



GOVERNMENT OF JAMMU & KASHMIR

PWD(R&B) CIRCLE POONCH- RAJOURI DISTRICT HQR RAJOURI

Tel: 01962-262397 Fax: 01962-264040 Mail, pwdeircircleajouri@gmail.com

✓ The Chief Executive Officer,
Poonch Development Authority,
Poonch

No:R&B/46/ 667-68
Dated: 22-06-2021

**Subject: Technical Vetting of DPR for Construction of Cafeteria and Public
Convenience along with Mughal Road.**

Kindly refer your office letter No. CEO/PDA/2021-22/69 Dated 09.06.2021 wherein detailed project report for the above noted work was received in this office for technical vetting of the estimate. In this context, the same has been technically vetted for Rs. 82.25 Lacs for favour of further necessary action. The technical vetting is only for the purpose of Administrative Approval.


(Er. Sheikh Javaid Maqbool)
Superintending Engineer
PWD(R&B) Circle
Rajouri

Copy to the:-

- 1) Chief Engineer PW(R&B) Department Jammu.



**OFFICE OF THE CHIEF EXECUTIVE OFFICER
POONCH DEVELOPMENT AUTHORITY
(TOURISM SECTOR)**



Ph. & Fax No: 01965-222279
Email: ceo@poonchdeva.org
info@poonchdeva.org

The Superintendent Engineer,
PW(R&B) Department,
Rajouri/Poonch.

No.CEO/PDA/2021-22/69

Dated:- 09/06/2021

Subject:- Technical Vetting of Project for Construction of Cafeteria and Public Convenience along with Mughal Road.

Sir,

The project for the Construction of Cafeteria and Public Convenience along with Mughal Road has been approved under State Capex 2021-22. For Accord of Administrative Approval, the technical vetting is urgently required.

It is as such, requested to your goodself to vet the project technically so that the process for Administrative Approval can be initiated.

7.0/HD
AD
1/19
m/s

Yours faithfully,

Chief Executive Officer
Poonch Dev. Authority
Poonch



OFFICE OF THE CHIEF ENGINEER PW(R&B) DEPARTMENT JAMMU

OFFICE

Panama Chowk Rail-head
Jammu (Tawl) 180012
(E-mail: cejmurabpvd@gmail.com)

Office No. (2471788)

Office Fax No. (2471866)

The Chief Executive Officer
Poonch Development Authority
Poonch.

No.: CEJ/DB/ 561 A

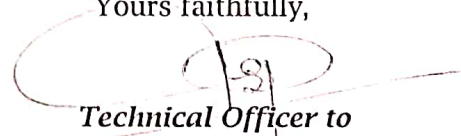
Dated: 08-06-2021

Subject: - Construction of Cafeteria and Public Convenience along with Mughal Road.

Sir,

The above noted case received by this office vide your No. CEO/PDA/2021-22/45 dated 25.05.2021 for accord of Technical Vetting is returned herewith in original with the remarks that the project cost be supported with detailed estimates on SSR 2020 and justification of LMR rates supported with analysis.

Yours faithfully,


Technical Officer to
Chief Engineer
PW(R&B) Department,
Jammu

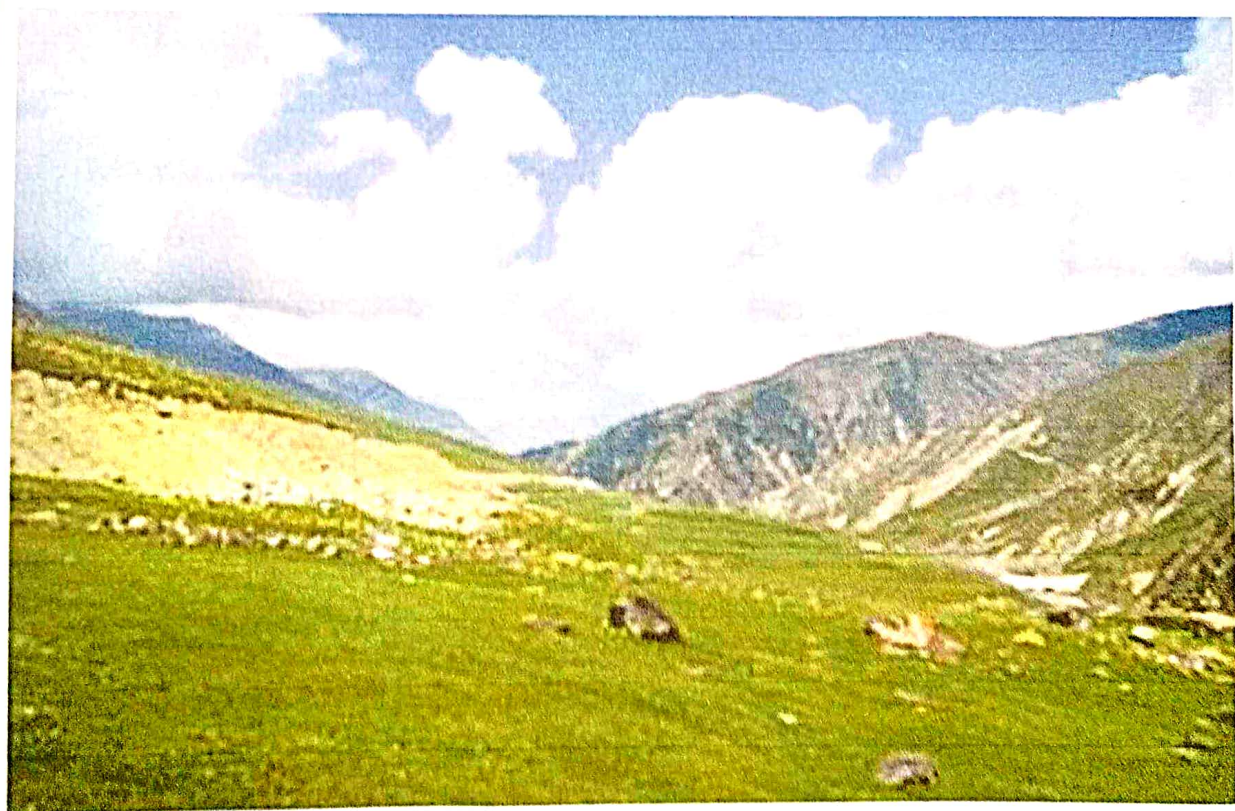
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POONCH DEVELOPMENT AUTHORITY



Name of the Project:- Construction of Cafeteria and Public Convenience along with Mughal Road.

Estimated Cost:- Rs.82.25Lakhs



DISTRICT POONCH

TECHNICAL REPORTS

NAME OF WORK: - Construction of Cafeteria and Public Convenience along with Mughal Road.

NAME OF AYTHORITY:- Secretary, Tourism Department, Government of Jammu & Kashmir.

HISTORY AND NECESSITY:- Poonch is a Border District of Jammu & Kashmir.

It has four Tehsils out of which two of it's Tehsils, namely- Surankote and Mandi have boundaries touching with Districts Shopian and Baramulla of Kashmir Valley. Poonch District is connected with Kashmir Valley by Historical Mughal Road through which the people of Poonch and Rajouri can move to and fro from valley in one day only. As at present there is no provision for the recreation in the area for the visiting tourists who prefer to spend time at the beautiful pass Buffliaz, Noorichamb, Chatha Pani Poshana and Peer-Ki-Gali, which has lush green meadows. Therefore, on the recommendation of

Worthy Secretary of Tourism Department to facilitate the tourists during the journey from Jammu to Srinagar and Srinagar to Jammu with the construction of Cafeteria, Public Convenience (toilets), the people visiting the area and passing through get relaxing and comfortable moments during their journey.

EXISTING FACILITIES:-

At present, there is no tourist facility created by any department along Mughal Road by which visitors can get enjoyment during the journey.

PROPOSALS:-

The project proposed to construct Cafeteria and Public Convenience (Toilets) including Solar Light.

SPECIFICATION:-

Foundation & Plinth: Cement Concrete, Plum Concrete & R.C.C.

Superstructure: R.C.C. Columns, Beams, Stone masonry.

Roofing: Steel Truss with Pre-laminated C.G.I Sheet.

Flooring: Cement Concrete Flooring/Vitrified Glazed tiles etc.

Finishing: Cement Plaster inside as well as outside, White Wash / Distemper / Paint / Cement Paint Wash/Emulsion/Putting outside &

Synthetic enamel paint to wood over a coat of primer.

EASTIMATED COST:-

The cost of the work, works out to the tune of
Rs. ^{77.85}82.25 Lakhs.

TIME OF COMPLETION:-

The work shall be completed within period of one year provided funds well in time.



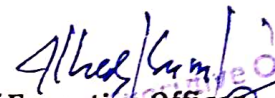
**Jr-Engineer
Poonch Dev. Authority
Poonch**



**Assistant Executive Engineer
Poonch Dev. Authority
Poonch**



**Executive Engineer
Poonch Dev. Authority
Poonch Development Authority
Poonch**



**Chief Executive Officer
Poonch Dev. Authority
Poonch**

MUGHAL ROAD



Detailed Estimate for Construction of Cafeteria/Public Convenience along with Mughal Road

S.No	Description of Items	Unit	Qty	Rate as per SSP 2020	Amount (in Rs.)
1	Earth work in excavation by manual means over areas (exceeding in 30 cm and up to 1.5 m in depth 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth up to 1 m from cutting edge disposed earth to be levelled and neatly dressed in all kinds of soil .	Cum	270.16	435.40	117789.76
2	Providing and laying in position cement concrete 1:5:10 mix (1 cement: 5 coarse sand : 10 crushed stone aggregate 40 mm nominal size excluding the cost of centering and shuttering all work up to plinth level including carriage complete.	Cum	25.80	4029.15	103952.07
3	Reinforced cement concrete 1:1.5:3 mix (1 cement 1.5 coarse sand 3 crushed graded stone aggregate 20 mm nominal size) in beams, columns, pillars suspended floors, roofs having slope up to 15 degree, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, stair cases and spiral stair cases up to floor 5 levels excluding cost of centering , shuttering, finishing and reinforcement.	Cum	130.08 22.82	8953.95	1164729.82
4	Providing and laying in position cement concrete in M-10 grade concrete excluding the cost of centering and shuttering all work up to plinth level 1:3:6 (1 cement : 3 coarse sand: 6 graded stone 20 mm nominal size) including cost of centering, shuttering up to plinth v level and carriage of all material up to site of work complete.	Cum	36.77	4943.40	181762.82
4(a)	D/d 20% boulders = 7.44cum.	Cum	7.44	337.45	2510.83
5	Brick masonry with FPS bricks of class designation 75 in super structure up to floor V level in cement mortar 1:6 (1cement: 6 cement coarse sand). complete as per the directions of Consultant upto floor V level.	Cum	22.58	7507.40	169517.09
6	Random Rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 Cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) upto plinth level and curing complete with Cement mortar 1:6 (1 Cement : 6 coarse sand).	Cum	42.30	4400.05	186122.12
7	Reinforcement for RCC work including straightening, cutting, bending and binding and placing in position all complete. (TMT bars).	KG	1286.00	79.25	101915.50
8	Centering and shuttering including strutting, propping etc and removal of form work in Foundation, footings, bases of column for mass concrete with water proofing ply 12 mm thick.				0.00
8 (i)	Lintels, beams, plinth beam, girders, bressumers and cantilevers with water proofing ply 12 mm thick.	Sqm	59.91	502.85	30125.74
8(ii)	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	206.98	573.85	118775.47
8(iii)	Foundations, Footings.	Sqm	102.30	262.30	26833.29
9	Provide wood work in frames of door, windows and clearstory windows and other frames , wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia and length of 2 nd class deodar wood.	Cum	1.15	135845.65	156222.50

10	Providing and fixing 35 mm thick panelled or panelled and glazed shutters for door and windows including ISI marked black enameled M.S Butt hinges with necessary screws excluding , panelling which will be paid for separately using (2nd class deodar wood)	Sqm	23.00	3818.55	87826.65
11	Providing and fixing glazed shutters for doors and windows and clerestory windows using 10kg/sqm (4mmthick) float glass panes including ISI marked MS pressed butt hinges bright finished of required size with necessary screws using 2nd class deodar wood.	Sqm	18.56	4534.40	84158.46
12	Providing and fixing of 35 mm thick wire guaze shutters using galvanised MS wire guage of average width for aperture 1.4 mm in both directions with wire of dia 0.63 mm for doors , windows, cerestory windows with hinges and necessary screws using 2nd class deodar wood.	Sqm	35.00	4368.00	152880.00
13	Structural steel work welded in built up sections ,trusses and frame work including cutting ,hoisting , fixing in position and applying a priming coat of approved steel primer all complete.	KG	8664.00	92.85	804452.40
14	Providing corrugated color coated track deck sheet roofing including vertical/curved surface fixed w ith polymer coated J or L hooks, bolts and nuts 8 mm dia meter with bitumen and GI limpet washers or GI limpet washers filled with white lead and including a coat of approved steel primer and two coats of paint on overlapping of sheets complete (up to any pitch in horizontal/vertical or curved surface) excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required . (160 mm thick with zinc coating not less than 350 gms/sqm including rades/bins 60cm in width	Sft	2000.78	170.00 200.00	340132.00 400156.00
15	Providing and fixing 300 x 32 mm nominal size plained eves boarding.	Mtr.	49.20	819.75	40331.70
16	15mm thick cement sand plaster on rough side of single /half brick wall in 1:6 mix (1 cement : 6 coarse sand)	Sqm	220.55	278.60	61445.23
17	6mm thick cement sand plaster on rough side of single /half brick wall in 1:3 mix (1 cement : 3 coarse sand)	Sqm	139.51	221.50	30901.47
18	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	150.70	216.00	32551.20
19	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade two or more coats on new works	Sqm	460.06	127.45	58634.65
20	Rised and cut painting on Stone masnory 1:3 mix (1 Cement : 3 Sand). <i>Painting</i>	Sqm	130.060	493.80	64223.63
21	Applying priming coat of ready mixed pink or grey primer of approved brand and manufacturer on wood work hard and soft wood.	sqm	70.185	59.50	4176.01
22	Painting with ready mixed synthetic enamel paint of approved brand and manufacture in all shades to give even shade two or more coats on new steel work.	Sqm	196.28	127.45	25015.89
23	Providing wood work in frames of false ceiling , partations etc. sawn and fixed in position using 2nd class kail wood.	Cum	2.85	106894.15	304648.33

24	Providing and fixing MS grill of required pattern in frames of windows etc with MS flats, square or round bars etc including priming coat with approved steel primer all complete fixed to openings/wooden frames with rawl plugs screws etc.	KG	150.00	161.25	24187.50
25	Providing and fixing toughen glass. 1240 p (200 p 31)	Sil.	237.96	285 LMR 5942.50	67618.60
26	Providing and fixing of 18 mm thick wooden planking, tongued and grooved in roofing including fixing with iron screws complete using 2nd class teak wood.	Sqm	166.23	3681.20	611925.88
27	Applying priming coat with ready mixed pink or grey primer of approved brand and manufacturer on wood work hard and soft wood.	Sqm	66.23	59.50	3940.69
28	Providing and fixing 75x60x10mm PTMT butt hinges fitted with 5.5mm dia MS bright bar rod weighing not less than 34 gms each with necessary screws etc complete	Nos.	20.00	96.30	1926.00
29	Providing and fixing 100 x 75 x 10mm PTMT butt hinges fitted with 5.5mm dia MS bright bar rod weighing not less than 54 gms each with necessary screws etc complete	Nos.	40.00	119.70	4788.00
30	Providing and fixing 152x42x18 mm weighing not less than 60 gms PTMT tower bolts with 12 mm one piece rod inside and necessary screws etc complete.	Nos.	20.00	104.95	2099.00
31	Providing and fixing 202x42x18 mm weighing not less than 78 gms PTMT tower bolts with 12 mm one piece rod inside and necessary screws etc complete.	Nos.	20.00	137.55	2751.00
32	Providing and fixing PTMT handles with necessary screws etc complete 125 x 34x 24 mm weighing not less than 23 gms.	Nos.	12.00	51.65	619.80
33	Providing and fixing PTMT handles with necessary screws etc complete 150 x 34x 24 mm weighing not less than 26 gms.	Nos.	20.00	59.65 69.65	1193.00 1393.00
34	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. Layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering lead up to 50 m and lift up to 1.5m.	Cum	46.20	198.70	9179.94
35	Providing and laying in position specified grade of reinforcement concrete 1:2:4 (1 cement:2 coarse sand: 4 graded stone aggregate 20 mm nominal size excluding the cost of centering shuttering finishing and reinforcement all work up to plinth level.	Cum	10.92	5877.45	64181.75
36	Providing and fixing of vitrified glazed floor tile 600x 600mm first quality conforming of IS 13755 of NITCO, ORIENT, SOMANY KAJARIA, or equivalent make of colour such as white, grey, Fume red brown laid on 20mm thick bed of cement mortar 1:4 Mix. Including pointing the joints with white cement and matching pigment, completely.	Sqm	126.12	1482.00	186909.84
37	Providing and fixing of 1st quality ceramic glazed tiles conforming of IS 13753 of NITCO, ORIENT, SOMANY KAJARIA, or equivalent make of colour such as white, grey, except begundy, bottle green black of any size as approved by Engineer in -charge in skirting, riser of steps and dados over 12 mm thick bed of cement mortar Fr 1:3 Mix. Including pointing the joints with white cement and matching pigment, completely.	Sqm	47.56	1161.05	55219.54

38	Providing and laying/ fixing ceramic glazed floor tiles 300 x 300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS: 13755 of NITCO, ORIENT, SOMANY KAJARIA, or equivalent make of colour such as white, grey, except white, ivory, Grey, fume red, brown laid on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) including pointing the joints with white cement and matching pigments etc complete.	Sqm	10.88	1052.75	11453.92
39	Carriage of material from source to site of work by mechanical transport including cost of loading, unloading and stacking.				0.00
39.01	Carriage of cement and steel through a lead of 296Km by M.T and 100mtr head load.	Ton	82.42	2583.49 -4277.06	712931.25 352615.29
39.02	Carriage of Sand through a lead of 311Kms by MT and 100mtr head load.	Cum	133.20	2909.30	387518.76
39.03	Carriage of Bajree through a lead of 45Kms by MT and 100mtr head load.	Cum	178.23	611.06	108909.22
39.04	Carriage of bricks through a lead of 276Kms by MT and 100mtr head load.	Nos./ 1000	10776.00	6776.69	73025.61
39.05	Carriage of stone aggregate through a lead of 45 kms by M.T and 100mtr head load.	Cum	24.25	662.83	16073.63
39.06	Carriage of stone through a lead of 11 kms by M.T and 100mtr head load.	Cum	39.06	373.75	14598.68
40.00	Add: 10% for Sanitary fitting.				649810.00
41.00	Add: 12.50% of Electrification.				812262.00
42.00	Add: Cost for Samp/ Septic Tank/ Sokage Pit.				250000.00
Total:-					8224772.04

Say:Rs.-82.25 Lakhs

77.85 lacs

7784540

Junior Engineer

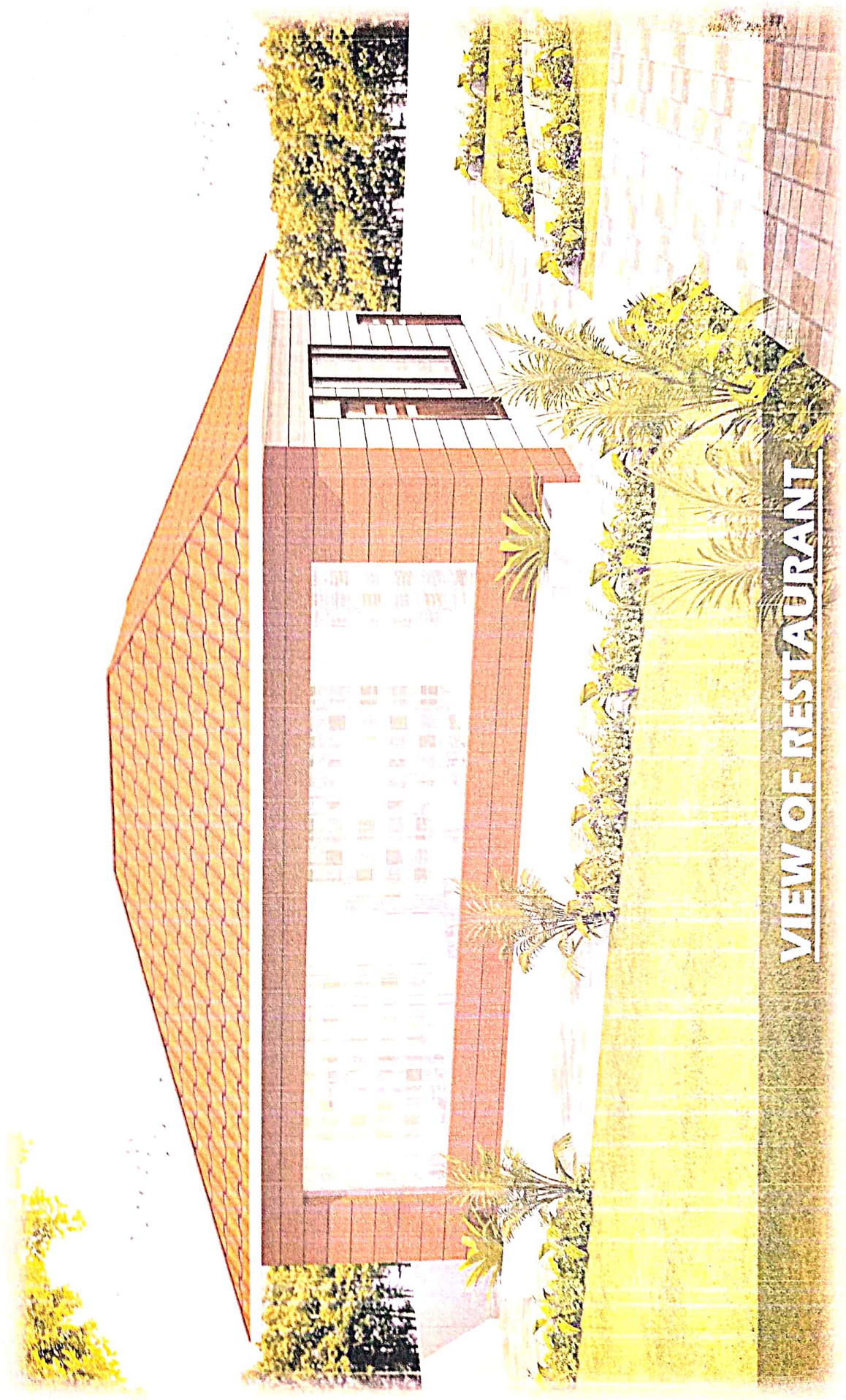
Poonch Development Authority
Poonch

Assistant Executive Engineer
Poonch Development Authority
Poonch

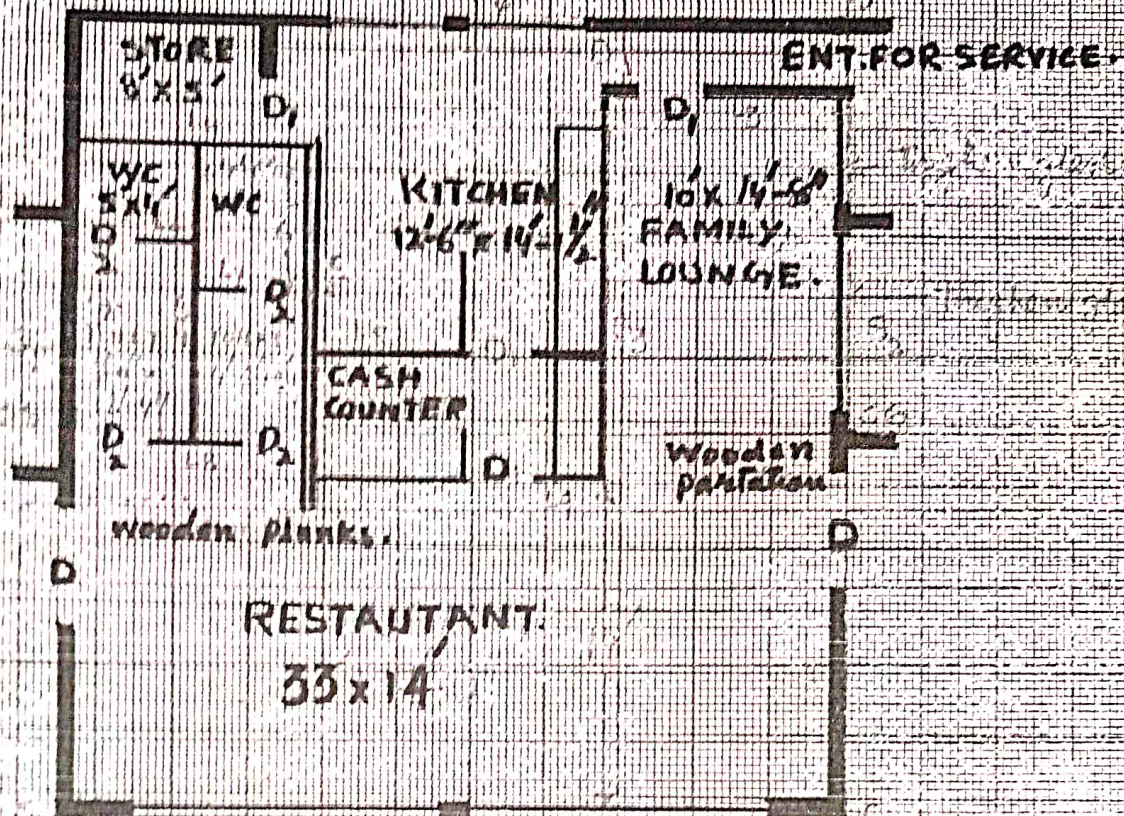
Executive Engineer

Poonch Development Authority

Poonch



VIEW OF RESTAURANT

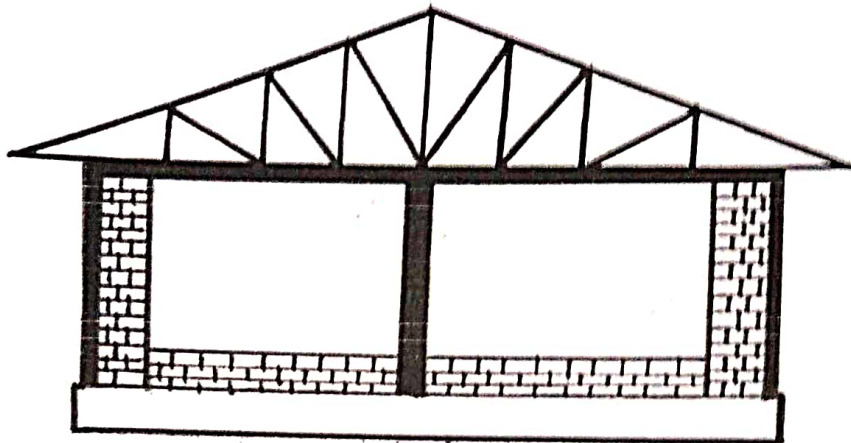


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FRONT ELEVATION OF THE CAFETERIA

*sketch
AN*

[Signature]
JUNIOR ENGINEER

ASST. EXE. ENGINEER
PDA POONCH

[Signature]
EXECUTIVE ENGINEER
PDA POONCH

1

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22-0-02

25-05-2025

2020-2021

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

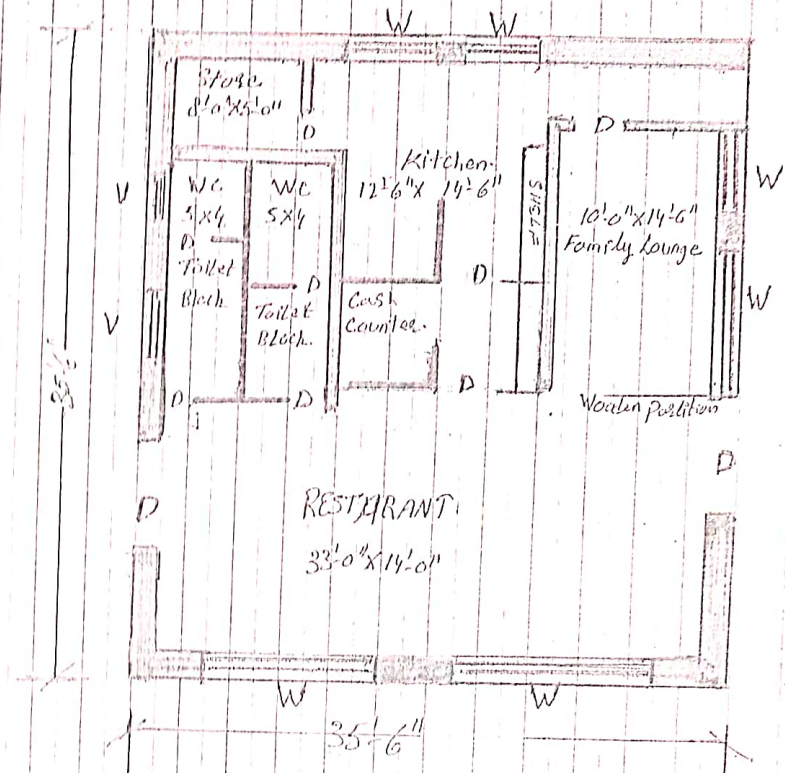
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Police

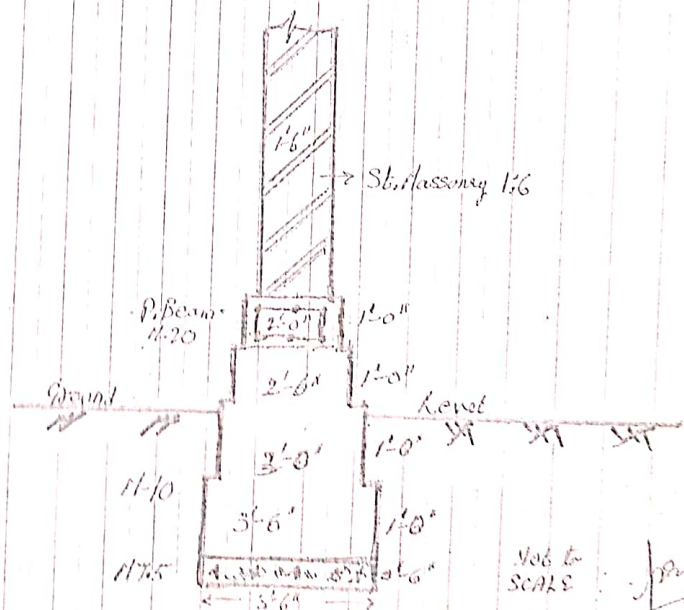
五

Outlet at end of 1st. above Masthead Road

PLAN OF CAFETERIA / PC



SCALE 1cm = 2m



Not to
SCALE

Religiosi
AL

FOUNDATION PLAN

Ques

Section likely associated mineral zone in fault-line, traces up
extending 1 mi north as well as the soft low ridge showing of rocks
disposed large band of 1st from valley edge with 50%.

On 4/21/01 at 11:77 AM

$$100 - 2(100 - 175) = 95\%$$

100

Reinforcement RCC in 4-20 grade (1:1.5:3) with st off of 20mm
 Nominal size weld. Cast of Centreing & Shuttering
 Plinth / Lintel Beams.

$$2 \times 2 \times 35'-0" \times 1'-3" \times 1'-0" = 175.00$$

$$2 \times 2 \times 33'-9" \times 1'-3" \times 1'-0" = 168.75$$

Lintel Slab

$$16'-9" \times 12'-0" \times 0'-5" = 82.41$$

Lintel Slab

$$22'-0" \times 2'-2" \times 0'-5" = 19.48$$

Inner Lintel Beams

$$266'-6" \times 0'-9" \times 1'-0" = 49.87$$

Pl. wall.

$$31.5 \times 0.87 \times 4 = 109.02 m^3$$

$$2 \times 14'-0" \times 0'-9" \times 1'-0" = 21.00$$

$$1 \times 10'-0" \times 0'-9" \times 1'-0" = 8.10$$

$$2 \times 12'-6" \times 0'-9" \times 1'-0" = 18.75$$

$$1 \times 5'-0" \times 0'-9" \times 1'-0" = 3.75$$

Slab for ramp slabs

$$2 \times 15'-0" \times 10'-0" \times 0'-6" = 75.00$$

Soakage pit

$$3.14 \times (4.5')^2 \times 0'-6" = 25.12$$

$$744.13 \text{ off}$$

$$= 109.02$$

$$130.08 \times 0.87 = 113.47$$

Reinforcement for RCC work incl. straightening, cutting bending
 placing incl. bending wire

$$\text{@ 17.10 (4) } 1286 \text{ kg @ } 79.25/m$$

$$130.08 \times 9.88/m^3$$

Stone Random Rubble masonry with hard stones in foundation +
 Plinth incl. levelling in 1:6 mix

$$2 \times 36'-0" \times 1'-3" \times 10'-0" = 900$$

$$2 \times 33'-0" \times 1'-3" \times 10'-0" = 825$$

$$1725.00$$

$$2562.5$$

D/dappings

$$1 \times 3'-0" \times 1'-3" \times 7'-0" = 26.25$$

$$1 \times 4'-0" \times 1'-3" \times 7'-0" = 35.00$$

$$1 \times 3'-0" \times 1'-3" \times 4'-6" = 13.50$$

$$2 \times 4'-0" \times 1'-3" \times 4'-6" = 15.00$$

$$2 \times 2'-0" \times 1'-3" \times 2'-0" = 15.00$$

Beam (B)

$$343.75$$

$$2562.5 - (1)$$

$$\text{@ } 1468.75 \text{ off @ } 42.30/m^3$$

$$\text{@ } 4400.05/m^3 \quad 186/27$$

Rich Mortar with F.P.S bricks of class designation 75 in
 1:4:8 mix. Plinth floor level in 1:6 mix

$$2 \times 33'-0" \times 0'-9" \times 10'-0" = 495.00$$

$$2 \times 10'-9" \times 0'-9" \times 10'-0" = 322.25$$

$$1 \times 5'-0" \times 0'-9" \times 10'-0" = 37.50$$

Pl. wall

$$D = 1 \times 2'-6" \times 0'-9" \times 7'-0" = 52.50$$

$$854.75 - 52.50 = 802.25$$

$$\text{@ } 22.58/m^3 \quad 7507.40/m^3 \quad 16851$$

1 35mm thick wire gage shutter using galvanized 1/8" wire
w/ 2nd class deodar wood

$$2 \times 3' \times 3' \times 10' \times 6' = 108$$

$$2 \times 2' \times 5' \times 6' = 120$$

$$2 \times 3' \times 6' \times 2' = 14$$

$$3 \times 4' \times 7' = 84$$

$$2 \times 3' \times 7' = 42$$

$$368 \text{ sft} \times 34.78 \text{ am} \times 35 \text{ mm} = 4368 \text{ m}^2$$

152880

St. Steel work welded in built-up sections lusses and
frame work incl. cutting, harving, lining in position and offing
a lining cut of offinal steel piece

$$3 \times 9' \times 39' = 1521 \text{ sft} \times 5.70 \text{ m}^2$$

$$8664 \text{ sft} \times 92.83 \text{ m}^2$$

804452

Providing Corrugated Color Coated Frank deck sheet incl.
vertical / curved surface with Jolt Hanks, bolts nuts & washers.

$$2 \times 4' \times 2' \times 19' = 1292 \text{ m}^2$$

$$1/2 \times 39' \times 18' = 708.78$$

$$20078 \text{ sft} \times 200 \text{ sft} = 40156$$

Pl/fining 100x32mm nominal size plained over baulk.

$$2(39+39) = 156 \text{ sft}$$

$$5.37 \text{ sft}$$

$$161.37 \text{ sft} \times 49.20 \text{ sft}$$

15mm thick cement plaster in 1:6 mix

$$819.75 \text{ sft}^2$$

40331

$$2(33+33) \times 10' = 1320$$

$$2(10+10) \times 8' = 800$$

$$2(14+10) \times 10' = 1800$$

$$2600$$

$$241.5 \text{ sft}^2$$

D/dapungs

$$20.99$$

$$220.55 \text{ m}^2 \times 278.60 \text{ m}^2$$

13

61445/

Carpet & Shutter incl. flooring and around the same.

Foundation / Family
 3 @ 601.25 cft
 3 @ 396.00 cft
 3 @ 107.50 cft

$$\frac{1106.75}{1.0''} = 1106.75 \text{ sf } @ 102.30 \text{ m}^2 \text{ @ } 262.30 \text{ / m}^2 = 26833$$

Limbs, beams, plinth,

QUANTITY @ 343.75
 @ 49.87
 @ 73.50

$$\left. \begin{array}{l} 3 \times 18.6'' \times 2.2'' = 11.0 \\ 2 \times 13.0'' \times 2.2'' = 7.0 \\ \hline 648.12 \text{ sf} \end{array} \right\}$$

$$\text{or } 59.9 \text{ m}^2 @ 502.85 \text{ / m}^2 = 30125 \text{ /}$$

Walls - any thickness incl. attached etc.

$$2 \times 31.5 \times 3.30 = 206.48 \text{ m}^2 @ 573.88 \text{ / m}^2$$

$$11875$$

Provide wood work in frames of door, windows with bald top
 Lugs of red cross section wood.

W - $3 \times 3 \times 8.0'' = 72.0$
 $3 \times 3 \times 6.0'' = 54.0$
 D - $2 \times 2 \times 7.0'' = 28.0$
 $2 \times 4.2'' = 8.4$
 $3 \times 4 \times 3.0'' = 36.0$
 $2 \times 3 \times 7.0'' = 42.0$
 $2 \times 2 \times 3.6'' = 14.4$
 $2 \times 7.0'' = 14.0$
 $2 \times 2 \times 3.6'' \times 14.0$

$$\left\{ \begin{array}{l} 2 \times 7.0'' = 14.0 \\ 2 \times 2 \times 2.6'' = 10.4 \\ 2 \times 2 \times 2.6'' = 10.4 \\ \frac{1}{2} \times 2 \times 2.6'' = 5.2 \\ 2 \times 4.0'' = 8.0 \\ \hline 2 \times 2 \times 4.0'' = 16.0 \\ 2 \times 2 \times 6.0'' = 24.0 \\ \text{Provide} \\ \text{woodwork etc} \\ 2 \times 14.0'' = 28.0 \end{array} \right.$$

$$\text{or } 40.89 \text{ cft}$$

$$1.15 \text{ m}^3$$

$$\text{or } 135845.69 \text{ / m}^3$$

$$13156222 \text{ /}$$

$$39940.56 \text{ cft}$$

Placing 35mm thick panelled or panelled glazed shutters for
 door & windows of red cross section wood.

D - $2 \times 4.0'' \times 7.0'' = 56.0$
 $5 \times 3.6'' \times 7.0'' = 122.50$
 $4 \times 2.6'' \times 7.0'' = 70.0$

$$\left\{ \begin{array}{l} 248.50 \text{ sf } @ 23.0 \text{ m}^2 @ 38185 \text{ / m}^2 \end{array} \right.$$

$$87026$$

Placing of glazed shutters for door / windows using 10kg / m²
 4mm thick float glass of red cross section wood.

$4 \times 2.6'' \times 6.0'' = 60.0$
 $8 \times 2.0'' \times 6.0'' = 96.00$
 $2 \times 2.8'' \times 6.0'' = 31.92$

$$\text{or } 18.56 \text{ m}^2$$

$$@ 4534.10 \text{ / m}^2$$

$$83568 \text{ /}$$

$$\begin{array}{r} 14 \times 1.7'' \times 6.0'' = 136.8 \\ \hline 211.92 \text{ sf} \\ \hline 10.56 \\ \hline 198.42 \text{ sf} \end{array}$$

Plaster in 1.3 min

wall

$$31.5 \times 9 = 283.5$$

$$31.5 \times 1.4 = 44.1$$

$$139.50 \text{ m}^2 \text{ @ } 21.50/\text{m}^2$$

3090/-

Plastering wall Pully 2 min over plastered surface to surface of ground.

$$\text{Area of } 139.50 \text{ above } 130.72$$

Kitchen slab/Parit

$$16.9' \times 12.2' = 207$$

$$22.0' \times 22.2' = 488.4$$

$$220.48 \text{ or } 20.48 \text{ m}^2$$

$$150.70 \text{ m}^2$$

$$\text{@ } 21.6/\text{m}^2 \text{ is } 32551$$

Painting with plaster enamel paint of approved brand and manufacturer to give on stone

$$\text{Area } 16417 (220.55 + 139.50) = 360.05$$

$$\text{enamel paint } (36 + 36) \times 2 \times 7.6' = 1080 \text{ or } 100\%$$

$$460.06 \text{ m}^2 \text{ @ } 127.45/\text{m}^2 \text{ is } 58634$$

Painting on stone masonry in 1.3 min

$$2 \times (33'3" + 33'3") \times 10 = 1410.8 \text{ ft}^2 \text{ or } 130.06 \text{ m}^2 \text{ @ } 493.50/\text{m}^2$$

64223/-

Providing priming coat of ready mixed pink or grey primer of approved brand and manufacturer on wall work.

$$\text{Area } 6 - (D) \frac{256.22}{1.3} = 205$$

$$7 - (A) \frac{52.50}{0.9} = 70$$

$$275.72 \text{ or } 756.25 \text{ ft}^2$$

$$\text{or } 70.18 \text{ m}^2 \text{ @ } 59.50/\text{m}^2 \text{ is } 4179$$

Painting with ready mixed synthetic enamel paint of approved brand and manufacturer

$$33'0" \times 33'0" = 1089$$

$$756.25$$

Area (C)

$$26'5" \times 3'6" = 95.7$$

$$126$$

$$2086.75 \text{ ft}^2$$

$$\text{or } 196.28 \text{ m}^2$$

$$\text{@ } 127.45/\text{m}^2$$

25015

22) Providing wood work in frames of doors & windows of 2nd class teak wood.

$$2 \times 14 \times 35.6' \times 0.5'' \times 0.3' = 101.88 \text{ sft or } 28.50 \text{ @ } 106.89/\text{sq ft}$$

23) Providing and fixing 1/8" grill of reqd. pattern in frames and windows with 1/8" flat, square or round bars etc. etc. Preparing coat

$$\begin{aligned} W \rightarrow & \left. \begin{aligned} 3 \times 8'-0'' \times 4'-6'' &= 108 \\ 2 \times 4'-0'' \times 4'-6'' &= 36 \\ V \rightarrow & 1 \times 2'-0'' \times 3'-0'' = 6 \end{aligned} \right\} 150 \text{ sft} \times 1.1 \text{ kg/sft} = 150 \text{ kg} \\ & \text{CP: } 16.75/\text{kg} \quad 2 \end{aligned}$$

24) P/F of 12mm tangle glass of approved make and quality incl. all wastages

$$\begin{aligned} W & 5 \times 6'-0'' \times 6'-0'' = 180.00 \\ \text{Right-tran} & 6'-0'' \times 6'-3'' = 37.50 \\ \text{Left-center} & 4'-6'' \times 4'-6'' = 20.25 \\ & \underline{237.75 \text{ sft @ } 283/\text{sft}} \quad \text{is } 67. \end{aligned}$$

25) P/F of 18mm thick wooden Planking T+G in roofing incl. fixing with screws of 2nd class teak wood.

$$42'-3'' \times 42'-6'' = 1795.62 \text{ sft or } 166.23 \text{ m}^2$$

26) Applying Preparing Coat with sandy mixed pink or grey Primer of approved brand and make

$$\text{QTY: } 166.23 \text{ m}^2 \text{ @ } 59.50/\text{m}^2 \quad \text{is } 989$$

27) Providing and fixing 76 x 800 10mm P.T.T. butt hinges fitted with 5.5mm dia 1/8" bright bar with necessary screws.

$$20 \text{ No @ } 96.50/\text{each} \quad \text{is } 192$$

28) P/F 100x75 x 10mm P.T.T. butt hinges with necessary screws, etc.

$$40 \text{ No @ } 119.70/\text{each} \quad \text{is } 47$$

152x42x18mm PTMT Tower bolts with 12mm dia
 piece with necessary screws.

20 No @ 104.95/c

12 2079

3046 P/F 202x42x18mm PTMT Tower bolts with 12mm dia
 Piece with necessary screws

20 No @ 137.55/c

05 2751

P/F of PTMT handles with necessary screws 12.5x34x24mm
 12 No @ 51.63/c

03 619

P/F of PTMT handles with necessary screws 150x34x24mm
 20 No @ 69.63/c

13 1392

Filling available central earth in ducts, flanks, sides
 of foundation running, watertight
 @ 270.16/c' allow 4 to 70000 19870/m²

03 9179

P/layer in Position specified grade of RCC is 15 of
 St. of 20mm

1000 31.50x 1.51x 0.23 = 10.92m³ @ 5877.45/m³ 10 64181

P/F of vitrified glazed tiles 600x600mm of offbrand make
 and colour as 1.4 mm

33.0' x 35.0' = 1155

Split (33+35) x 2 x 0.6' = 68

Add 116 for waste = 134.53
 1357.53 sq ft or 126.12 m² @ 1482/m² 186909

P/fin of glazed tiles of offbrand make + quality in 12mm
 Cement mortar 1.4 mm

2 (5.0' x 4.0' + 4.0' x 2.6') x 7.0' = 217

4 (5.0' x 1.0' + 1.0' x 2.6') x 7.0' = 192.50

14.0' x 6.0' = 84

7.0' x 2.6' = 18.32

511.82 sq ft or 47.56 m²

@ 1161.05/m² 55219

Providing and laying ceramic glazed floor tiles 300x300mm
 20mm thick
 laid on sand mortar 154 mm thick

8' 4 1/2" x 14' 0" = 116.62 sq ft @ 10.88 sq ft @ 1052.75/sq ft 12453

Carriage of diff. materials by H.T. and haul haul of 1000

Carriage of Cement/Steel sand 276 kg @ 2.42 sq ft @ 13.42 sq ft @ 13.42 352515

Carriage of Sand sand 311 kg 133.20 sq ft @ 13.42 sq ft @ 13.42 352515

Carriage of Bricks sand 45 kg 178.22 sq ft @ 13.42 sq ft @ 13.42 352515

Carriage of Bricks sand 276 kg 10776 kg @ 13.42 sq ft @ 13.42 108909

Carriage of St. exp. sand 45 kg 24.25 sq ft @ 13.42 sq ft @ 13.42 13025

Carriage of Stone sand 11 kg 39.06 sq ft @ 13.42 sq ft @ 13.42 14598

Total 6498156

Add 10% for sampling fittings 649810

Add 12.5% for electric fixture 312269

Add Cost for sum/supplies/supplies/supplies 250000

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