" x	0' - 08" =	5.34 cft	
		1 x	4' - 00" x	1' - 00" x	0' - 06" =	2.00 cft	
						Total = 403.16 cft	
						or say 11.41 cum.@	4535.27 /cum. = Rs. 51,743.00
5.	R.C.C. work M-20 grade using 20mm. and down grade HBG (crusher broken chips) including hoisting, laying, cost, conveyance and royalty of materials curing etc. complete.						
	a) Column Base -	11 x	4' - 00" x	4' - 00" x	1' - 00" =	176.00 cft.	
		11 x	2' - 00" x	2' - 00" x	0' - 08" =	29.35 cft.	
						Total = 205.35 cft.	
						or say 5.811 cum.@	5813.05 /cum. = Rs. 33,780.00
	b) Plinth Beam -	1 x	147' - 06" x	0' - 10" x	0' - 10" =	102.35 cft	
						Total = 102.35 cft	
						or say 2.897 cum.@	6560.02 /cum. = Rs. 19,004.00
	c) Column / Beam-	11 x	0' - 10" x	1' - 00" x	13' - 04" =	122.17 cft.	
		1 x	147' - 06" x	0' - 10" x	0' - 10" =	102.35 cft.	
						Total = 224.52 cft.	
						or say 6.354 cum.@	13718.28 /cum. = Rs. 87,166.00
	d) Lintel Bend	1 x	117' - 00" x	0' - 10" x	0' - 06" =	48.73 cft	
		1 x	30' - 06" x	0' - 05" x	0' - 06" =	6.36 cft.	
						Total = 55.09 cft.	
						or say 1.559 cum.@	12381.62 /cum. = Rs. 19,303.00
	e) Roof Slab -	1 x	29' - 09" x	21' - 06" x	0' - 05" =	266.72 cft.	
	Kitchen Slab	1 x	7' - 10" x	2' - 00" x	0' - 2.5" =	3.26 cft	
	Chajja -W-1	3 x	5' - 06" x	2' - 00" x	0' - 2.5" =	6.86 cft	
	Chajja -W-2	2 x	4' - 00" x	2' - 00" x	0' - 2.5" =	3.33 cft.	
	Chajja -D-3	1 x	4' - 06" x	2' - 00" x	0' - 2.5" =	1.87 cft.	
	Chajja -Ver.	1 x	8' - 08" x	2' - 00" x	0' - 2.5" =	3.61 cft	
	V-1	3 x	3' - 00" x	1' - 06" x	0' - 2.5" =	2.81 cft.	
						Total = 288.46 cft.	
						or say 8.163 cum.@	11950.32 /cum. = Rs. 97,550.00
6.	Supplying, fitting and placing uncoated HYSD bar reinforcement as per drawing and technical specification including cost, conveyance and all taxes of steel and binding wire etc. complete.						
	Quantity of Item No.5	24.784			@ 1.20 Qntl/Cum	= 297408 qntl	
					or say 29.741 Qntl	8633.89 /cum. = Rs. 2,56,779.00	
7.	First Class Flyash Brick masonry in C.M. (1:6) in superstructure including cost, conveyance and royalty of materials curing etc. complete.						
	Walls	1	117' - 00" x	0' - 10" x	8' - 09" =	852.78 cft.	
	D-1	1 x	3' - 06" x	0' - 10" x	7' - 00" =	-20.41 cft	

I.No.	Items	No.	L	B	H	Quantity	Amount in Rs.
7.	GD	1 x	4' - 00" x	0' - 10" x	7' - 00" =	-23.32 cft	
	D-3	2 x	2' - 09" x	0' - 10" x	7' - 00" =	-32.07 cft	
	W-1	3 x	3' - 06" x	0' - 10" x	4' - 06" =	-39.36 cft	
	W-2	3 x	3' - 06" x	0' - 10" x	3' - 09" =	-32.80 cft	
	GW	1 x	3' - 08" x	0' - 10" x	4' - 06" =	-13.75 cft	
	V-1	3 x	2' - 00" x	0' - 10" x	2' - 00" =	-10.00 cft	
Total =						681.07 cft	

or say 19.274 cum.@ 4568.27 /cum. = Rs. 88,049.00

8. First Class Flyash Brick masonry in C.M (1:4) in superstructure including cost, conveyance and royalty of materials curing etc. complete.

Walls of 5"	1 x	30' - 06" x	0' - 05" x	8' - 09" =	111.29 cft
Kitchen slab wall	3 x	2' - 00" x	0' - 05" x	2' - 06" =	6.26 cft.
D-2	2 x	3' - 00" x	0' - 05" x	7' - 00" =	-17.51 cft.
D-3	1 x	2' - 09" x	0' - 05" x	7' - 00" =	-8.03 cft.
Total =					92.01 cft.

or say 2.604 cum.@ 4820.30 /cum. = Rs. 12,552.00

9. 25 mm thick grading concrete in C.C. (1:2:2) on roof slab with 4.7 mm size H.G. chips including cost conveyance and royalty of materials curing etc. complete.

Slab	1 x	29' - 09" x	21' - 06" =	639.63 sft.
Total =				639.63 sft.

or say 59.422 sqm.@ 278.32 /sqm. = Rs. 16,538.00

10. 6mm. thick cement plaster in c.m. (1:4) over R.C.C. with close deep chipping including cost conveyance and royalty of materials curing etc. complete.

Class Room	1 x	20' - 00" x	12' - 00" =	240.00 sft.
Kitchen Room	1 x	7' - 00" x	6' - 00" =	42.00 sft.
Verandah	1 x	7' - 08" x	6' - 00" =	46.00 sft.
Store Room	1 x	4' - 06" x	6' - 00" =	27.00 sft.
Toilet-F	1 x	6' - 03" x	5' - 00" =	31.25 sft.
Toilet-M	1 x	6' - 03" x	5' - 00" =	31.25 sft.
Mamata Room	1 x	6' - 08" x	8' - 00" =	53.34 sft.
Kitchen Slab	1 x	7' - 00" x	2' - 00" x	14.00 sft.
Chajja -W-1	3 x	4' - 06" x	2' - 00" x	27.00 sft.
Chajja -W-2	2 x	4' - 06" x	2' - 00" x	18.00 sft.
Chajja -Ver.	1 x	8' - 08" x	2' - 00" x	17.33 sft.
V-1	3 x	3' - 00" x	1' - 06" x	13.50 sft.
Beam side	2 x	12' - 00" x	0' - 10" x	19.99 sft.
Total =				580.66 sft.

or say 53.943 sqm.@ 130.70 /sqm. = Rs. 7,050.00

11. 16 mm. thick cement plaster in c.m. (1:6) over Brick masonry including cost conveyance and royalty of materials curing etc. complete.

Class Room	2 x	(20' - 00" + 12' - 00") x	10' - 01" =	645.31 sft.
Kitchen Room	2 x	(7' - 00" + 6' - 00") x	10' - 01" =	262.16 sft.
Verandah	2 x	(7' - 08" + 6' - 00") x	10' - 01" =	275.61 sft.
Store Room	2 x	(4' - 06" + 6' - 00") x	10' - 01" =	211.74 sft.
Toilet-F	2 x	(6' - 03" + 5' - 00") x	10' - 01" =	226.87 sft.
Toilet-M	2 x	(6' - 03" + 5' - 00") x	10' - 01" =	226.87 sft.
Mamata Room	2 x	(6' - 08" + 8' - 00") x	10' - 01" =	295.77 sft.
D-1	1 x	3' - 06" x	7' - 00" =	-24.50 sft.
GD	1 x	4' - 00" x	7' - 00" =	-28.00 sft.

Sl.No.	Items	No.	L	B	H	Quantity	Amount in Rs.
11.	2	2 x	3' - 00" x		7' - 00" =	-42.00 sft	
	D-3	3 x	2' - 09" x		7' - 00" =	-57.75 sft	
	W-1	3 x	3' - 06" x		4' - 06" =	-47.25 sft	
	W-2	3 x	3' - 06" x		3' - 09" =	-39.38 sft	
	GW	1 x	3' - 08" x		4' - 06" =	-16.50 sft	
	V-1	3 x	2' - 00" x		2' - 00" =	-12.00 sft	
						Total =	1876.95 sft.

or say 174.369 sqm.@ 192.01 /sqm. = Rs. 33,481.00

12. 12 mm. thick cement plaster in c.m (1:6) over Brick masonry including cost conveyance and royalty of materials curing etc. complete
Out Side

2 x	(28' - 09" + 20' - 06") x	12' - 00" =	1182.00 sft.
			Total = 1182.00 sft.

or say 109.808 sqm.@ 143.16 /sqm. = Rs. 15,720.00

13. Providing and fixing MS Grill in window & door including cost, conveyance, taxes and all labour charges etc. complete

D-1	1 x	3' - 06" x	7' - 00" =	24.50 sft.
GD	1 x	4' - 00" x	7' - 00" =	28.00 sft.
D-2	2 x	3' - 00" x	7' - 00" =	42.00 sft.
D-3	3 x	2' - 09" x	7' - 00" =	57.75 sft.
W-1	3 x	3' - 06" x	4' - 06" =	47.25 sft.
W-2	3 x	3' - 06" x	3' - 09" =	39.38 sft.
GW	1 x	3' - 08" x	4' - 06" =	16.50 sft.
V-1	3 x	2' - 00" x	2' - 00" =	12.00 sft.
				Total = 267.38 sft.

@3.50 kg./sft. = 935.83 kg.@ 86.79 /rm. = Rs. 81,224.00

14. Supplying,fitting & fixing Vitrified tiles Coloured /Printed series in floors of size 600mm x600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials,taxes, labour, T&P ,etc complete as per direction of Engineer-in-charge.

Class Room	1 x	20' - 00" x 12' - 00" =	240.00 sft.
Kitchen Room	1 x	7' - 00" x 6' - 00" =	42.00 sft.
Verandah	1 x	7' - 08" x 6' - 00" =	46.00 sft.
Store Room	1 x	4' - 06" x 6' - 00" =	27.00 sft.
Mamata Room	1 x	6' - 08" x 8' - 00" =	53.34 sft.
			Total = 408.34 sft.

or say 37.935 sqm.@ 940.55 /sqm. = Rs. 35,680.00

15. Fixing colour Vitrified tiles in dados of size 600mm x600 mm of approved make conforming IS:13755 laid on 12 mm thickcement mortar(1:3)and filling joints with white cement of approved quality including cost of all materials, labour T&P etc required for the work all completeas per direction of Engineer-in-charge.

Class Room	2 x	(20' - 00" + 12' - 00") x	0' - 06" =	32.00 sft.
Kitchen Room	2 x	(7' - 00" + 6' - 00") x	0' - 06" =	13.00 sft.
Verandah	2 x	(7' - 08" + 6' - 00") x	0' - 06" =	13.67 sft.
Store Room	2 x	(4' - 06" + 6' - 00") x	0' - 06" =	10.50 sft.
Mamata Room	2 x	(6' - 08" + 8' - 00") x	0' - 06" =	14.67 sft.
				Total = 83.84 sft.

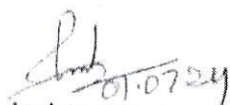
or say 7.789 sqm.@ 1488.18 /sqm. = Rs. 11,591.00

I.No.	Items	No.	L	B	H	Quantity	Amount in Rs.
16.	Fixing tiles in floors, treads or steps and landings on 25 mm thick CM (1:1) jointed with neat cement slurry mixed with pigments to match the shades including cost for rubbing, polishing & cost of floor tiles						
	Toilet-F	1 x	6' - 03" x	5' - 00" =		31.25 sft	
	Toilet-M	1 x	6' - 03" x	5' - 00" =		31.25 sft	
	Kitchen Slab	1 x	7' - 00" x	2' - 00" =		14.00 sft.	
						<u>76.50 sft</u>	
						or say 7.107 sqm.@	1153.39 /sqm. = Rs. 8,197.00
17.	Fixing colour Glazed tiles in wall on 12 mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including polishing complete as per direction of Engineer-in-charge.						
	Kitchen Room	1 x	(7' - 00" + 6' - 00") x	2' - 06" =		32.50 sft	
	Toilet-F	2 x	(6' - 03" + 5' - 00") x	4' - 00" =		90.00 sft	
	Toilet-M	2 x	(6' - 03" + 5' - 00") x	4' - 00" =		90.00 sft	
						<u>122.50</u>	
						or say 11.380 sqm.@	869.55 /sqm. = Rs. 9,895.00
18.	Fixing Granite tiles in Kitchen Platform on 25 mm thick CM (1:1) jointed with neat cement slurry mixed with pigments to match the shades including cost for rubbing, polishing & cost of Granite tiles						
	Kitchen Platform	1 x	7' - 00" x	2' - 00" =		14.00 sft	
						Total = 14.00 sft.	
						or say 1.301 sqm.@	2136.57 /sqm. = Rs. 2,780.00
19.	Water bound cement priming one coat with cost of all labour & materials, etc. For Quantity same as Item No.						
						10+11+12-15-17 = 3433.27 sft.	
						Total = 3433.27 sft.	
						or say 318.951 sqm.@	59.46 /sqm. = Rs. 18,965.00
20.	Finishing inside walls with two coats of distemper of approved shade on new work to give an even shade including cost of paint etc. complete. For Quantity same as Item No. 10+11-15-17						
						Total = 2251.27 sft.	
						or say 209.143 sqm.@	65.55 /sqm. = Rs. 13,710.00
21.	Finishing outside walls with two coats of weather coat paint of approved shade on new work to give an even shade including cost of paint etc. complete. For Quantity same as Item No. 12						
						Total = 1182.00 sft.	
						or say 109.808 sqm.@	73.71 /sqm. = Rs. 8,093.00
22.	Painting two coats with synthetic enamel paint over a coat of primer of approved quality including cost, conveyance, taxes of all materials, labour, T & P scaffolding, etc.						
	D-1	2 x	3' - 06" x	7' - 00" =		49.00 sft.	
	GD	2 x	4' - 00" x	7' - 00" =		56.00 sft.	
	D-2	4 x	3' - 00" x	7' - 00" =		84.00 sft.	
	D-3	6 x	2' - 09" x	7' - 00" =		115.50 sft.	
	W-1	6 x	3' - 06" x	4' - 06" =		94.50 sft.	
	W-2	6 x	3' - 06" x	3' - 09" =		78.75 sft.	
	GW	2 x	3' - 08" x	4' - 06" =		33.00 sft.	
	V-1	6 x	2' - 00" x	2' - 00" =		24.00 sft.	
						<u>534.75 sft.</u>	
						or say 49.678 sqm.@	191.65 /sqm. = Rs. 9,521.00
23.	Cost for Water Supply work for Kitchen, Soakpit for Kitchen waste water, Roof top rain water recharge pit with all cost and other unforeseen items to be paid as per actual, etc.					LS = Rs.	35,000.00

Sl.No.	Items	No.	L	B	H	Quantity	Amount in Rs.
						Sub Total = Rs.	10,56,685.00
24.	Provision for electrical installation,etc. @ 10 % -					Rs.	1,05,669.00
25.	Provision for Investigation,Quality control & Structural design @ 1.5 % -					Rs.	15,850.00
26.	Provision for Creation of Prototypes & Painting,Transperancy Board and other unforeseen items to be paid as per actual,etc.-					LS = Rs.	21,796.00
	Wage : Material =	8	:	92		Total = Rs.	12,00,000.00
						(Rupees Twelve Lakh) only.	

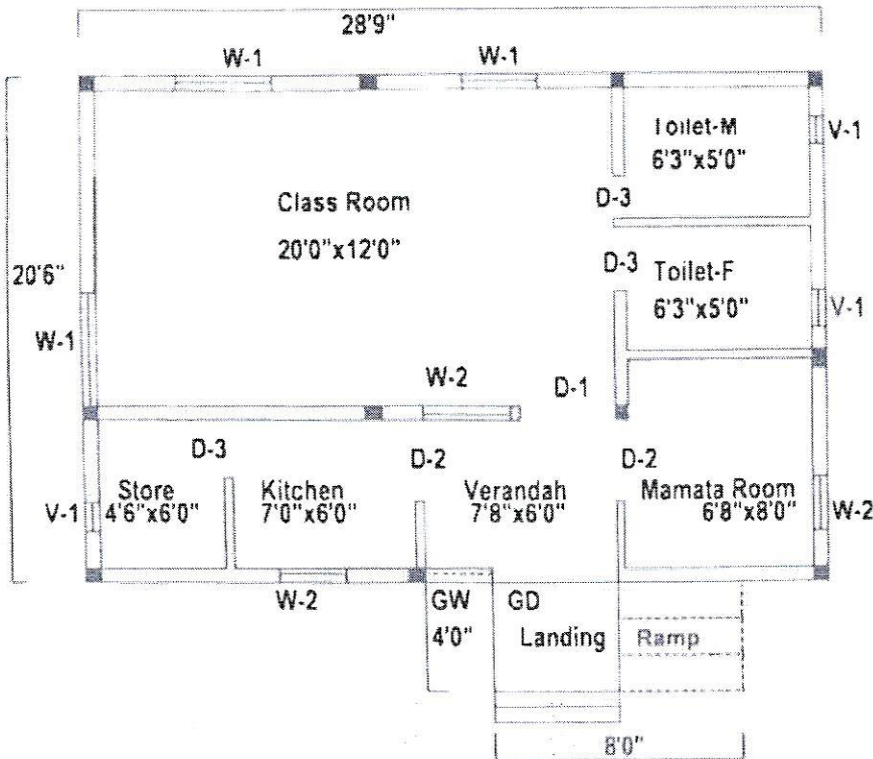
N.B.:-

- i)- This is a model estimate.The estimate may be varied according to site condition & as per the requirement.
- ii)- Suitable locally available materials may be substituted if the materials adopted in the model estimate are not available.
- iii)- Rates adopted are tentative.Hence,during execution actual cost may be calculated basing on SoR.


 01.07.24
 Assistant Engineer
 PR & DW Deptt.


 Superintending Engineer
 Panchayati Raj & Drinking Water Deptt.

REVISED MODEL PLAN OF AWC BUILDING (INCLUDING TOILETS)



GROUND FLOOR PLAN

Builtup area = 621.38 Sft.

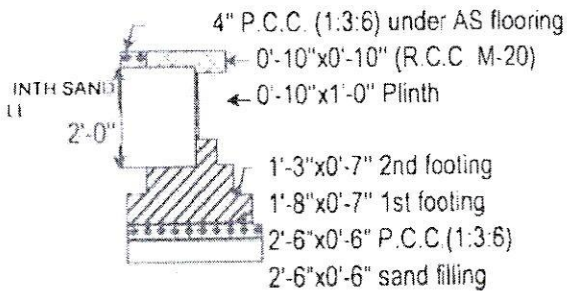
(Main Building-28'9" x 20'6" = 589.38 Sft.-

Landing & Ramp-8'0" x 4'0" = 32.00 Sft.)

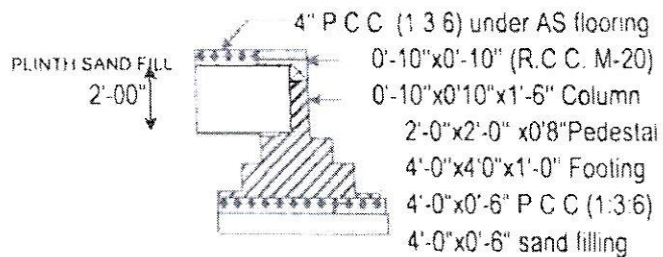
(Not to Scale)

Door & Window Specifications

	Width	Height
D1 = 1 No.	3'6"	7'0"
GD = 1 No.	4'0"	7'0"
D2 = 2 Nos.	3'0"	7'0"
D3 = 3 Nos.	2'6"	7'0"
W-1 = 3 Nos	4'6"	4'6"
W-2 = 3 Nos	3'0"	4'6"
GW = 1 No.	3'8"	4'6"
V-1 = 3 Nos.	2'0"	2'0"



FOUNDATION SECTION OF WALL



FOUNDATION SECTION OF COLUMN

[Signature]
01.07.24
Assistant Engineer
PR & DW Deptt.

[Signature]
Superintending Engineer
Panchayati Raj & Drinking Water Deptt.

Labour Statement (Main building) AWC

Sl. No.	Item	Quantity	Unit	Unskilled		Semiskilled		Skilled		High Skilled	
				Rs.254/-	Rs.500/-	Rs.550/-	Rs.600/-				
				Qty/ unit	Total Qty	Qty/ unit	Total Qty	Qty/ unit	Total Qty	Qty/ unit	Total Qty
1	Excn of Foundation in hard soil	44.884	cum	0.43	19.00						
2	Sand filling in F&P	34.724	cum	0.12	4.00						
3	Cement concrete (1:3:6)	12.131	cum	3.90	47.00			0.18	2.00		
4	Flyash Brick Masonry in C.M.(1:6)	30.683	cum	2.96	91.00			1.05	32.00	0.35	11.00
5	Flyash Brick Masonry in C.M.(1:4)	2.604	cum	2.96	8.00			1.05	3.00	0.35	1.00
6	R.C.C.M-20 in R.C.C. work (Casting with Shuttering & Centring)	0.000	cum	1.33	0.00	0.06	0.00	0.10	0.00		
	i)Column base	5.811	cum	1.33	8.00	0.13	1.00	0.18	1.00		
	ii)Plinth band	2.897	cum	1.33	4.00	0.31	1.00	0.35	1.00		
	iii)Column & Beam	6.354	cum	1.33	8.00	5.26	33.00	5.30	34.00		
	iv)Lintel	1.559	cum	1.33	2.00	2.30	4.00	2.34	4.00		
	v)Roof slab	8.163	cum	1.33	11.00	3.16	26.00	3.20	26.00		
7	Rod Cutting Bending and Binding	29.741	qtl	0.80	24.00	0.04	1.00			0.30	9.00
8	25 mm thick grading concrete in C C (1:2:2) on roof slab etc.	59.422	sqm	0.36	21.00					0.10	6.00
9	6 mm C.P. in C.M. 1:4	53.943	sqm	0.17	9.00			0.14	8.00		
10	16 mm C.P. in C.M. 1:6	174.369	sqm	0.24	42.00			0.16	28.00		
11	12 mm C.P. in C.M. 1:6	109.808	sqm	0.12	13.00			0.14	15.00		
12	Supplying,fitting & fixing Vitrified tiles in floors of size 600mm x600 mm on 20 mm thick cement mortar(1:4)and filling joints with white cement,etc.	37.935	sqm	0.22	8.00					0.216	8.00
13	Supplying,fitting & fixing Vitrified tiles in dados of size 600mm x600 mm on 12 mm thick cement mortar(1:3),etc	7.789	sqm	0.33	3.00	0.76	6.00			0.33	3.00
14	Fixing tiles in floors,treads or steps and landings on 25 mm thick CM (1:1) jointed with neat cement slurry mixed with pigments to match the shades includind cost for rubbing, polishing & cost of floor tiles,etc	7.107	sqm	0.22	2.00	0.55	4.000			0.22	2.00

Labour Statement (Main building) AWC

Sl. No	Item	Quantity	Unit	Unskilled		Semiskilled		Skilled		High Skilled	
				Qty/ unit	Total	Qty/ unit	Total	Qty/ unit	Total	Qty/ unit	Total
					Rs.254/-		Rs.500/-		Rs.550/-		Rs.600/-
15	5" x 7" COOL. Gazed : es in wall on 12 mm of cement plaster (3) joined etc	11380	sqm	0.33	4.00					0.33	4.00
16	Supplying 4" x 7" x 12" Granite tiles in Kitchen Platform on 25 mm thick CV (11) etc	4301	sqm	0.22	0.00	0.55	1.000			0.22	0.00
17	Water bound cement pointing one coat etc	318.951	sqm	0.054	17.00					0.054	17.00
18	Two coats of cement plaster etc	209.143	sqm	0.062	13.00					0.052	11.00
19	Two coats of water coat plaster etc	109.808	sqm	0.032	4.00					0.022	2.00
20	Plaster pointing over a coat of primer etc	49.678	sqm	0.172	9.00					0.188	9.00
21	Plaster pointing over a coat of primer etc				20.00						
Total Qty					391.00		77.00		154.00		83.00
Rate per 1/500 sqm					254.00		500.00		550.00		600.00
Total Amount					99314.00		38500.00		84700.00		49800.00

Total:- Unskilled Wages. = Rs. **99314.00**

Skilled Wages. = Rs. **173000.00**

Assistant Engineer
PR & DW Deptt.

Superintending Engineer
Panchayati Raj & Drinking Water Deptt.