



রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচসি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ

“ILGUS BHAVAN”, HC Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

SUDA-50/2016 (Pt-III)/ 1834

10.09.2020

From : Finance Officer, SUDA

To : Chairman/Administrator/Executive Officer
Beldanga/ Diamond Harbour/Coopers Camp NAA

MEMORANDUM

Sub: Release of fund to 03 ULBs towards public Toilet under Swachh Bharat Mission (U)/ Mission Nirmal Bangla (U)

Sir/ Madam,

Fund released to 03 nos. of ULBs for Public Toilet under Swachh Bharat Mission (U) / Mission Nirmal Bangla (U), details of which is given below: -

Sl. No	Name of ULB	Amount in Rs.	Name of Bank	Branch Name	Account No.	IFSC Code
1	Beldanga	7,68,000/-	Union Bank of India	Beldanga	742602010003329	UBIN0574261
2	Diamond Harbour	72,80,000/-	Bandhan Bank	Diamond Harbour	50160001696665	BDBL001086
3	Coopers Camp	46,03,032/-	ICICI Bank Ltd	Ranaghat	161001000694	ICIC0001610

Yours Faithfully

Finance Officer, SUDA

দূরভাষ: ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স: ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : wbsudadir@gmail.com

Account Section : 2358 6408

0/c



রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

‘ইলগাস ভবন’, এইচসি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ

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Yours Faithfully

Finance Officer, SUDA

দূরভাষ: ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স: ২৩৫৮ ৫৮০০

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“ইলগাস ভবন”, এইচসি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ

“ILGUS BHAVAN”, HC Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

SUDA-95/2018 (Pt.-I)/

26.08.2020

From : Director, SUDA

To : The Branch Manager,
Axis Bank Ltd.,
Salt Lake, Sector-II Branch,
BJ-110, Sector-II,
Salt Lake City, Kolkata - 700 091.

**Sub : Electronic Transfer of Fund debiting this office
Current Account No.916010072244925.**

Public Toilets - SBM

Sir,

You are requested to kindly arrange for electronic transfer of funds as per details given in Page-2 debiting the amounts from this office Current Account No.916010072244925 lying with your branch in respect of Swachh Bharat Mission (SBM).



(Petrus Anuranjan Soreng)
Finance Officer
SUDA



(Goutam Hore)
Finance Officer
SUDA



দূরভাষ: ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স: ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : wbsudadir@gmail.com

Account Section : 2358 6408

-02-

Sl. No	Name of the ULBs	Amt. In Rs.	Name of the Bank	Branch Name	Account No.	IFS Code
1	Beldanga Municipality	7,68,000.00	Union Bank of India	Beldanga	742602010003329	UBIN0574261
2	Diamond Harbour Municipality	72,80,000.00	Bandhan Bank Ltd.	Diamond Harbour	50160001696665	BDBL0001086
3	Coopers Camp N.A.A.	46,03,032.00	ICICI Bank Ltd.	Ranaghat	161001000694	ICIC0001610
Total		1,26,51,032.00				

(Rupees One Crore Twenty Six Lakh Fifty One Thousand Thirty Two only)



(Petrus Anuranjan Soreng)
Finance Officer
SUDA



(Goutam Hore)
Finance Officer
SUDA



Note No. #1**Sub: Revised Proposal for release of fund for construction of Public Toilet (PT)**

A. SUDA vide memo no. SUDA-95/2018/9722(3) dated 04.03.2020 approved fund of Rs.14,70,000/- for 6 Public Toilets Blocks with 15 Toilet Seats to Beldanga Municipality. Now, the Chairperson, Board of Administrator, Beldanga Municipality vide letter no. 71/BOA/II-9/2020 dated 09.06.2020 **(placed in hard file)** submitted the revised vetted estimate where it is observed that for the above mentioned 6 PT Blocks there are requirement of 15 Toilet Seats and 24 Urinal Seats. He has requested to approve the 24 urinal seats and allot fund of **Rs.7,68,000/-** (@Rs.32,000/- per urinal seat). Now, **Rs.7,68,000/-** for 24 Urinal seats may be approved for Beldanga Municipality.

B. The Executive Officer, Diamond Harbour Municipality vide letter no. 114/Latrine/ DHM/20 dated 17.03.2020 **(placed in hard file)** submitted the vetted estimate and requested for providing approval of 20 Public Toilets with 56 toilet seats and 56 urinal seats with a total cost of Rs.74,49,772/-. The details are given below:

No of Toilet Blocks	No of toilet seats	No of urinal units	Fund requested by ULB	Fund may be approved for toilet seat @Rs.98000/- per seat	Fund may be approved for urinal units @Rs.32000/- per seat	Total fund may be released as per MNB norms
20	56	56	74,49,772	54,88,000	17,92,000/-	72,80,000/-

The ULB will bear Rs.74,49,772 – Rs.72,80,000 = Rs.1,69,772 from their own fund.

C. The Chairman, Coopers Camp N.A.A. vide letter no. 30/ccnaa/others dated 02.06.2020 **(placed in hard file)** submitted the vetted estimate and requested for providing approval of 18 Public Toilets with 36 toilet seats and 36 urinal units with a total cost of Rs.46,03,032/-. The details are given below:

No of Toilet Blocks	No of toilet seats	No of urinal units	Fund requested by ULB	Fund may be approved for toilet seat	Fund may be approved for urinal units	Total fund may be released as per MNB norms
18	36	36	46,03,032/-	35,28,000/-	10,75,032/-	46,03,032/-

Placed for approval

If approved, total Rs.1,26,51,032/- only may be released to above mentioned 3 ULBs for Public Toilet construction as detailed below:

Name of ULB (PT/Urinal)	Gol share @ Rs.		State Share @ Rs.		Additional State Share @ Rs.		Total Fund to be released @ Rs.		Total (Rs.)
	Toilet seat	Urinal unit	Toilet seat	Urinal unit	Toilet seat	Urinal unit	Toilet seat	Urinal unit	
Beldanga	0	307200	0	102400	0	358400	0	768000	768000
Diamond Harbour	2195200	716800	731733	238933	2561067	836267	5488000	1792000	7280000
Coopers Camp NAA	1411200	430012.8	470400	143338	1646400	501682	3528000	1075032	4603032

Total	3606400	1454013	1202133	484671	4207467	1696348	9016000	3635032	12651032
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30/07/2020 4:05 PM

SUJAY MITRA
(CHIEF MNGR(PM)(SUDA))

Note No. #2

please place the available fund status , both Central & State share in the event of these requirement is met up

30/07/2020 4:19 PM

AMITAVA DAS
(DD(ADMN)(SUDA))

Note No. #3

Fund will be provided from SBM (U).

30/07/2020 5:55 PM

SUJAY MITRA
(CHIEF MNGR(PM)(SUDA))

Note No. #4

As proposed, may kindly be approved

31/07/2020 6:24 PM

AMITAVA DAS
(DD(ADMN)(SUDA))

Note No. #5

Note#1 may kindly be seen.

Prior to according approval for construction of PTs , the ULBs may submit an operation and maintenance plan for the proposed PTs or else they will never be maintained.

01/08/2020 6:07 PM

JOLY CHAUDHURI
(AD DIR(SUDA))

Note No. #6

Agreed with the observation made by Additional Mission Director.

But these proposed cases are long pending due to lockdown etc and respective Chairpersons/Administrators have approached even Hon'ble MIC several times for

immediate release.

Hence, we may agree to release the fund of PT in favour of 3 noted ULBs amounting Rs 1,26,51,032/-. In the meanwhile we may seek the maintenance plan from ULBs before physical release of fund from SUDA.

Placed for kind approval.

01/08/2020 10:14 PM

SANTANU MUKHERJEE
(DIR(SUDA))

Note No. #7

02/08/2020 9:22 AM

KHALIL AHMED
(PRSECY(UDMA))

Note No. #8

03/08/2020 5:07 PM

FIRHAD HAKIM
(MIC(UDMA))

Note No. #9

03/08/2020 5:09 PM

KHALIL AHMED
(PRSECY(UDMA))

Note No. #10

03/08/2020 7:04 PM

SANTANU MUKHERJEE
(DIR(SUDA))

Note No. #11

Approval of Hon'ble MIC at Note#8.

Please put up a draft letter to the ULBs.

03/08/2020 7:49 PM

JOLY CHAUDHURI
(AD DIR(SUDA))

Note No. #12

As approved, we may release the fund for construction of PT to Beldanga, DH and Coopers Camp NAA and at the same time we may seek the maintenance plan before physical release of fund from our end. please put up a draft accordingly

10/08/2020 1:58 PM

AMITAVA DAS
(DD(ADMN)(SUDA))

Note No. #13

Please refer note#12 above and take necessary action.

12/08/2020 7:26 PM

GOUTAM HORE
(FO(ACCT)(SUDA))

Note No. #14

Letter for 3 ULBs attached at CP-1 and sent to them for submission of operation and maintenance plan.

17/08/2020 1:26 PM

SUJAY MITRA
(CHIEF MNGR(PM)(SUDA))

Note No. #15

Please process.

17/08/2020 6:26 PM

GOUTAM HORE
(FO(ACCT)(SUDA))



রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচসি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ

“ILGUS BHAVAN”, HC Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

No. SUDA-95/2018/1253(3)

Date. 17.08.2020

To
The Chairperson, Board of Administrator,
Beldanga/ Diamond Harbour/ Coopers Camp Municipality


Sub: Request for submission of an operation and maintenance plan for the proposed Public Toilets (PT) prior to according approval for construction of PTs

Madam/Sir,

In response to your proposal for construction of Public Toilets vide memo no. 71/BOA/II-9/2020 dated 09.06.2020 (Beldanga), 114/Latrine/ DHM/20 dated 17.03.2020 (Diamond Harbour) and 30/ccnaa/others dated 02.06.2020 (Coopers Camp), I am directed to request you to submit an operation and maintenance plan for the proposed Public Toilets (PT) prior to according approval for construction of PTs.

You are requested kindly to submit the same within 21.08.2020 to SUDA in the e-mail ID: sbm.wbsuda@gmail.com positively for further action.

Yours faithfully,

 17.08.2020.
Director

দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : wbsudadir@gmail.com

Account Section : 2358 6408

Office of the councillors of
COOPERS CAMP NOTIFIED AREA AUTHORITY.

Memo no. 30/ccnaa/others

Date:- 2/06/2020

To,
The Director, SUDA.

Sub:- Prayer for sanction of fund for construction of C.T and P.T
under MNB(U)/ SBM(U)

Sir,

In connection with the subject noted above I am submitting herewith the project of CT/PT duly vetted by the Executive Engineer, Nadia Division M.E.D.

Details of project given below:-

Name of project	No. of units.	Toilet seat	urinal Seat	project cost/unit (Rs.)	Total (Rs.)
✓ 3. Public toilet	18	36	36	255724.00	4603032.00
4. Community toilet	03	06	06	255724.00	<u>767172.00</u>

Total project cost Rs. 5370204.00

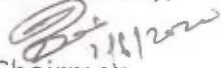
I, therefore, request you to please sanction the amount of Rs.5370204.00 (Rs. fifty three lakh seventy thousand two hundred four only) as early as possible so that we can start the project early.

Thanking You,

Enclosed:-copy of memo No.

2. ME/KNR/18/1S-322/2017 Dt.29/5/2020
2. ME/KNR/19/1S-322/2017 Dt.29/5/2020
3. vetted estimate copy of the project

Yours faithfully,


Chairman,

Cooper's Camp Notified
Area Authority.

SIBU BAIN
Chairman

Cooper's Camp Notified
Area Authority

841
16/05/2020
GOVERNMENT OF WEST BENGAL
OFFICE OF THE EXECUTIVE ENGINEER
NADIA DIVISION
MUNICIPAL ENGINEERING DIRECTORATE
MUNICIPAL AFFAIRS DEPARTMENT



পশ্চিমবঙ্গ সরকার
নির্বাহী বাস্তবকারের কার্যালয়
নদীয়া ভুক্তি
পৌর কারিগরী দপ্তর

15, D. L. Roy Road, Krishnagar, Nadia PIN- 741101. Phone: (03472) 252352. Email: eemed_krishnagar@yahoo.in

Memo No. ME/KNR/19 /1S-322/2017

Dated: 29/05/2020

From : Executive Engineer
Nadia Division
M.E.Dte.

✓ To : The Chairman
Cooper's Camp NAA
Nadia

Sub: - Vetting of estimate for the work "Construction of Public Toilet under Swachh Bharat Mission/Mission Nirmal Bangla in ward no. 01, 02, 03, 04, 05, 06, 07, 08, 09, 10,11 & 12 within Cooper's Camp N.A.A.

Ref: Memo no. 122/CCNAA dated 11.03.2020.

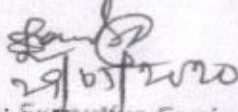
Sir,

In inviting reference to the above noted subject and memo I am sending herewith 18 (eighteen) nos. estimate (two copies each) for the above noted work within Cooper's Camp N.A.A. duly vetted from this end based on PWD (WB) schedule of rates for Sanitary and Plumbing Works effective from 1st November, 2017 along with latest Corrigenda and Addenda for an amount to the tune of Rs. 4603032.00 (Rupees Forty six lakh three thousand and thirty two only).

This is for your kind information and necessary action please.

Encl. : As stated above

Yours faithfully,


Executive Engineer
Nadia Division, M.E.Dte.
Dated: 06.12.2019

ME/KNR /19 / 1 (1) /1S-322/2017

Copy forwarded for information to:-

1. The Superintending Engineer (East Circle), M.E.Dte., AB-30/1, Prafulla Kanan (West), Krishnapur, Baguiati, Kolkata - 700101.

Executive Engineer
Nadia Division, M.E.Dte.

ABSTRACT

PUBLIC TOILET(P.T) UNDER SWACHH BHARAT MISSION /MISSION NIRMAL BANGLA OF CCNAA


SL NO	DESCRIPTION OF ITEM	AMOUNT
01.	Estimate for construction of gents and ladies toilet and latrine near Agrani Sangha at ward no -1 under Copper's Camp Notified Area authority.	250952.00 255,724.00
02.	Estimate for construction of gents and ladies toilet and latrine near Maa Karunamoyee burning ghat at ward no -2 under Copper's Camp Notified Area authority.	250952.00 255,724.00
03.	Estimate for construction of gents and ladies toilet and latrine near Samaj Kalyan Maidan at ward no -3 under Copper's Camp Notified Area authority.	250952.00 255,724.00
04.	Estimate for construction of gents and ladies toilet and latrine near karunamoyee mandir at ward no -3 under Copper's Camp Notified Area authority.	250952.00 255,724.00
05.	Estimate for construction of gents and ladies toilet and latrine near Manasha mandir at ward no -4 under Copper's Camp Notified Area authority.	250952.00 255,724.00
06.	Estimate for construction of gents and ladies toilet and latrine near Mitali Sangha park at ward no -5 under Copper's Camp Notified Area authority.	250952.00 255,724.00
07.	Estimate for construction of gents and ladies toilet and latrine near Ujjal Sangha at ward no -6 under Copper's Camp Notified Area authority.	250952.00 255,724.00
08.	Estimate for construction of gents and ladies toilet and latrine near market(Gopalnagar Road) at ward no -7 under Copper's Camp Notified Area authority.	250952.00 255,724.00
09.	Estimate for construction of gents and ladies toilet and latrine near Veg Market at ward no -7 under Copper's Camp Notified Area authority.	250952.00 255,724.00


	Estimate for construction of gents and ladies toilet and latrine near Autostand Municipality Building at ward no -7 under Copper's Camp Notified Area authority.	250952.00- 255,724.00
11.	Estimate for construction of gents and ladies toilet and latrine near Coppers' Maa Karunmoyee mandir at ward no -7 under Copper's Camp Notified Area authority.	250952.00- 255,724.00
12.	Estimate for construction of gents and ladies toilet and latrine near Fish market Coopers' bazar at ward no -7 under Copper's Camp Notified Area authority.	250952.00- 255,724.00
13.	Estimate for construction of gents and ladies toilet and latrine near Rickshaw stand Bidhanchandra playground at ward no -8 under Copper's Camp Notified Area authority.	250952.00- 255,724.00
14.	Estimate for construction of gents and ladies toilet and latrine near Panchesekher more at ward no -9 under Copper's Camp Notified Area authority.	250952.00- 255,724.00
15.	Estimate for construction of gents and ladies toilet and latrine near 2 no railgate at ward no -10 under Copper's Camp Notified Area authority.	250952.00- 255,724.00
16.	Estimate for construction of gents and ladies toilet and latrine near pond(Ujjal Sangha) at ward no -11 under Copper's Camp Notified Area authority.	250952.00- 255,724.00
17.	Estimate for construction of gents and ladies toilet and latrine near Community Hall at ward no -12 under Copper's Camp Notified Area authority.	250952.00- 255,724.00
18.	Estimate for construction of gents and ladies toilet and latrine near Vivekananda Club at ward no -12 under Copper's Camp Notified Area authority.	250952.00- 255,724.00
Total Rs.		4517136.00

May be vided


Executive Engineer
Nadia Division M.E. Dept.
Deptt. of M.A. W.B

46,03,032.00


Sub Assistant Engineer
Cooper's Camp Notified
Area Authority


28.05.2020
Junior Engineer (Civil)
Nadia Division
M.E. Deptt. of M.A. Deptt.
Govt. of West Bengal


28/5/2020
Assistant Engineer
Nadia Division
M.E. Deptt., M.A. Deptt.
Govt. of West Bengal


Chairman
Cooper's Camp Notified
Area Authority

Estimate for construction of gents and ladies toilet and latrine near Agrani Sangha at ward no -1 under Copper's Camp Notified Area authority.

SL NO	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm.P.C.S.(Building), page-1,item-2(a)	4.67	% cum *	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref-P.C.S.(Building), page-14,item-1	7.47	M ²	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M ³	4224.25	3155.51
4.	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor.page-16, item-16	15.39	M ² *	671.53	10334.85
5.	Brick work with 1 st class bricks in cement mortar (1:6) pro a) in foundation & plinth.page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6.	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes page-26, item-10.	1.63	M ³	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, strirups,binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape ,placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT *	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column & lintel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M ²	330.00	4550.70

BIF = 47917.46

	25 mm to 30 mm thick etc. page-42, item-36(a).				
9.	plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary. page-189, item-1 10 mm thick (1:4) 15 mm thick (1:6) 20 mm thick (1:6)	8.64 49.75 51.85	M ² M ² M ²	125.55 122.55 161.73	1084.75 7723.193042 8385.70
10.	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - 1 : Building Works w.e.f. 01/11/2017, Item No.-14, Page No. - 125 i.25 mm thick	8.00 6.00	M ²	2581.00	20648.00 15486.00
11.	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the existing work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or bt synthetic adhesive & grout materials etc. B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M ²	741.00	16620.63
12.	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i)Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

13) supplying fitting & fixing fibre reinforced polymer (FRP) composite door frame as per approved section up to glass fibre reinforced plastic moulded skins and a special sandwich core so as to impart monolithic composite structure as per approved technology of department of science & Technology (DST) to satisfy IS:4020 door test paper
kafon (3-3, 89-113)
i) 66 mm x 90 mm

20.00	mtr	497.00	9940.00
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106476.65

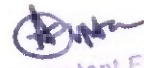
	iii) ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M ²	138.00	99.36
		11.52	Kg	94.00	1082.88
4	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M ² *	38.00	2896.36
5	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M ²	78.00	5945.16
6	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M ²	29.00	20.88
7	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ² *	57.00	41.04
8	Artificial stone in floor, dado etc. with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement... using cement @ 1.75kg/m ² all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M ²	226.28	3057.04
19	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each	5128.00	5128.00
20	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore for depth upto 150 m	47.48	Mtr*	90.00	4273.20

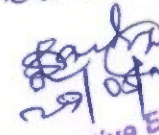
	a) 10 mm dia boring etc. top enlargement page-49, item-1(d)(ii)				
21	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i), page-54	1	Each	1596.00	1596.00
22	Supply of G.I. pipe of "TATA" make including socket 40mm dia item-1(e)(ii), page-102 (ii) <i>medium quality</i>	55.00	Mtr	291.00	16005.00
23	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand) page-06, item-7(a)(i)	10.00	Each	539.00	5390.00
24	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00	3958.00
25	Supplying, fitting and fixing flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position. wooden blocks complete (ii) corner urinal 440mm X 345 mm X 250 mm Item-6(iii), page-80	1	Each	1167.00	1167.00
26	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b) with S trap Item-3(b), page-79	2	Each	3287.00	6574.00
27	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid separately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00	881.00

27	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
28	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6, page-52	5.48	Mtr	293.00	1605.64
30	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 i 75 mm dia c) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm <i>vent-cowl</i> (a) 75 mm	3.00 1.00	Mtr Nos	196.00 25.00	588.00 25.00
32	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	<p>clamps complete.</p> <p>PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No.- 81</p> <p>i) Polythene Flush Pipe</p>				
35	<p>Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145</p> <p>(a) With continuous plate base (Hexagonal/ Round rod) (iv) 125 mm grip x 10 mm dia rod.</p>	8.00	Each	95.00	760.00
36	<p>i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. 10, Page No. - 141</p> <p>(b) 250mm long.</p>	8.00	Each	159.00	1272.00
37	<p>Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140</p> <p>(viii) 100mm. X 75mm. X 3.50mm.</p>	16.00	Each	66.00	1056.00
38	<p>Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming,</p>	1	Each	45953.00	45953.00

<p> dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm. Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470, Part-I. Payment will be made separately on the basis of actual height based on relevant IS code ii) For 20 users A) With Pakur variety. (SAIL/TATA/RINL) page-88, item-3(ii)(A) </p>			
<p>Rs 219,543.21</p>		Rs.	219543.21
<p>Rs 26,345.19</p>		Add 12% G.S.T	25853.55 26345.19
<p>Rs 245,888.40</p>		Rs	241299.84
<p>Rs 2458.88</p>		Add cess 1%	2412.99
<p>Rs 7,376.65</p>		Add contingency 3%	7238.99
<p>Rs 255723.93</p>		Rs	250951.82
<p>Rs 255724.00</p>		Say of Rs.	250952.00


 Sub Assistant Engineer
 Cooper's Camp Notified
 Area Authority

Vetter

 29/05/2020
 Executive Engineer
 Nadia Division M.E. Dte
 Deptt. of M.A. W.B


 Chairman
 Cooper's Camp Notified
 Area Authority


 28.05.2020
 Junior Engineer (Civil)
 Nadia Division
 M.E. Dte., M.A. Deptt.
 Govt. of West Bengal


 28/5/2020
 Assistant Engineer
 Nadia Division
 M.E. Dte., M.A. Deptt.
 Govt. of West Bengal

Estimate for construction of gents and ladies toilet and latrine near Maa Karunamoyee burning ghat at ward no -2 under Copper's Camp Notified Area authority.

SL NO	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A) Depth of excavation not exceeding 1500mm. P.C.S.(Building), page-1, item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref- P.C.S.(Building), page-14, item-1	7.47	M ²	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro. page-23, item-1(a).	0.747	M ³	4224.25	3155.51
4.	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor. page-16, item-16	15.39	M ²	671.53	10334.85
5.	Brick work with 1 st class bricks in cement mortar (1:6) pro a) in foundation & plinth page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6.	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes. page-26, item-10.	1.63	M ³	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii. JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with required bracing for concrete slab beam & column & timber curved or straight including fitting, fixing and	13.79	M ²	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a).				
9	plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary. page-189, item-1 10 mm thick (1:4) 15 mm thick (1:4) 20 mm thick (1:6)	8.64 49.75 51.85	M ² M ² M ²	125.55 155.24 161.73	1084.75 7723.19 8385.70
10	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - 1 : Building Works w.e.f. 01/11/2017, Item No.-14, Page No. - 125 i.25 mm thick	8.00 6.00	M ²	2581.00	20648.00 15486.00
11	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the existing work and 4 nos. of key stones (10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. B.wall with cement mortar (1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M ²	741.00	16620.63
12	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i) Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

	in/h ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M ²	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M ² *	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M ²	78.00	5945.16
15	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M ²	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ² *	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete(1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement... using cement @ 1.75kg/m ² all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M ²	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pgg-37, item-6(b)	1.00	Each	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore. for depth upto 150 m	47.48	Mtr*	90.00	4273.20

	a) 10 mm dia boring etc top enlargement page-47, item-1(d)(ii)				
20	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i), page-54	1	Each	1596.00	1596.00
21	Supply of G.I. pipe of "TATA" make including socket 40mm dia. item-1(e)(ii), page-102	55.00	Mtr	291.00	16005.00
22	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand). page-06, item-7(a)(i)	10.00	Each	539.00	5390.00
23	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00	3958.00
24	Supplying, fitting and fixing flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position. wooden blocks complete (iii) corner urinal 440 mm X 345 mm X 250 mm Item-6(iii), page-80	1	Each	1167.00	1167.00
25	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b) with S trap Item-3(b), page-79	2	Each	3287.00	6574.00
26	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00	881.00

27) Supplying, fitting & fixing fibre reinforced Polymer (FRP) capacity door frame as per approved section with glass fibre reinforced plastic moulded skins and a special sandwich inter (3-33, 29-115)
i) 66 mm x 90 mm

20.00	mtr	497.00	9940.00
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27.	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
29	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6, page-32	5.48	Mtr	293.00	1605.64
30	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 i. 75 mm dia c) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm (a) vent end 75 mm	3.00	Mtr	196.00	588.00
		1.00	Nos	25.00	25.00
32	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR : white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	<p>clamps complete.</p> <p>PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No.- 81</p> <p>i) Polythene Flush Pipe</p>				
35	<p>Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145</p> <p>(a) With continuous plate base (Hexagonal/ Round rod) (iv) 125 mm grip x 10 mm dia rod.</p>	8.00	Each	95.00	760.00
36	<p>i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. - 10, Page No. - 141</p> <p>(b) 250mm long.</p>	8.00	Each	159.00	1272.00
37	<p>Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140</p> <p>(viii) 100mm. X 75mm. X 3.50mm.</p>	16.00	Each	66.00	1056.00
38	<p>Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming,</p>	1	Each	45953.00	45953.00

Estimate for construction of gents and ladies toilet and latrine near Samaj Kalyan Maidan at ward no -3 under Copper's Camp Notified Area authority.

SL NO	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm.P.C.S.(Building), page-1,item-2(a)	4.67	% Cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref-P.C.S.(Building), page-14,item-1	7.47	M ²	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M ³	4224.25	3155.51
4.	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor.page-16, item-16	15.39	M ²	671.53	10334.85
5.	Brick work with 1 st class bricks in cement mortar (1:6) pro.a) in foundation & plinth.page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6.	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes.page-26, item-10.	1.63	M ³	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape ,placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column & lintel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M ²	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a).				
9.	plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary. page-189, item-1 10 mm thick (1:4) 15 mm thick (1:4) 20 mm thick (1:4)	8.64 49.75 51.85	M ² M ² M ²	125.55 155.24 161.73	1084.78 7723.19 8385.70
10.	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-14, Page No. - 125 i.25 mm thick	8.00 6.00	M ²	2581.00	20648.00 15486.00
11.	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the existing work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface,if necessary or bt synthetic adhesive &grout materials etc. B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M ²	741.00	16620.63
12.	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i)Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

	min ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M ²	138.00 ✓	99.36 ✓
		11.52	Kg	* 94.00 ✓	1082.88 ✓
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M ² *	38.00 ✓	2896.36 ✓
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M ²	78.00 ✓	5945.16 ✓
15	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD(WB), S.O.R. Volume - 1 : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M ²	29.00 ✓	20.88 ✓
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - 1 : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ² *	57.00 ✓	41.04 ✓
17	Artificial stone in floor, dado etc. with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement. using cement @ 1.75kg/m ² all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M ²	226.28 ✓	3057.04 ✓
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each	5128.00 ✓	5128.00 ✓
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore. for depth upto 150 m	47.48	Mtr*	90.00 ✓	4273.20 ✓

	a) 40 mm dia boring etc. top enlargement page-49, item-1(d)(ii)				
20	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i), page-54	1	Each	1596.00	1596.00
21	Supply of G.I. pipe of "TATA" make including socket 40mm dia item-1(e)(ii), page-102	55.00	Mtr	291.00	16005.00
22	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand). page-06, item-7(a)(i)	10.00	Each	539.00	5390.00
23	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00	3958.00
24	Supplying, fitting and fixing flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position. wooden blocks complete (ii) corner urinal 440 mm X 345 mm X 250 mm Item-6(iii), page-80	1	Each	1167.00	1167.00
25	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b) with S trap Item-3(b), page-79	2	Each	3287.00	6574.00
26	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00	881.00

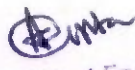
27) supplying fitting & fixing fibre reinforced Poly mer (FRP) compocuting door frame as per approved section with glass fibre - door both top & bottom (3-3, 89'-115')
i) 66 mm x 90 mm

20.00	Mtr	497.00	9940.00
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27	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38,item-13	3	Each	19.00	57.00
28					
29	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6,page-52	5.48	Mtr	293.00	1605.64
30	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 i 75 mm dia c) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm vent equal (a) 75 mm	3.00 1.00	Mtr Nos	196.00 25.00	588.00 25.00
32	Supplying,fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying,fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00


	<p>clamps complete.</p> <p>PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No.- 81</p> <p>i) Polythene Flush Pipe</p>				
35	<p>Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145</p> <p>(a) With continuous plate base (Hexagonal/ Round rod) (iv) 125 mm grip x 10 mm dia rod.</p>	8.00	Each	95.00	760.00
36	<p>i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. -10, Page No. - 141</p> <p>(b) 250mm long.</p>	8.00	Each	159.00	1272.00
37	<p>Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140</p> <p>(viii) 100mm. X 75mm. X 3.50mm.</p>	16.00	Each	66.00	1056.00
38	<p>Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar-(1:4) including two 560 mm dia. R.C.C. manhole cover(heavy type)of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming,</p>	1	Each	45953.00	45953.00


<p> dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials Note: - (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm. Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470,Part-I. Payment will be made separately on the basis of actual height based on relevant IS code ii) For 20 users A) With Pakur variety. (SAIL/TATA/RINL) page-88,item-3(ii)(A) </p>				
				219543.21
			Rs.	215446.29
			Add 12% G.S.T	25853.55 26345.19
			Rs	241299.84
			Add cess 1%	2412.99
			Add contingency 3%	7238.99
			Rs	250951.82
			Say of Rs.	250952.00


Sub Assistant Engineer
Cooper's Camp Notified
Area Authority


Executive Engineer
Nadia Division M.E. Dte
Deptt. of M.A. W.B


Chairman
Cooper's Camp Notified
Area Authority


28.05.2020
Junior Engineer (Civil)
Nadia Division
M.E. Dte., M.A. Deptt.
Govt. of West Bengal


28/5/2020
Assistant Engineer
Nadia Division
M.E.Dte., M.A.Deptt.
Govt. of West Bengal

**Estimate for construction of gents and ladies toilet and latrine near
karunamoyee mandir at ward no -3 under Copper's Camp Notified Area
authority.**

SL N O	DESCRIPTION OF ITEM	QUA NTIT Y	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm.P.C.S.(Building), page-1,item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref-P.C.S.(Building), page-14,item-1	7.47	M ²	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M ³	4224.25	3155.51
4.	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor.page-16, item-16	15.39	M ² *	671.53	10334.85
5.	Brick work with 1 st class bricks in cement mortar (1:6) pro.a) in foundation & plinth.page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6.	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes.page-26, item-10.	1.63	M ³	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape ,placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column & lintel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M ²	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a).				
9	plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary. page-189, item-1 10 mm thick (1:4) 15 mm thick (1:4) 20 mm thick (1:4)	8.64 49.75 51.85	M ² M ² M ²	125.55 155.24 161.73	1084.75 7723.107092 8385.70
10	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-14, Page No. - 125 i.25 mm thick	8.00 6.00	M ²	2581.00	20648.00 15486.00
11	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the existing work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or bt synthetic adhesive & grout materials etc. B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M ²	741.00	16620.63
12	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs, locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i)Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

	mm M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107,item-20(viii)	0.72	M ²	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M ² *	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200,item-2(a)(ii)	76.22	M ²	78.00	5945.16
15	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M ² *	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ² *	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete(1:2:4) with stone chips,laid in panels as directed with topping made with ordinary white cement...using cement @ 1.75kg/m ² all complete including all materials and labour. Item-6(i),page-48 20 mm thick	13.51	M ²	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37,item-6(b)	1.00	Each	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore.for depth upto 150 m	47.48	Mtr*	90.00	4273.20

	a) 40 mm dia boring etc. top enlargement page-49, item-1(d)(ii)				
20	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i), page-54	1	Each	1596.00	1596.00
21	Supply of G.I. pipe of "TATA" make including socket 40mm dia. item-1(e)(ii), page-102	55.00	Mtr	291.00	16005.00
22	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand). page-06, item-7(a)(i)	10.00	Each	539.00	5390.00
23	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia. one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00	3958.00
24	Supplying, fitting and fixing flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position. wooden blocks complete (ii) corner urinal 440mm X 345 mm X 250 mm Item-6(iii), page-80	1	Each	1167.00	1167.00
25	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b) with S trap Item-3(b), page-79	2	Each	3287.00	6574.00
26	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid separately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00	881.00

27) supplying fitting & fixing fibre reinforced polymer (FRP) connecting door frame as per approved section with glass fibre

door jali repair

estimator (3-3, 89-115)
1) 66mm x 90mm

20.00 mtr 497.00 9940.00

27	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
28	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6, page-52	5.48	Mtr	293.00	1605.64
30	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 i. 75 mm dia c) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm vent cord (a) 75 mm	3.00 1.00	Mtr Nos	196.00 25.00	588.00 25.00
32	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	<p>clamps complete.</p> <p>PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No.- 81</p> <p>i) Polythene Flush Pipe</p>				
35	<p>Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145</p> <p>(a) With continuous plate base (Hexagonal/ Round rod)</p> <p>(iv) 125 mm grip x 10 mm dia rod.</p>	8.00	Each	95.00	760.00
36	<p>i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. -10, Page No. - 141</p> <p>(b) 250mm long.</p>	8.00	Each	159.00	1272.00
37	<p>Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140</p> <p>(viii) 100mm. X 75mm. X 3.50mm.</p>	16.00	Each	66.00	1056.00
38	<p>Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming,</p>	1	Each	45953.00	45953.00

dressing the bed and filling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm.				
Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470,Part-I.Payment will be made separately on the basis of actual height based on relevant IS code				
ii) For 20 users				
A) With Pakur variety. (SAIL/TATA/RINL) page-88,item-3(ii)(A)				219,543.21
			Rs.	215446.29
			Add 12% G.S.T	25853.55 26,345.19
			Rs	241299.84
			Add cess 1%	2412.99
			Add contingency 3%	7238.99
			Rs	250951.82
			Say of Rs.	250952.00

[Signature]
Sub Assistant Engineer
Cooper's Camp Notified
Area Authority

vetted
[Signature]
29/05/2020
Executive Engineer
Nadia Division M.E. Dte
Deptt. of M.A. W.B

[Signature]
Chairman
Cooper's Camp Notified
Area Authority

[Signature]
28.05.2020
Junior Engineer (Civil)
Nadia Division
M.E. Dte., M.A. Deptt.
Govt. of West Bengal

[Signature]
28/5/2020
Assistant Engineer
Nadia Division
M.E.Dte., M.A.Deptt.
Govt. of West Bengal

Estimate for construction of gents and ladies toilet and latrine near Manasha mandir at ward no -4 under Copper's Camp Notified Area authority.

SL N O	DESCRIPTION OF ITEM	QUA NTIT Y	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm.P.C.S.(Building), page-1,item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref-P.C.S.(Building), page-14,item-1	7.47	M ²	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M ³	4224.25	3155.51
4.	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor.page-16, item-16	15.39	M ²	671.53	10334.85
5.	Brick work with 1 st class bricks in cement mortar (1:6) pro.a) in foundation & plinth.page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6.	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes.page-26, item-10.	1.63	M ³	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape ,placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column &intel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M ²	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a).				
9.	plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary. page-189, item-1 10 mm thick (1:4) 15 mm thick (1:4) 20 mm thick (1:4)	8.64 49.75 51.85	M ² M ² M ²	125.55 ✓ 142.55 ✓ 155.24 ✓ 161.73 ✓	1084.75 ✓ 7723.19 ✓ 8385.70 ✓ 2042.11 ✓
10.	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-14, Page No. - 125 i.25 mm thick	8.00 6.00	M ²	2581.00 ✓	20648.00 15486.00 ✓
11.	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the existing work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or bt synthetic adhesive & grout materials etc. B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M ²	741.00 ✓	16620.63 ✓
12.	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i)Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

	mm				
	ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M ²	138.00 ✓	99.36 ✓
		11.52	Kg	* 94.00 ✓	1082.88 ✓
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M ² *	38.00 ✓	2896.36 ✓
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M ²	78.00 ✓	5945.16 ✓
15	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M ²	29.00 ✓	20.88 ✓
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ² *	57.00 ✓	41.04 ✓
17	Artificial stone in floor, dado etc. with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement. using cement @ 1.75kg/m ² all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M ²	226.28 ✓	3057.04 ✓
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each	5128.00 ✓	5128.00 ✓
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore for depth upto 150 m	47.48	Mtr*	90.00 ✓	4273.20 ✓

	a) 10 mm dia boring etc. top enlargement page-49, item-1(d)(ii)				
20	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i), page-54	1	Each	1596.00 ✓	1596.00 ✓
21	Supply of G.I. pipe of "TATA" make including socket 40mm dia item-1(e)(ii), page-102	55.00	Mtr	291.00 ✓	16005.00 ✓
22	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand). page-06, item-7(a)(i)	10.00	Each	539.00 ✓	5390.00 ✓
23	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00 ✓	3958.00 ✓
24	Supplying, fitting and fixing flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position wooden blocks complete (iii) corner urinal 440mm X 345 mm X 250 mm Item-6(iii), page-80	1	Each	1167.00 ✓	1167.00 ✓
25	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b) with S trap Item-3(b), page-79	2	Each	3287.00 ✓	6574.00 ✓
26	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00 ✓	881.00 ✓

27) supplying fitting & fixing fibre reinforced poly mer (FRP) inspecting door frame as per approved section with glass fibre

20.00 mtr 497.00 9940.00

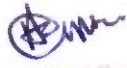
door with proper lighter (3-3, 29-115)

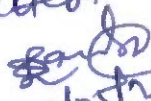
i) 66mm x 90mm

27	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38,item-13	3	Each	19.00	57.00
28	Supplying, fitting and fixing P.V.C strainer (40 mm dia). Item-6,page-52	5.48	Mtr	293.00	1605.64
30	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 i. 75 mm dia c) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm (a) 75 mm	3.00 1.00	Mtr Nos	196.00 25.00	588.00 25.00
32	Supplying,fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying,fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00


	clamps complete. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No.- 81				
	i) Polythene Flush Pipe				
35	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145 (a) With continuous plate base (Hexagonal/ Round rod) (iv) 125 mm grip x 10 mm dia rod.	8.00	Each	95.00	760.00
36	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141 (b) 250mm long.	8.00	Each	159.00	1272.00
37	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140 (viii) 100mm. X 75mm. X 3.50mm.	16.00	Each	66.00	1056.00
38	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar-(1:4) including two 560 mm dia. R.C.C. manhole cover(heavy type)of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming,	1	Each	45953.00	45953.00

<p>dressing the bed and filling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm.</p> <p>Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470,Part-I. Payment will be made separately on the basis of actual height based on relevant IS code</p> <p>ii) For 20 users</p> <p>A) With Pakur variety. (SAIL/TATA/RINL) page-88,item-3(ii)(A)</p>				
				219543.21
	Rs.			215446.29
			Add 12% G.S.T	25853.55 26345.19
	Rs.			241299.84
			Add cess 1%	2412.99
			Add contingency 3%	7238.99
			Rs	250951.82
			Say of Rs.	250952.00


Sub Assistant Engineer
Cooper's Camp Notified
Area Authority

verified

29/05/2020
Executive Engineer
Nadia Division M.E. Dte
Deptt. of M.A. W.B


Chairman
Cooper's Camp Notified
Area Authority


28.05.2020
Junior Engineer (Civil)
Nadia Division
M.E. Dte., M.A. Deptt.
Govt. of West Bengal


28/5/2020
Assistant Engineer
Nadia Division
M.E.Dte., M.A.Deptt.
Govt. of West Bengal

Estimate for construction of gents and ladies toilet and latrine near Mitali Sangha park at ward no -5 under Copper's Camp Notified Area authority.

SL NO	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A) Depth of excavation not exceeding 1500mm. P.C.S. (Building), page-1, item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref. P.C.S. (Building), page-14, item-1	7.47	M ²	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro. page-23, item-1(a).	0.747	M ³	4224.25	3155.51
4.	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor. page-16, item-16	15.39	M ²	671.53	10334.85
5.	Brick work with 1 st class bricks in cement mortar (1:6) pro. a) in foundation & plinth. page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6.	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes. page-26, item-10.	1.63	M ³	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii. JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Time & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with required bracing for concrete slab beam & column & lintel curved or straight including fitting, fixing and striking out after completion of work.	13.79	M ²	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a).				
9	plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary. page-189, item-1 10 mm thick (1:4) 15 mm thick (1:4) 20 mm thick (1:4)	8.64 49.75 51.85	M ² M ² M ²	125.55 142.55 155.24 161.73	1084.75 7723.19 7842.11 8385.70
10.	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-14, Page No. - 125 i.25 mm thick	8.00 6.00	M ²	2581.00	20648.00 15426.00
11.	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the existing work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or bt synthetic adhesive & grout materials etc. B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M ²	741.00	16620.63
12.	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs, locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i)Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

	mm ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M ²	138.00	99.36
		11.52	Kg	* 94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M ² *	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M ²	78.00	5945.16
15	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M ²	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ² *	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete(1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement... using cement @ 1.75kg/m ² all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M ²	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore. for depth upto 150 m	47.48	Mtr*	90.00	4273.20

	a) 40 mm dia boring etc. top enlargement page-49, item-1(d)(ii)				
20	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i), page-54	1	Each	1596.00 ✓	1596.00 ✓
21	Supply of G.I. pipe of "FATA" make including socket 40mm dia. item-1(e)(ii), page-102	55.00	Mtr	291.00 ✓	16005.00 ✓
22	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand). page-06, item-7(a)(i)	10.00	Each	539.00 ✓	5390.00 ✓
23	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00 ✓	3958.00 ✓
24	Supplying, fitting and fixing flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position. wooden blocks complete (m) corner urinal 440mm X 345 mm X 250 mm Item-6(iii), page-80	1	Each	1167.00 ✓	1167.00 ✓
25	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b) with S trap Item-3(b), page-79	2	Each	3287.00 ✓	6574.00 ✓
26	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid separately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00 ✓	881.00 ✓

27) Supplying, fitting & fixing fibre reinforced poly men (FRP) compacting cast frame as per approved section with glass fibre - - -
- - - - -
- - - - -
(3.3, 89-115)
i) 66 mm X 90 mm

20.00	mtr	497.00	9940.00 ✓
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27	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
28	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6, page-52	5.48	Mtr	293.00	1605.64
30	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 i. 75 mm dia c) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm (a) 75 mm vent cord (a) 75 mm	3.00 1.00	Mtr Nos	196.00 25.00	588.00 25.00
32	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (i) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	clamps complete. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No.- 81				
	i) Polythene Flush Pipe				
35	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145 (a) With continuous plate base (Hexagonal/ Round rod) (iv) 125 mm grip x 10 mm dia rod.	8.00	Each	95.00	760.00
36	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141 (b) 250mm long.	8.00	Each	159.00	1272.00
37	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140 (viii) 100mm. X 75mm. X 3.50mm.	16.00	Each	66.00	1056.00
38	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming,	1	Each	45953.00	45953.00

<p>dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm.</p>				
<p>Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470,Part-I. Payment will be made separately on the basis of actual height based on relevant IS code ii) For 20 users A) With Pakur variety. (SAIL/TATA/RINL) page-88,item-3(ii)(A)</p>				219543.21
<p>Rs. 219,543.21</p>			Rs.	215446.29
<p>Rs. 26345.19</p>			Add 12% G.S.T	25853.55 26345.19
<p>Rs. 245888.40</p>			Rs.	241299.84
<p>Rs. 2,458.88</p>			Add cess 1%	2412.99
<p>Rs. 7,376.65</p>			Add contingency 3%	7238.99
<p>Rs. 255723.93</p>			Rs.	250951.82
<p>Rs. 255724.00</p>			Say of Rs.	250952.00

V.L.Led,
 29/05/2020
 Executive Engineer
 Nadia Division M.E. Dte
 Deptt. of M.A. W.B

Sub Assistant Engineer
 Cooper's Camp Notified
 Area Authority

Chairman
 Cooper's Camp Notified
 Area Authority

28.05.2020
 Junior Engineer (Civil)
 Nadia Division
 M.E. Dte., M.A. Deptt.
 Govt. of West Bengal

28/5/2020
 Assistant Engineer
 Nadia Division
 M.E. Dte., M.A. Deptt.
 Govt. of West Bengal

Estimate for construction of gents and ladies toilet and latrine near Ujjal Saugha at ward no -6 under Copper's Camp Notified Area authority.

SL NO	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE	AMOUNT RS P
1	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm.P.C.S.(Building), page-1,item-2(a)	4.67	% cum	11927.00	556.99
2	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref-P.C.S (Building), page-14,item-1	7.47	M ²	325.00	2427.75
3	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M ³	4224.25	3155.51
4	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor page-16, item-16	15.39	M ²	671.53	10334.85
5	Brick work with 1 st class bricks in cement mortar (1:6) pro.a) in foundation & plinth.page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes page-26, item-10.	1.63	M ³	5809.18	9468.96
7	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape ,placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15	0.093	MT	54375.54	5056.93
8	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column & lintel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M ²	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a) plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary. page-189, item-1 10 mm thick (1:4) 15 mm thick (1:6) 20 mm thick (1:8)	8.64 49.75 51.85	M ² M ² M ²	125.55 ✓ 142.55 ✓ 155.24 ✓ 161.73 ✓	1084.75 ✓ 7723.10 ✓ 8385.70 ✓ 7042.11 ✓
10	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. 14, Page No. -125 i.25 mm thick	8.00 6.48	M ²	2581.00 ✓	20648.00 15486.48
11	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the existing work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or bt synthetic adhesive & grout materials etc. B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M ²	741.00 ✓	16620.63 ✓
12	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i) Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

	mm. ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M ² *	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M ²	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M ²	78.00	5945.16
15	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M ² *	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ²	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete(1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement... using cement @ 1.75kg/m ² all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M ²	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each *	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore. for depth upto 150 m	47.48	Mtr	90.00	4273.20

	a)40 mm dia boring etc. top enlargement page-49, item-1(d)(ii)				
20	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i), page-54	1	Each	1596.00	1596.00
21	Supply of G.I. pipe of "TATA" make including socket 40mm dia. item-1(e)(ii), page-102	55.00	Mtr	291.00	16005.00
22	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand) page-06, item-7(a)(i)	10.00	Each	539.00	5390.00
23	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00	3958.00
24	Supplying, fitting and fixing flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position..... wooden blocks complete (iii) corner urinal 440mm X 345 mm X 250 mm Item-6(iii), page-80	1	Each	1167.00	1167.00
25	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b) with S trap Item-3(b), page-79	2	Each	3287.00	6574.00
26	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00	881.00

27) Supplying fitting & fixing fibre reinforced polymer (FRP) connecting door frame as per approved section with glass
 --- Doors shall proper aligner
 (3-3, 89-115)
 3) 82 mm x 90 mm

28.00	mtr	497.00	9940.00
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27	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
28	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6, page-52	5.48	Mtr	293.00	1605.64
29	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I: Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212	3.00	Mtr	188.00	564.00
	1.75 mm dia c) Bend 87.5 degree (i) 75 mm. Dia.	1.00	Nos	95.00	95.00
30	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm vincent (a) 75 mm	3.00	Mtr	196.00	588.00
		1.00	Nos	25.00	25.00
31	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
32	Supplying, fitting and fixing shower of approved brand and make. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
33	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	clamps complete. PWD(WB). S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No. 81				
35	i) Polythene Flush Pipe Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145	8.00	Each	95.00	760.00
36	(a) With continuous plate base (Hexagonal/ Round rod) (iv) 125 mm grip x 10 mm dia rod. i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141	8.00	Each	159.00	1272.00
37	(b) 250mm long. Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140	16.00	Each	66.00	1056.00
38	(viii) 100mm. X 75mm. X 3.50mm. Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover(heavy type)of approved make supplied, fitted and fixed in the 100mm thick R C C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings. S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming,	1	Each	45953.00	45953.00


<p>dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm.</p> <p>Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470,Part-I. Payment will be made separately on the basis of actual height based on relevant IS code</p> <p>ii) For 20 users</p> <p>A) With Pakur variety. (SAIL/TATA/RINL) page-88.item-3(ii)(A)</p>				
				219543.21
			Rs.	215446.29
			Add 12% G.S.T	25853.55
				26345.19
			Rs	241299.84
			Add cess 1%	2412.99
			Add contingency 3%	7238.99
			Rs	250951.82
			Say of Rs.	250952.00

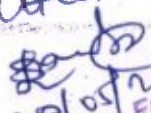
Rs 219,543.21
 Rs 26,345.19

 Rs 245888.40
 Rs 2458.88

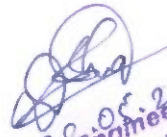
 Rs 7376.65

 Rs 255723.93
 Rs 255724.00


 Sub Assistant Engineer
 Cooper's Camp Notified
 Area Authority

vetted.

 29/05/2020
 Executive Engineer
 Nadia Division M.E. Dte
 Deptt. of M.A. W.B


 Chairman
 Cooper's Camp Notified
 Area Authority


 28.05.2020
 Junior Engineer (Civil)
 Nadia Division
 M.E. Dte., M.A. Deptt.
 Govt. of West Bengal


 28/5/2020
 Assistant Engineer
 Nadia Division
 M.E. Dte., M.A. Deptt.
 Govt. of West Bengal

Estimate for construction of gents and ladies toilet and latrine near market(Gopalnagar Road) at ward no -7 under Copper's Camp Notified Area authority.

SL NO	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm.P.C.S.(Building), page-1,item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref-P.C.S.(Building), page-14,item-1	7.47	M ²	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro. page-23, item-1(a)	0.747	M ³	4224.25	3155.51
4.	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor.page-16, item-16	15.39	M ²	671.53	10334.85
5.	Brick work with 1 st class bricks in cement mortar (1:6) pro.a) in foundation & plinth.page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6.	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes page-26, item-10.	1.63	M ³	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape ,placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column & lintel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M ²	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a). plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary. page-189, item-1 10 mm thick (1:4) 15 mm thick (1:6) 20 mm thick (1:8)	8.64 49.75 51.85	M ² M ² M ²	125.55 155.24 161.73	1084.75 7723.19 8385.70
10	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. -14, Page No. - 125 i.25 mm thick	8.00 6.50	M ²	2581.00	20648.00 15486.00
11	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the existing work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or bt synthetic adhesive & grout materials etc. B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M ²	741.00	16620.63
12	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i) Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

	mm. ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M ²	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M ²	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M ²	78.00	5945.16
15	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M ²	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ²	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete(1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement. using cement @ 1.75kg/m ² all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M ²	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore. for depth upto 150 m	47.48	Mtr	90.00	4273.20

	a) 40 mm dia boring etc. top enlargement page-49, item-1(d)(ii)				
20.	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i), page-54	1	Each	1596.00	1596.00
21.	Supply of G.I. pipe of "TATA" make including socket 40mm dia. item-1(e)(ii), page-102	55.00	Mtr	291.00	16005.00
22.	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand) page-06, item-7(a)(i)	10.00	Each	539.00	5390.00
23.	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00	3958.00
24.	Supplying, fitting and fixing flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position..... wooden blocks complete (iii) corner urinal 440mm X 345 mm X 250 mm Item-6(iii), page-80	1	Each	1167.00	1167.00
25.	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b) with S trap Item-3(b), page-79	2	Each	3287.00	6574.00
26.	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid separately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00	881.00

27) supplying fitting & fixing fibre reinforced Polymmer (FRP) compacting door frame as per approved sketch with glass fibre - - - - -

20.00	mtr	497.00	9940.00
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1) 66 mm x 90 mm
enter (2-3, 89-115)

27	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
28					
29	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6, page-52	5.48	Mtr	293.00	1605.64
30	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Volamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I: Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 i. 75 mm dia d) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm <i>vent cond</i> (b) 75 mm	3.00	Mtr	196.00	588.00
		1.00	Nos	25.00	25.00
32	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	clamps complete. PWB(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No. 81				
25	i) Polythene Flush Pipe Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: PWB(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145	8.00	Each	95.00	760.00
36	(a) With continuous plate base (Hexagonal/ Round rod) (iv) 125 mm grip x 10 mm dia rod. i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. PWB(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141 (ii) 250mm long.	8.00	Each	159.00	1272.00
37	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. PWB(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140 (viii) 100mm. X 75mm. X 3.50mm.	16.00	Each	66.00	1056.00
38	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover(heavy type)of approved make supplied, fitted and fixed in the 100mm thick R C C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming,	1	Each	45953.00	45953.00

<p>dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm.</p> <p>Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470,Part-1. Payment will be made separately on the basis of actual height based on relevant IS code</p> <p>ii) For 20 users A) With Pakur variety. (SAIL/TATA/RINL) page-88, item-3(ii)(A)</p>				
				Rs. 219543.21
				Add 12% G.S.T 25853.55
				Rs 241299.84
				Add cess 1% 2412.99
				Add contingency 3% 7238.99
				Rs 250951.82
				Say of Rs. 250952.00

Rs 219543.21
 Rs 26,345.19

 Rs 245888.40
 Rs 2458.88
 Rs 7376.65

 Rs 255723.93

 Rs 255724.00

checked,
 29/05/2020
 Executive Engineer
 Nadia Division M.E. Dte
 Deptt. of M.A. W.B

Chairman
 Cooper's Camp Notified
 Area Authority

Sub Assistant Engineer
 Cooper's Camp Notified
 Area Authority

28.05.2020
 Junior Engineer (Civil)
 Nadia Division
 M.E. Dte., M.A. Deptt.
 Govt. of West Bengal

Assistant Engineer
 Nadia Division
 M.E. Dte., M.A. Deptt.
 Govt. of West Bengal

Estimate for construction of gents and ladies toilet and latrine near Veg Market at ward no -7 under Copper's Camp Notified Area authority.

SL NO	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm.P.C.S.(Building), page-1,item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref-P.C.S.(Building), page-14,item-1	7.47	M ²	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M ³	4224.25	3155.51
4.	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor.page-16, item-16	15.39	M ²	671.53	10324.85
5.	Brick work with 1 st class bricks in cement mortar (1:6) pro a) in foundation & plinth.page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6.	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes page-26, item-10.	1.63	M ³	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape ,placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column & lintel curved or straight including work fitting, fixing and striking out after completion of work.	13.79	M ²	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a). plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary page-189, item-1 10 mm thick 15 mm thick 20 mm thick	8.64 49.75 51.85	M ² M ² M ²	125.55 155.24 161.73	1084.75 7723.19 8385.70
10	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. 14, Page No. -125 i.25 mm thick	8.00 6.00	M ²	2581.00	20648.00 15486.00
11	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the exiting work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface,if necessary or bt synthetic adhesive & grout materials etc. B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M ²	741.00	16620.63
12	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i)Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

	mm ii)M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107,item-20(viii)	0.72	M ²	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M ²	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a)on timber or plastered surface two coat page -200,item-2(a)(ii)	76.22	M ²	78.00	5945.16
15	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M ²	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ²	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete(1:2:4) with stone chips,laid in panels as directed with topping made with ordinary white cement... using cement @ 1.75kg/m ² all complete including all materials and labour. Item-6(i),page-48 20 mm thick	13.51	M ²	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37,item-6(b)	1.00	Each	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore.for depth upto 150 m	47.48	Mtr	90.00	4273.20

	a) 40 mm dia boring etc. top enlargement page-49, item-1(d)(ii)				
20.	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i), page-54	1	Each	1596.00	1596.00
21.	Supply of G.I. pipe of "TATA" make including socket 40mm dia. item-1(e)(ii), page-102	55.00	Mtr	291.00	16005.00
22.	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand) page-06, item-7(a)(i)	10.00	Each	539.00	5390.00
23.	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00	3958.00
24.	Supplying, fitting and fixing flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position..... wooden blocks complete (iii) corner urinal 440mm X 345 mm X 250 mm Item-6(iii), page-80	1	Each	1167.00	1167.00
25.	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b) with S trap Item-3(b), page-79	2	Each	3287.00	6574.00
26.	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00	881.00
27.	Supplying fitting & fixing fibre reinforced Polym (FRP) compositing door frame as per approved B: 4020 door with proper Order (3-33, 89-115) i) 66 mm x 90 mm	20.00	mtr	497.00	9940.00

27	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
28					
29	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6, page-52	5.48	Mtr	293.00	1605.64
30	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 1.75 mm dia c) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS 13592-1992 PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No. - 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm <i>vent cover</i> (a) 75 mm	3.00	Mtr	196.00	588.00
		1.00	Nos	25.00	25.00
32	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr. Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

Estimate for construction of gents and ladies toilet and latrine near Autostand Municipality Building at ward no -7 under Copper's Camp Notified Area authority.

SL NO	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm P.C.S (Building), page-1,item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref-P.C.S (Building), page-14,item-1	7.47	M ²	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M ³	4224.25	3155.51
4.	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor.page-16, item-16	15.39	M ²	671.53	10334.85
5.	Brick work with 1 st class bricks in cement mortar (1:6) pro.a) in foundation & plinth.page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6.	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes page-26, item-10.	1.63	M ³	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape ,placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column & lintel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M ²	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a).			
	plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary. page-189, item-1 10 mm thick (1:4) 15 mm thick (1:6) 20 mm thick (1:6)	8.64 49.75 51.85	M ² M ² 142.55 M ²	125.55 ✓ 155.24 ✓ 161.73 ✓ 1084.75 7723.19 7042.11 8385.70 ✓
10	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. 14, Page No. -125 i.25 mm thick	8.00 6.00	M ²	2581.00 ✓ 30648.00 15486.00 ✓
11	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the exiting work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface,if necessary or bt synthetic adhesive & grout materials etc. B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M ²	741.00 ✓ 16620.63 ✓
12	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i)Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580			

	clamps complete. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No. 81				
35	<p>i) Polythene Flush Pipe</p> <p>Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145</p>	8.00	Each	95.00	760.00
36	<p>(i) With continuous plate base (Hexagonal/ Round rod)</p> <p>(iv) 125 mm grip x 10 mm dia rod.</p> <p>i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141</p> <p>(ii) 250mm long.</p>	8.00	Each	159.00	1272.00
37	<p>Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140</p> <p>(viii) 100mm. X 75mm. X 3.50mm.</p>	16.00	Each	66.00	1056.00
38	<p>Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4:1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4:1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming,</p>	1	Each	45953.00	45953.00

dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm.

Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470, Part-I. Payment will be made separately on the basis of actual height based on relevant IS code

ii) For 20 users

A) With Pakur variety. (SAIL/TATA/RINL) page-88 item-3(ii)(A)

			Rs.	215446.29
			Add 12% G.S.T	25853.55
			Rs	241299.84
			Add cess 1%	2412.99
			Add contingency 3%	7238.99
			Rs	250951.82
			Say of Rs.	250952.00

Rs 219,543.21

Rs 26,345.19

Rs 245888.40

Rs 2458.88

Rs 7376.65

Rs 255,723.93

Rs 255724.00

checked
 29/05/2020
 Executive Engineer
 Nadia Division M.E. Dte
 Deptt. of M.A. W.B

Chairman
 Cooper's Camp Notified
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	mm. ii)M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107.item-20(viii)	0.72	M ²	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M ²	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a)on timber or plastered surface two coat page -200,item-2(a)(ii)	76.22	M ²	78.00	5945.16
15	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M ²	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ²	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete(1:2:4) with stone chips,laid in panels as directed with topping made with ordinary white cement... using cement @ 1.75kg/m ² all complete imcluding all materials and labour. Item-6(i),page-48 20 mm thick	13.51	M ²	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37,item-6(b)	1.00	Each	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore.for depth upto 150 m	47.48	Mtr	90.00	4273.20

	a)40 mm dia boring etc. top enlargement page-49,item-1(d)(ii)				
20.	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i),page-54	1	Each	1596.00	1596.00
21.	Supply of G.I. pipe of "TATA" make including socket 40mm dia. item-1(e)(ii),page-102	55.00	Mtr	291.00	16005.00
22.	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand) page-06,item-7(a)(i)	10.00	Each	539.00	5390.00
23.	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (i) 450 mm X 300 mm size page-41,item-2	2	Each	1979.00	3958.00
24.	Supplying, fitting and fixing flat back urinal(half stall urinal)in white vitreous chinaware of approved make in position..... wooden blocks complete (iii)corner urinal 440mm X 345 mm X 250 mm Item-6(iii),page-80	1	Each	1167.00	1167.00
25.	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b)with S trap Item-3(b),page-79	2	Each	3287.00	6574.00
26.	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). (i) 450 mm X 350 mm page-80,item-7	1	Each	881.00	881.00

27) supplying fitting & fixing fibre reinforced polymer (FRP) compacting door frame as per approved section with
door half proper enter (3-3, 89-115)
1) 66 mm x 90 mm

20.00	Mtr	397.00	9940.00
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28	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
29	Supplying, fitting and fixing P.V.C strainer (40 mm dia) item-6, page-52	5.48	Mtr	293.00	1605.64
30	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 1.75 mm dia a) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm <i>vent end</i> (a) 75 mm	3.00	Mtr	196.00	588.00
		1.00	Nos	25.00	25.00
32	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	clamps complete. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No. 81				
35	i) Polythene Flush Pipe Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145	8.00	Each	95.00	760.00
36	(c) With continuous plate base (Hexagonal/ Round rod) (iv) 125 mm grip x 10 mm dia rod. i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141 (h) 250mm long.	8.00	Each	159.00	1272.00
37	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140 (viii) 100mm. X 75mm. X 3.50mm.	16.00	Each	66.00	1056.00
38	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C. (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C.(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming,	1	Each	45953.00	45953.00

dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm.
 Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470, Part-I. Payment will be made separately on the basis of actual height based on relevant IS code
 ii) For 20 users
 A) With Pakur variety. (SAIL/TATA/RINL) page-88, item-3(ii)(A)

				219,543.21
			Rs.	215446.39
			Add 12% G.S.T	25853.55
				26345.19
			Rs	241299.84
			Add cess 1%	2412.99
			Add contingency 3%	7238.99
			Rs	250951.82
			Say of Rs.	250952.00

Rs 219,543.21
 Rs 26,345.19
 Rs 245,888.40
 Rs 2458.88
 Rs 7376.65
 Rs 255723.93
 Rs 255724.00

checked
 29/05/2020
 Executive Engineer
 Nadia Division M.E. Dte
 Deptt. of M.A. W.B

Chairman
 Cooper's Camp Notified
 Area Authority

Sub Assistant Engineer
 Cooper's Camp Notified
 Area Authority

28.05.2020
 Junior Engineer (Civil)
 Nadia Division
 M.E. Dte., M.A. Deptt.
 Govt. of West Bengal

28/5/2020
 Assistant Engineer
 Nadia Division
 M.E. Dte., M.A. Deptt.
 Govt. of West Bengal

**Estimate for construction of gents and ladies toilet and lafrine near Copper's
Maa Karunmoyee mandir at ward no -7 under Copper's Camp Notified
Area authority.**

SL NO	DESCRIPTION OF ITEM	QUA NTIT Y	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm.P.C.S.(Building), page-1,item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref-P.C.S.(Building), page-14,item-1	7.47	M ²	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M ³	4224.25	3155.51
4.	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor.page-16, item-16	15.39	M ²	671.53	10334.85
5.	Brick work with 1 st class bricks in cement mortar (1:6) pro.a) in foundation & plinth.page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6.	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes.page-26, item-10.	1.63	M ³	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape ,placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column & lintel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M ²	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a).				
9	plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary page-189, item-1 10 mm thick (1:4) 15 mm thick (1:6) 20 mm thick (1:6)	8.64 49.75 51.85	M ² M ² M ²	125.55 155.24 161.73	1084.75 7723.10 8385.70
10	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. -14, Page No. -125 i.25 mm thick	8.00 6.00	M ²	2581.00	30648.00 15486.00
11	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the exiting work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface,if necessary or bt synthetic adhesive & grout materials etc. B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M ²	741.00	16620.63
12	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i)Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

	mm. ii)M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107,item-20(viii)	0.72	M ²	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M ²	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a)on timber or plastered surface two coat page -200,item-2(a)(ii)	76.22	M ²	78.00	5945.16
15	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M ²	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ²	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete(1:2:4) with stone chips,laid in panels as directed with topping made with ordinary white cement. using cement @ 1.75kg/m ² all complete imcluding all materials and labour. Item-6(i),page-48 20 mm thick	13.51	M ²	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37,item-6(b)	1.00	Each	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore.for depth upto 150 m	47.48	Mtr	90.00	4273.20

	a)40 mm dia boring etc. top enlargement page-49, item-1(d)(ii)				
20.	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i),page-54	1	Each	1596.00	1596.00
21	Supply of G.I. pipe of "TATA" make including socket 40mm dia. item-1(e)(ii),page-102	55.00	Mtr	291.00	16005.00
22	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand) page-06, item-7(a)(i)	10.00	Each	539.00	5390.00
23	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00	3958.00
24.	Supplying, fitting and fixing flat back urinal(half stall urinal)in white vitreous chinaware of approved make in position..... wooden blocks complete (iii)corner urinal 440mm X 345 mm X 250 mm Item-6(iii),page-80	1	Each	1167.00	1167.00
25.	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b)with S trap Item-3(b),page-79	2	Each	3287.00	6574.00
26.	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00	881.00

27) supplying fitting & fixing fibre reinforced Polymer (FRP) compoching door frame as per approved section with glass fibre
20.00 mtr 297.00 9940.00

door jali paper curtain (3-3, 89-115)
1) 66mm x 90mm

28	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
29	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6, page-52	5.48	Mtr	293.00	1605.64
30	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. putting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 1.75 mm dia (i) Bend 87.5 degree (ii) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS 13592-1992 PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm vent canal (a) 75 mm	3.00	Mtr	196.00	588.00
		1.00	Nos	25.00	25.00
32	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	clamps complete. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No. 81				
35	ii) Polythene Flush Pipe Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145	8.00	Each	95.00	760.00
36	(a) With continuous plate base (Hexagonal/ Round rod) (iv) 125 mm grip x 10 mm dia rod. ii) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141 (fi) 250mm long.	8.00	Each	159.00	1272.00
37	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140 (viii) 100mm. X 75mm. X 3.50mm.	16.00	Each	66.00	1056.00
38	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming,	1	Each	45953.00	45953.00

dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm.

Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470, Part-I. Payment will be made separately on the basis of actual height based on relevant IS code

ii) For 20 users

A) With Pakur variety. (SAIL/TATA/RINL) page-88 item-3(ii)(A)

			Rs.	215446.29
			Add 12% G.S.T	25853.55
			Rs	241299.84
			Add cess 1%	2412.99
			Add contingency 3%	7238.99
			Rs	250951.82
			Say of Rs.	250952.00

Rs 219,543.21

Rs 26,345.19

Rs 245,888.40

Rs 2458.88

Rs 7376.65

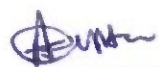
Rs 255,723.93

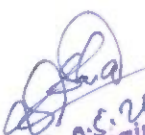
Rs 255724.00

vetter

 29/05/2020
 Executive Engineer
 Nadia Division M.E. Dte
 Deptt. of M.A. W.B


 Chairman
 Cooper's Camp Notified
 Area Authority


 Sub Assistant Engineer
 Cooper's Camp Notified
 Area Authority


 28.05.2020
 Junior Engineer (Civil)
 Nadia Division
 M.E. Dte., M.A. Deptt.
 Govt. of West Bengal


 28/5/2020
 Assistant Engineer
 Nadia Division
 M.E. Dte., M.A. Deptt.
 Govt. of West Bengal

Estimate for construction of gents and ladies toilet and latrine near Fish market Coopers' bazar at ward no -7 under Copper's Camp Notified Area authority.

SL NO	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm.P.C.S.(Building), page-1,item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref-P.C.S.(Building), page-14,item-1	7.47	M ²	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:8:6 pro.page-23, item-1(a).	0.747	M ³	4224.25	3155.51
4.	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor.page-16, item-16	15.39	M ²	671.53	10334.85
5.	Brick work with 1 st class bricks in cement mortar (1:6) pro.a) in foundation & plinth.page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6.	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes.page-26, item-10.	1.63	M ³	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape ,placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column & lintel curved or straight including fitting, fixing and striking out after completion of work.	13.79	M ²	330.00	4550.70

<p>25 mm to 30 mm thick etc. page-42, item-36(a).</p> <p>plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary page-189, item-1</p> <p>10 mm thick (1:4) 15 mm thick (1:6) 20 mm thick (1:6)</p>	<p>8.64 49.75 51.85</p>	<p>M² M² 142.55 M²</p>	<p>125.55 ✓ 155.24 ✓ 161.73 ✓</p>	<p>1084.75 ✓ 2723.19 2042.11 ✓ 8385.70 ✓</p>
<p>10. Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. 14, Page No. -125 i.25 mm thick</p>	<p>8.00 6.50</p>	<p>M²</p>	<p>2581.00 ✓</p>	<p>20048.00 15486.00 ✓</p>
<p>11. Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the exiting work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface,if necessary or bt synthetic adhesive & grout materials etc. B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative</p>	<p>22.43</p>	<p>M²</p>	<p>741.00 ✓</p>	<p>16620.63 ✓</p>
<p>12. Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i) Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580</p>				

	mm. ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M ² *	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M ²	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M ²	78.00	5945.16
15	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M ² *	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ²	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement. using cement @ 1.75kg/m ² all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M ²	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each *	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore. for depth upto 150 m	47.48	Mtr	90.00	4273.20

	a)40 mm dia boring etc. top enlargement page-49,item-1(d)(ii)				
20.	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i),page-54	1	Each	1596.00	1596.00
21	Supply of G.I. pipe of "TATA" make including socket 40mm dia. item-1(e)(ii),page-102	55.00	Mtr	291.00	16005.00
22	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand) page-06,item-7(a)(i)	10.00	Each	539.00	5390.00
23	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (i) 450 mm X 300 mm size page-41,item-2	2	Each	1979.00	3958.00
24.	Supplying, fitting and fixing flat back urinal(half stall urinal)in white vitreous chinaware of approved make in position. wooden blocks complete (iii)corner urinal 440mm X 345 mm X 250 mm Item-6(iii),page-80	1	Each	1167.00	1167.00
25	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b)with S trap Item-3(b),page-79	2	Each	3287.00	6574.00
26.	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). (i) 450 mm X 350 mm page-80,item-7	1	Each	881.00	881.00

27) supplying fitting & fixing fibre reinforced polymer (FRP) connecting door frame as per approved section with glass fibre

20.00	mtr	497.00	9940.00
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entire (3-3, 89-115)

i) 62mm x 90mm

27	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
28	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6, page-52	5.48	Mtr	293.00	1605.64
29	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I: Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 i. 75 mm dia c) Bend 87.5 degree ii) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
30	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm <i>Vent East</i> (a) 75 mm	3.00 1.00	Mtr Nos	196.00 25.00	588.00 25.00
31	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
32	Supplying, fitting and fixing shower of approved brand and make. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr. Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
33	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	clamps complete. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No. 81				
34	(j) Polythene Flush Pipe Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145	8.00	Each	95.00	760.00
35	(a) With continuous plate base (Hexagonal/ Round rod) (iv) 125 mm grip x 10 mm dia rod. i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141 (h) 250mm long.	8.00	Each	159.00	1272.00
36	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140 (viii) 100mm. X 75mm. X 3.50mm.	16.00	Each	66.00	1056.00
37	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C. (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C.(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings. S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming,	1	Each	45953.00	45953.00

dressing the bed and fefilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm.

Ventilation pipe & Mosquito proof mesh, should be follwed as per IS:2470,Part-I. Payment will be made seperely on the basis of actual height based on relevant IS code

ii) For 20 users

A) With Pakur variety. (SAIL/TATA/RINL) page-88, item-3(ii)(A)

				219543.21
			Rs.	215446.29
			Add 12% G.S.T	25853.55
			Rs	26345.19
			Rs	241299.84
			Add cess 1%	2412.99
			Add contingency 3%	7238.99
			Rs	250951.82
			Say of Rs.	250952.00

Rs 219,543.21

Rs 26345.19

Rs 245888.40

Rs 2458.88

Rs 7376.65

Rs 255,723.93

Rs 255724.00

vetted

29/05/2020
Executive Engineer
Nadia Division M.E. Dte
Deptt. of M.A. W.B

Chairman
Cooper's Camp Notified
Area Authority

Sub Assistant Engineer
Cooper's Camp Notified
Area Authority

28.05.2020
Junior Engineer (Civil)
Nadia Division
M.E. Dte., M.A. Deptt.
Govt. of West Bengal

28/5/2020
Assistant Engineer
Nadia Division
M.E. Dte., M.A. Deptt.
Govt. of West Bengal

Estimate for construction of gents and ladies toilet and latrine near Rickshaw stand Bidhanchandra playground at ward no -8 under Copper's Camp Notified Area authority.

SL NO	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm.P.C.S.(Building), page-1,item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref-P.C.S.(Building), page-14,item-1	7.47	M ²	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M ³	4224.25	3155.51
4.	125mm thick brick work with 1 st class bricks in cement mortar (1:4) in ground floor.page-16, item-16	15.39	M ²	671.53	10334.85
5.	Brick work with 1 st class bricks in cement mortar (1:6) pro.a) in foundation & plinth.page-15, item-8(a).	2.52	M ³	4907.05	12365.77
6.	Cement concrete M ²⁰ (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes.page-26, item-10.	1.63	M ³	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, cutting to requisite length, hooking and bending to correct shape ,placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction. ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column & lintel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M ²	330.00	4550.70

	<p>25 mm to 30 mm thick etc. page-42, item-36(a).</p> <p>plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary. page-189, item-1</p> <p>10 mm thick (1.14) 15 mm thick (1.16) 20 mm thick (1.5)</p>	<p>8.64 49.75 51.85</p>	<p>M² M² M²</p>	<p>125.55 ✓ 155.24 ✓ 161.73 ✓</p>	<p>1084.75 7723.19 ✓ 8385.70 ✓</p> <p>7042.11</p>
10	<p>Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria.</p> <p>In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. -14, Page No. -125</p> <p>i.25 mm thick</p>	<p>8.00 6.00</p>	<p>M²</p>	<p>2581.00 ✓</p>	<p>20648.00 15486.00 ✓</p>
11	<p>Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the exiting work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or bt synthetic adhesive & grout materials etc.</p> <p>B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative</p>	<p>22.43</p>	<p>M²</p>	<p>741.00 ✓</p>	<p>16620.63 ✓</p>
12	<p>Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing.</p> <p>i) Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580</p>				

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16.	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M ²	57.00	41.04
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18.	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each	5128.00	5128.00
19.	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore. for depth upto 150 m	47.48	Mtr	90.00	4273.20