

Centro to
343 Col-
1) Excavation: 1099 cu. ft
2/39'3" x 3'6" x 4'0" = 1099 cu. ft "3/14'3" x 3'6" x 4'0" = 598.5 cu. ft
Total:- 1697.5 cu. ft
15' \ Lean :- \ 1:4:8}
2/39'3" × 3'6" ×0-3" = 68.6875 cu. Ht
3/14'3" x 3'6" x 0 - 3" = 37.40 cu. ft
Total:- 106.0875 cu. fl
) PCC : {1:2:4)
2/39'3" × 3'0" × 0- 6" = 117.75 CM. FE
3/14'3" × 3'0" × 0-6"= 64-125 cm- St
Total = 181.875 cm. ft
) Slep1:-
2/39'3" X2.27" x0.6" = 88.3125 cu.ff
3/14'3" x 2.27' x 0-6"= 48.09375 cu. FE
Total = 136.40625 cu.fl
2/20/2" × 15' × 2 1" 50.875 m 65
$2/39'3'' \times 1.5' \times 0-6'' = 58.875 \text{ cu.fi}$ $3/14'3'' \times 1.5' \times 0-6'' = 32.0625 \text{ cu.fi}$
1- Total = 90.9375 curft
Brick work belen DAC: - (NSL)
192 (4)

2/39'3" × 9" × 2.25' = Gft

Prepared, Arranged and Composed by:-Asad Iqbal

```
Back Fill:
     Excaration - all (i.e lean +Pac etc)
       =7 1697 - 719.43 =7 977.75 Cu. Et
                             1977.75 cft
                  B.W NSL DDPC.
7) Brick Work
  2/39'3" x 0-9" x 0-6" = 29.43 CF
  3/14/3" x 0-9" x 0-6" = 16.03125 CH
                   Total = 45.46125 CFT
8) Brick Work Above DPC:-
  2/39'3" ×0-9" × 12' = 706.5 Cff
               (Story Height)
  3/14/34 × 0-94 × 12" = 384.75 CF
      Total = 1091.25 CSf
# Door Deduction: -
    1/316" × 7-0" × 0-9" = 18,375 Cft
    1/41-0 × 71-0 " ×0-94= 21 Cff
          Total = 39.375 CF4
* Net Brick Work:-
     Brick work above DR-Door openings.
     1091.25 - 39.375
       => 1052.69 558
```

Nel Total = 1052.62 cft

The state of the s
LASTER - /14
External Plaster:
External Page.
2/40-0" × 12'-6" 100000H & Story Height = 12' ATRI
Full due to external.
2/15'-0" x 12'-6" = 375 SQFT
Total = 1375 Su. ft
* Door deductions:
1/3-6" × 7-0" = 84.5 Sa. H 37 7
1/4-0"x7-0" = 28 Sa-ft
Tokal = 52.5 Sa. H
Net External Plaster:
⇒ 1375 – 52·5
= 1322.5 Sq. H
Net Tolar (1322.5 St. F1)
3) Intermal Plaster:- 1:0)
(3 31 × 2/34.75' × 12' = 906 52. A
37.27 4/13.5' x121/ = 648 82.44
"35) Total = 1554 Se. 84
Door deductions:
1/3-6" ×7'-0" = 24.5 St. F4
1/4'-0" x7'-0" = 28 SK. F4
NET Internel Plaste:

	*
- Jehl	
sagada di 34 i	1400000
Zeiling Plaster 1- (14)	
A 18.85 × 18.5' = 508.625 34.84	-1-
The 1 -18"	DE
Palmt = Folal => 509.625394	eort
which is always earned to the Pl	and wall
Conorete:	
1) Corrende for 866:- (1:2:4) 1/43' x 1862 (110) 565,87 cu. 54	1 11-1
(Because delling is televoled 15 st at every	- step
Cormer).	1) }
ii) Conside for Contel: (1:2:4)	D) Ex
Die 1/ (3-6"+(8"49")), 9" 9" = 9.8125 Custon /4  1/ 5.5' x 9" x 9" = 3.09375 cu. 4 3 Tolar  (10", 41) [Tolar 5.90625 cu.ft] U.g. 13.	ii) Im
Track = 5.90625 auff) 14 11 19	1) (
Class B High	
* Correcte for DPC: ~ (1:2:4)	n L
2/39'3" × 0-9" × 0-2" = 9.8125 < H	* Cl
3/14'8" x0-2" x0-2" = 5:34375 ef	
(Yetal. + 15-115625 EFF)	

```
mmont:-
       i) Excavation :-
       earth WM = 1697 CFf
       Back fill = 977. 75 Cff
  Plates: i) BB WOOK:-
                    45.46 + (1091.25 - 39.375) + 204.60
OR 1052.62
                  + 136.40625 + 90.9375 =7 1530.02 01
        Step 2 + Step 2 + BB below NSL + BB B.W NSLAN
       i) Plasty:- + BB work above DPC)
every
      i) External :- { 1:4} => 1322.5 Sa. Ex
      (i) Internal: - {1:6} => 1506 + Cailing Plaster (509.6%)
                         = 2015.625 54.50
      1) Concrete: - 0
       * Lean (1:4:8):- 106.0875 Cu. 84 V
       * class B:- (1:2:4) = PCC+ Slab + Lenleie +DPC
                     = 181.875+387+5.90625+15.160 We
                    = 589.78125 cu. 4
```

Trepared,	6/mat	
		· V
- constant	MATERIALS DEMAND	laved
	Excenting.	me.
	Eerth Work = 1697 CH	
	11.97 US. US CWIM	Bo
	35.977 (een). [48.48" cumm	7
1	Congel: (1:4:8)	10, 0
4.60	Wet Volume = 106.08 CF4	-
	ony volume of Contrele (1:4:8)	
22 974	106.08 × 1.54 => 163.36 5ft / contrin	Les Moi
NSLADA	comont:	wei
	1/ ×163.36 = 12.566 cu. A	30%
	AN 12.566 => 10.0528 Days of Contact	-
509.625)	1.23	So,
3022	* Sand:	-3/4-1
	*Crush:-	
	8/13 × 163.36 => 100.52.9 474	email
HDPC 5. 15625	* Conque :- Class B (1:2:4)	7d:- 0
5. 15623		-
	by vd = \$ 89.15625 × 1.54 > 908.5846 CF	
	"Coment:	
	-1/7 × 308.58 46 = 129.79.78 Cft = 129.79.78 = 103 83 hags	-
-	= 103 13 bags	
THE STATE OF		HILL STREET

Tepareu, Arrangeu anu Composeu byAsau Iqbai
South: 2/ x 908.5846 = 259.59 < ft  2mil: 4/2 x 908.5846 = 519.1912 < ft
Brick WM :-  Total = 1530.02 < ft   Converse  Vo. of Bricks = 1530.02 × 13.5   × 13.5
= 20653. 8255 Bricus. Notes Mostor :- [1:6]) Sy wei vol. of Morton:-
30% of BB is Maton.  1529.913 × 30 => 458.9739 <\$4  So, Well mark 160 458.9739 <\$4
# Volume of Mortor = \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1/7 ×582.89 = 83.27 59 nd: 6/4 ×582.89 = 499.62 64

Correlia 154

Plasty: (1:4)  So. Ft -> co. Et	
Plaster: (1:4)	
Plasty: (1) Ja- Ft -> cu. It	2
wel vol: 1322.5 × .04167 / Conversion & .04167	$ i\rangle$
Wet vol. = 55-108 cm. Ft	
	Mc
DN 101. :- 69.98 716	1
* Coment .	1 1
1/5 × 69.9716 = 9.998 Cu-H	
Spread =	0
4/5 × 67-4 10 =7 55. 7++28 20 7	0
910° * Plastr (1:6)	
* WEI VOI: 2015-62589ff	
205.625 X -0417 => 83.998 cu. At	Bric
Wet Vol. = 83.998 cu. Fd	
· Day vatio	
83.998 × 1.27=> 106.67746 Cu.f	
a Cement :-	
1/2 × 106 67 746 = 15.239 CD- F4	
· Sand-	

Trepared, Tirrunged and domposed by. Tisad Iqual
JUM:-
in the second se
i) Coment:
7-12.56 +129.79 + 83.27 + 13.99 + 15.204
= 254.814 CU. Ff
No. of bags of Cement = 254.814 = 204 bags
[204 bags] Ans.
Sand:
=> 50·26 + 259.59.+ 55·9846+ 91.43+499-62
3/2. = 959.63 Cu. Ft (975 Cft)
Crush - (Aggregel)
=> 100.52 + 519.19.
= 619.71 Cu. F1 [625 c. 84]
or 625 cu. ft 400
Bricky .
20653.83 boids. 20653-83
Ans Ans
Y The second sec

243.64 49:

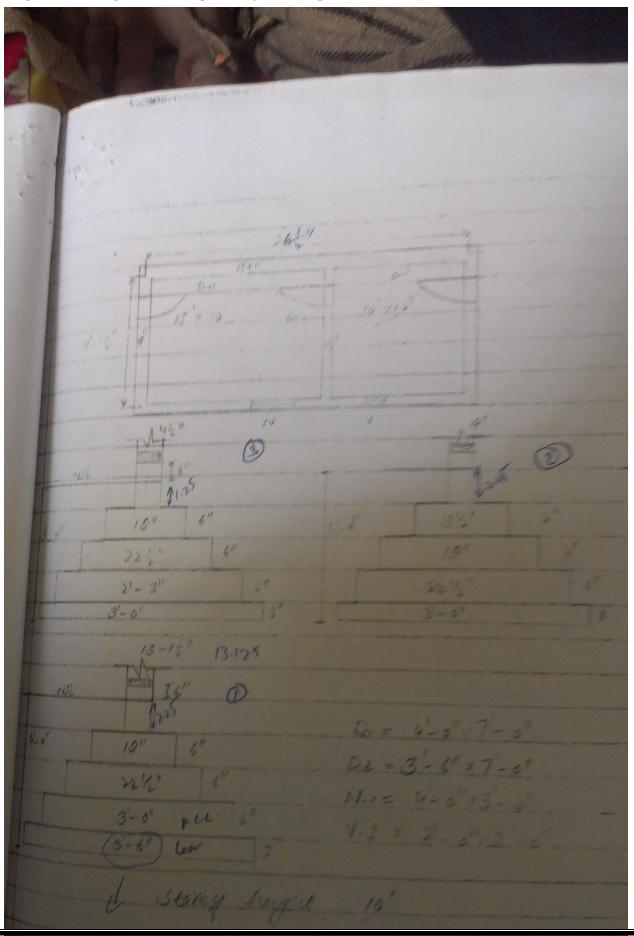
- ES IAI OF Bim	Boy also Removement
Estimation of Rein	forcing Steel:-
i) Main Steel:- #4@7"c/c	No. of Barg :- Clear Space 2/1 Space
2/35 /15-0" 2/35 /15-0"	19'9" +1 7" >>
NOW 1050' X . 3020 Kg/ft	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
[317.14.Kg.]	·666 = 3020 48/fi
ii) Distribulion Steel:	1 NO of Bars. 01/1/
2/21/20'-0"= 840' Converting	Cler span +1
Now 840' x. 170 48/51 = 142.81 Kg	14'-6" +1 => 21 402 9".
(142.81 kg)  (142.81 kg)  (142.81 kg)	3×3 => ·375 => ·1/4  2·2048 V) Bi
* 4 @ 6 ü e/c	/+ No. of Boss.
- 826 3 => 15'=> 5'	Clear spains +1 .2/8/15  8 pains => 24
= 360.012 kg	1. 19.9 +1 5 41 =7
	( 4x4 => . 3020 18/5

1: #. 4 @ 6" C/C = : 1: NO. 95 Bass
,
2/1/30/6.66 Cles Span +1.
(a) (a) (b)
space = 400' 14.5' +1 => 30
=> 400 x. 3020 Ka/SA 14'6"
2 35 Converting Factor)
1 = 120.8 kg [120.8 kg].
10 ×8/17 # 4 @ 6" c/e ==
1 MO 05 P 3
3. 01/1/30/13.3' 3 clear span +1
3 400' Spaing +1
11 =5 21 400 14 -
2 0.17
120.8 Kg [120.8 Kg]  20/44 IV) Binder Book [120.8 Kg]
120.8 18 12 12 12 12 12 12 12 12 12 12 12 12 12
# 3@ 12" c/c 12. At Start
+1 . 1/2/
240 x. 170 tg/s
91 = 40.8 Kg
140,2 vol 7.66'= 20
$\begin{pmatrix} 3 \times 3 \\ 24 \end{pmatrix} \rightarrow 375$

#3@12" c/c : 1 No. 05 Badg :- Su
12/6/20 5'+1 => 6 1
12"
3 480' D# E
480' X. 170 48/51
=> 813,872 Kg 81.6 Kg
#3@12" 0/0
com/ walls / No. of Bos/ Long th of Bors Cler Span 71 3 :
2/1/15/15 Spac -
=> 225' 13.3' +1 => 14.33 Ma
225/4 17n = 3805K2
128.25 Ve) #3
[30.20 %] #4 Total:
" Corvisi faile #3.
> # 4
.3025 1895

Tepareu, Arrangeu anu Composeu byAsau Iqbai
6. Jummer :-
Ban. Name Bor Dia. Weight. (Total)
Main Bars. # 4  Digitalism Bars. # 3  Extra Bars. # 4  Zu7.64  240-012 + 125.8 + 120.8
Binder Bars, #3 40.8 49+81.6+38.25=> 160.65
Material Demand:
#3 #3 Weight.
#4  317.14 + 506.6 => 823.74 kg  823.74 kg

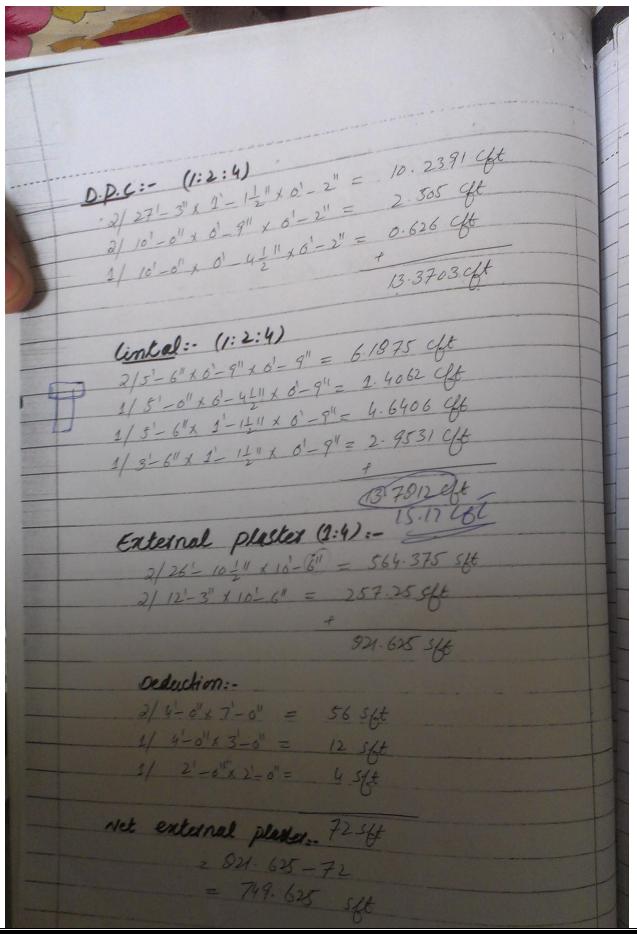
Trepared, Tirranged und domposed by. Tisud Iqual
Box Binding Shedule:- eni  NO. of Box 7 Levy 12 = Total
#4 @ 7" 15'-0" 35+2=70 Figure. Remark. Total 13" Man Steel. 317.415
#3@9" 40'-0" 210 10 39'6" Distorbulur 11 142.8  #4@6" 5"-0" 14A 11 11 4'9" Eaten Bars. 260.28  #4@6" 6.66 (1) (1) 30 42 = 60 7 3"   6.4' Eaten Bars 125.51
#4@6" 13.3' 30 v 3"
8 #3@12" 15 15 1 3" L 14:6" Binder Ban 38.29
#3 & Total length = 1785'  #4 & Total length = 2726.2'  And Total Weight = 1127.63 kg
du f
7



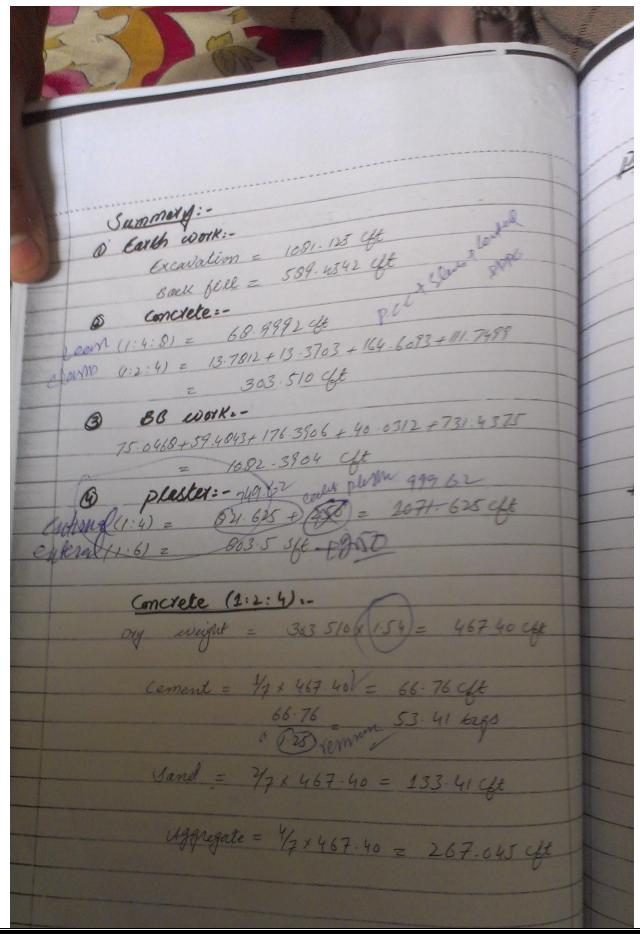
Tepared, firranged and do			
	Length & wall 40.	Long of Shore wal o'-9" -) 11-1-1"	14 length & chart 4-11  (1) 11-1-11
12m (1:4:8). 3-6"  Pu	29-72"	7-72"	7-7="
3'-0' BS WORK ISIS  1'-10 1"  2nd Step	281	9'-3"	9'-3'
36 below NSI  13 1/2 11  BB above PAR	27'- 71/2"	101	10
13.24	27-3"	101	10
21	avalim:-	1-6" x 4'-0"	= 829.5 qt 183 qt
2/	7'-7½" x 3- 7'-7½" x 3'-	0" x 4'-0" = 0"x 3'-0" =	68.62 de + 1081-125
			100

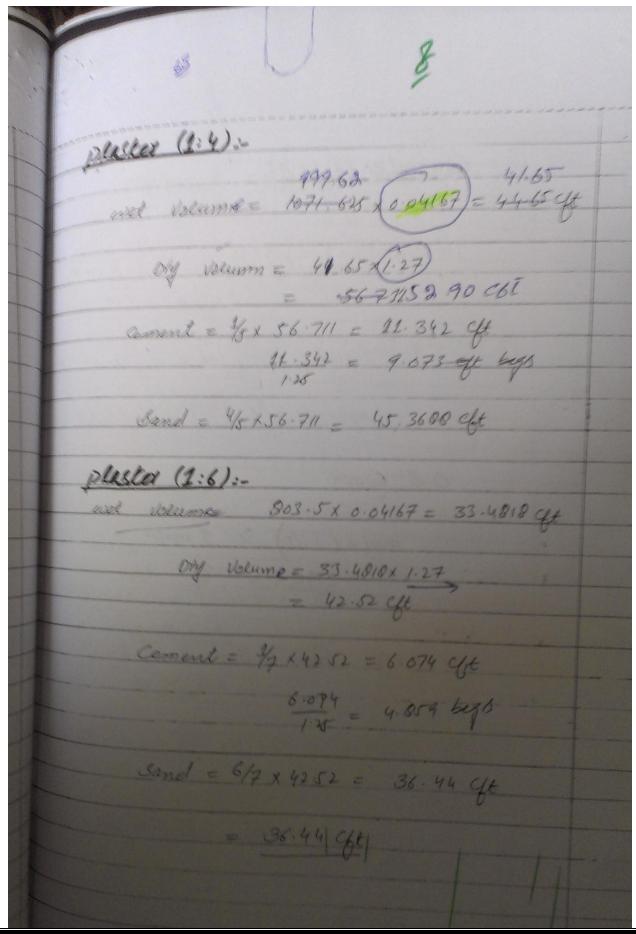
Prepared, Arranged and Composed by:-Asad Iqbai				
and the same				
SAME				
河,				
. 1				
9 21	lean (1:4:8)			
3 Short	1 2111 2 111 2 3" = 51-043 cft 4w			
4511	2/29'-7½" x 3'-6" x 0'-3" = 51-043 cft 4w			
1/21	$\frac{2}{2} \frac{7}{7} \frac{7}{2} \frac{1}{4} \times \frac{3}{3} \frac{1}{2} = \frac{11.4375}{4} \frac{1}{4} \frac{5}{4} \frac{1}{4} $			
	1/7-71/2" x 3'-0" x 0'-3" = 5-7107 Cft			
フェル				
	60, 899)			
-	P.C. C (1:2:4)			
11 1	2/29'-1=" x3-0" x 0'-6" = 87.375 Gt 4w			
-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
1-31	2/0'-1+11 x 1'-101/2" x 0'-6" = 15.2343 cft 9/w			
-3	2/8'- 1="X 2'-3" X 0'-6" = 9.1406 yt 5/10			
- 7/2	BB WORK First Step: - 111.7499 cft			
	2/28-0" x1-101/2" x 0-6"= 52.5 gt			
10'	2/ 9'-3" x 1'-6" x 0'-6" = 13.875 cft			
	1/9'-3"x1'-10"/2" x0'-6" = 8-6718cft			
10				
	75-046 OCK			
	BB WOLK and Step:-			
	2/27'- 7-1"x 1'-6"x 0'-6" = 41.4375 cft			
	$2/9'-7'/2''\times 2'-1-1''\times 0'-6''=10.8281$ eft			
29.5 4	1/9'-7'2" x 1'-6" x 0'-6" = 7-2187 gt			
93 gt +				
	59.48439t			
62 de 1	BB WHK below NSL:-			
/				
21.225	$2/27'-3" \times 1'-12" \times 2'-3" = 137.4531$			
1	$\frac{2}{10'-5''} \times 0' - 9'' \times 2' - 3'' = 33.75$			
	1/ 10'-0" x 0'- 4=" x1'-3" = 4.6575			
	176 3906 C/E			
The second second				

Turner and the second s
Backfill:- = 1081.125 - 491.67
= 589-4542 cft
2 001-10 10 pp :-
BB WOIK GW NSL & OPE:-
$2/27-3'' \times 1'-11'' \times 6'-6'' = 30.6562 GG$
$\frac{2}{10^{2}-0^{11}} \times \frac{0^{2}-9^{11}}{10^{2}-0^{12}} \times \frac{0^{2}-6^{12}}{10^{2}-6^{12}} = \frac{7.5}{10^{2}} = \frac{1}{10^{2}-6^{12}}$
$\frac{1}{10'-0''} \times 6'-4\frac{1}{2} \times 0'-6'' = 1.975 \text{ G/t}$
40-0312
BB work above DPc:-
$\frac{2}{27^{2}} \frac{3^{11}}{3^{11}} \times \frac{1}{1} \frac{1}{2} \times \frac{10^{11}}{3^{11}} = 613.125 \text{ Get}$
$\frac{2}{10} - 0'' \times 6' - 9'' \times 16' - 0'' = 150 \text{ GHz}$
1/10'-0" x 0'-4="x10'-0" = 37.5 cft
800.625 GE
Deduction:-
2/4'-0" x 7'- 8' x 6'-9" - 42 9/t
1/3'-6" x 7'-0" x 0'-4'= 9-1875 oft
1/4-0"x3'-0"x1'-1\frac{1}{2}"= 13.5 Cft
1/2'-0" x 2'-0" x 1'-1-11" = 4.5 Gt
x += 12 = 4.0 gc
69.1875 ye
Net 88 WOLK
800.625 - 69.1875
= 731.4375 Cft



Toparoa, mango	and domposed by. Asad Iqbai
Comment	the state of the s
17.	
	a tour a - another (a. 1)
J	Internal plaster (2:6):-
	2/25'-0" x 10'-0" = 560 Sft
	4/10'-6" x 10'-0" = 400 Sft
	900 Stot
	Deduction:-
	$2/4'-0" \times 7'-0" = 5656$
	1/3'-6" x 7'-0" = 24.5 sfet
	$2/4-611 \times 31-611 = 12 \text{ Sft}$
	1/2'-0" x 2'-0" = 4 sft
	1
	96.5 Sft
	net internal acceta
	Net internal plaster:-
	2 900 - 96.5
	2 803 5 S/gt
-	
	Ceiling Plastet:- (1:4)
-	$\frac{1}{15^{-0}} \times 10^{-0} = 150 \text{ sft}$
	1/10'-0"x 10'-0"= 100 5ft
1	250 S/St
1	Concrete roof Wabe: - (1:2:4)
1	211 111 11 (211 11 - 164.6093 (1)
A	$26'-10\frac{1}{2}   \times 12^{1}-3   \times 0^{1}-6   = 164.6093 \text{ G/s}$
1	
1	
1	





TANK THE RESERVE TO THE PARTY OF THE PARTY O	
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
	, ,
	-
	-
	-
Concrete (1:4:0):-  Ory waged = 68.9992 × 1.54 = 106.25 cg	-
Dry wages 0.173 CH	-
Cement = 1/13 : 106 : 15 = 0 : 173 cft  Cement = 1/13 : 106 : 15 = 6 : 539 bigs	-
Cement = 1/13 1 106.15 = 0.173 cft  0.173 = 6.539 bigs  1.28	
125	
Sand = 413 x 106.25 = 32.69 Gf	
Aggregate z 3/13 × 106.25 = 65.38 Gt	
aggregate z 1/3 × 100 °	
BB WOIK  NO 9 Bricks = 1082-3864 + 135 = 14613	
	-
wet wolun 9 mortes	4
0.3× 108239 = 324.717	
ory volum = 324717 x 2 27	×
= 412 39 94	
	-4
Coment = 4x 412 39 = 50 92 9	
58.92 42 12 1086	4
50.92 = 47.13 bagb	
Sand = 6/7 × 412 39 = 353.4779	
14 £ 112.31 = 353.477.7	

i repareu, m	Tangeu anu Composeu byAsau iquai	
	**************************************	
The state of		
	Material demond:	
	, t	
5 25 4	Cement	
6	24.859+7.073+47.13+6.538+53.418	
CH	= 121.02	
500	Sand /	
segs s	Sana V	
	2 36.44 + 45.3608 + 353.477 + 32-69+135-52	
9 04		
9 4	= 603-495 Gt	
	Creish	
38 gt		
6	2271.049 + 65.30	
	= 336.429 Cft	
	Bricks	7, 1
= 1460	14613	
14		
	+ NO 9 BriCKS =	
717		
-	14650	
-	* Aggregate =	
1	44 4	
	350 cft	
	* Sand =	
		1000
- 4	625 Gt	
9/2 8	* cement =	
13 best		
3-71	122 bags	
-		
13.422		
13.1		
1		
1		
A STATE OF THE STA		