

## রাজ্য নগর উন্নয়ন সংস্থা

## STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ  
 “ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

SUDA-468/2019/6433

13.09.2019

ক্রমিক নং .....

তারিখ .....

From : Shri Joly Chaudhuri WBCS (Exe.),  
 Jt. Secretary, UD & MA Department &  
 Addl. Mission Director, WBSULM

To : Chairman,  
 Bhatpara Municipality

Sub : Administrative approval & financial sanction for ‘Construction of boundary wall of SUH at Bhatpara’ under DAY-NULM

Sir,

Administrative approval & financial sanction is hereby accorded for the scheme ‘Construction of boundary wall of SUH at Bhatpara’ at an estimated cost of ₹ 15,63,678.00 (₹ Fifteen lakh sixty three thousand six hundred seventy eight) only at Bhatpara Municipality.

Fund to be released in 2 (two) equal instalments only after receipt of requisition from Bhatpara Municipality. 50% of the fund to be released after issuance of work order. Rest 50% to be released after completion of the scheme and submission of a physical completion report by the implementing agency. The work will be tendered by Bhatpara Municipality and executed under technical supervision of MED. Work to be executed strictly in accordance with the estimate vetted by the MED. Onsite deviation during execution required if any is to be carried out with prior approval from this office. The sanctioned amount is not to be utilised for any other purposes other than the scheme for which it has been sanctioned.

This issues with the approval of the Principal Secretary, UD & MA Department, Govt. of West Bengal.

Yours faithfully,



13/09/19

Jt. Secretary, UD &amp; MA Dept.

&amp;

Addl. Mission Director, WBSULM

13.09.2019

SUDA-468/2019/6433/1(6)

Copy forwarded for information to:

- (1) Secretary, MED
- (2) Chief Engineer, MED
- (3) Superintending Engineer, MED (Concerned Circle)
- (4) Executive Engineer, North 24 PS Division, MED
- (5) Executive Officer, Bhatpara Municipality
- (6) CMMU, Bhatpara Municipality



13/09/19

Jt. Secretary, UD &amp; MA Dept.

&amp;

Addl. Mission Director, WBSULM

দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

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

Account Section : 2358 6408



**Government of West Bengal**

**Office of the Executive Engineer, North 24-Parganas Division,**

**Municipal Engineering Directorate**  
7, K.B. Bose Rd. (2<sup>nd</sup> floor) Bhatpara, North 24-Pgs  
Kolkata-700 124

**Phone No.:- (033) 2584-4288**

**Email :- north24pgsdivisionmed@gmail.com**

*S. DeCana*  
*Please for today*  
*3/9/19*

No. : MED/PRG-1/

/1N-07/16

Date:- 03.09.2019

To  
The Chairman  
Bhatpara Municipality



**Sub :** Vetting of estimate for construction of Boundary Wall for Urban Homeless at Kuberpur in ward no. 31 under NULM within Bhatpara Municipality.

**Ref:** Your office memo no. M-10/PWD/DR-1/2771 dt.03.09.2019

Sir,

Enclosed please find herewith the estimate in duplicate for above noted subject under NULM of your municipality total amounting to ₹ 15,63,678.00 (Rupees Fifteen Lakh Sixty Three Thousand Six Hundred Seventy Eight) only including 12% GST, 1% Labour Welfare CESS and 3% contingency duly vetted from this end for taking further necessary action from your end please.

Thanking you,

Encl. : As stated

Yours faithfully,

*Sd/-*  
Executive Engineer  
North 24-Pgs. Division, M.E.Dte.

No. : MED/PRG-1/

/1N-07/16

Date:- 03.09.2019

**Copy forwarded for information to :**

- ✓ 1) The Jt. Secretary, UD & MA Department, & Addl. Mission Director, WBSULM
- 2) The Chief Engineer, M.E.Dte. Bikash Bhavan (1<sup>st</sup> floor), Salt Lake City, Kolkata- 700 091
- 3) The Superintending Engineer, East Circle, M.E.Dte., AB - 30/1, Prafullya Kanan (West), Krishnapur, Baguiati, Kolkata - 700101

*Sd/-*  
Executive Engineer  
North 24-Pgs. Division. M.E.Dte



**OFFICE OF THE MUNICIPAL COUNCILLORS, BHATPARA**  
1/1, West Ghosh Para Road, Kankinara, North 24 Parganas. Pin-743126, W.B.  
Phone - 2581-2082/9515, Fax - 2581-1318/0619

**Estimate for the Construction of Boundary Wall for Shelter of Urban Homeless at Kutubpur in ward no.-31, under Bhatpara Municipality.**

Followed latest P.W.D Building Schedule Incorporation of GST Act, 2017 & All addenda & Corrigenda of SOR, 01.12.2015

S/ No	P/Item No.	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	P-1, I-2(a)	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete (a) <b>Depth of excavation not exceeding 1,500 mm.</b>	103.000	%Cum	11927.00	12284.81
2	P-14 I-1	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	145.000	sq.m.	361.00	52345.00
3	P-16, I-16	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) (a) With earth obtain from excavation of foundation.	20.000	%Cum	7754.00	1550.80
		c) (i) With carried earth arranged by the contractor within a radius of 1 km. including cost of carried earth.	55.000	%Cum	31271.00	17199.05
4	P-16, I-16	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	245.000	Sq.M	736.00	180320.00
5	P-15, I-8	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth	11.000	Cu.M.	5413.00	59543.00
		(b) In superstructure, ground floor	6.000	Cu.M.	5636.00	33816.00
6	P-22 I-34	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety] (a) 1:3:6 proportion	9.000	Cu.M.	5376.00	48384.00
7	P-10 I-26	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety	50.000	Cu.M.	6042.72	302136.00
8	P-40 I-43	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), 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. (a) For works in foundation and upto roof of ground floor/upto 4 m (i) Tor steel/Mild Steel other than I. SAIL/ TATA/RINL	3.900	M.T	68200.00	265980.00
9	P-42 I-36	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)When the height of a particular floor is more than 4 m the equivalent floor height shall be taken as 4 m and extra for works beyond the initial 4 m ht. shall be allowed under 12 (e) for every 4 m or part thereof (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	210.000	Sq.M.	335.00	70350.00
		b) 25 mm to 30 mm thick wooden shuttering without staging as per decision & direction of Engineer-In-Charge.	55.000	Sq.M.	209.00	11495.00

S/ No	P/Item No.	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
10	P-42 I-36	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor). [Excluding cost of chipping over concrete surface] c) 15 mm thick plaster (i) With 1:4 cement mortar.	800.000	Sq.M.	167.00	133600.00
11	P-200 I-1	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	28.000	Sq.M.	29.00	812.00
12	P-200 I-2	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (b) On steel or other metal surface. With other than hi-gloss of approved quality. (iv) Two coats (with any shade except white)	28.000	Sq.M.	72.00	2016.00
13	P-196 I-8	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: (a) One Coat	800.000	%Sq.M.	3140.00	25120.00
14	P-197 I-17	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) a) Normal Acrylic Emulsion	800.000	Sq.M.	67.00	53600.00
15	P-105 I-16	M.S. gate of Jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in -charge. In ground floor.	2.500	Qntl.	7566.00	18915.00
16	P-219 I-2	(a) Supplying, fitting galvanised 3 ply 12 gauge / 4 points line of barbed wire in fencing (holes already made in the body of the post) or fixed by staples tightening and fixing the wires in taut condition with straining bolts including the cost of cutting and of lapping joints in the wire as necessary but excluding the cost of galvanised staples, straining bolt and binding wire where necessary.	400.000	%Mtr.	2768.00	11072.00
17	P-220 I-4	Supplying galvanised straining bolts (with eye at one end with double nuts and washers) fitted and fixed complete. (ii) 12 mm. dia. (b) 200 mm.	260.000	Each.	68.00	17680.00
18	P-221 I-18	Supplying galvanised staples fitted and fixed complete. 19 mm to 25 mm size	260.000	% Nos	222.00	577.20
19	P-99 I-1	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-incharge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc.) For structural members of specified sections weighing less than 22.5 Kg./m	0.400	M.T	59119.00	23647.60



S/No	P/Item No.	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
10	P-12 I-36	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor). [Excluding cost of chipping over concrete surface] c) 15 mm thick plaster N) With 1:4 cement mortar.	762.212	Sq.M.	167.00	127289.40
11	P-200 I-1	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	27.360	Sq.M.	29.00	793.44
12	P-200 I-2	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (b) On steel or other metal surface : With other than high glass... (iv) Two coats (with any shade except white)	27.360	Sq.M.	72.00	1969.92
13	P-196 I-8	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (mat finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: (a) One Coat	762.212	%Sq.M.	3140.00	23933.46
14	P-197 I-17	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) a) Normal Acrylic Emulsion	762.212	Sq.M.	67.00	51068.20
15	P-105 I-16	M.S. gate of Jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in-charge. In ground floor.	1.848	Qntf.	7566.00	13981.97
16	P-219 I-2	(a) Supplying, fitting galvanised 3 ply 12 gauge / 4 points line of barbed wire in fencing (holes already made in the body of the post) or fixed by staples tightening and fixing the wires in taut condition with straining bolts including the cost of cutting and of lapping joints in the wire as necessary but excluding the cost of galvanised staples, straining bolt and binding wire where necessary.	346.460	%Mtr.	2768.00	9590.01
17	P-220 I-4	Supplying galvanised straining bolts (with eye at one end with double nuts and washers) fitted and fixed complete. (ii) 12 mm. dia. (b) 200 mm.	256.000	Each.	68.00	17408.00
18	P-221 I-18	Supplying galvanised staples fitted and fixed complete. 19 mm to 25 mm size	256.000	% Nos	222.00	568.32
19	P-99 I-1	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS: 814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental charges such as electricity charges, labour insurance charges etc.) For structural members of specified sections weighing less than 22.5 Kg./m	1.440	M.T	59119.00	85131.36

<b>TOTAL AMOUNT</b>	<b>1342443.46</b>
Add GST @ 12%	161093.22
<b>Total including GST</b>	<b>1503536.68</b>
Add Labour Welfare Cess @ 1%	15035.37
<b>Total including GST &amp; L.W.Cess</b>	<b>1680801.77</b>
Contingency @ 3%	45106.10
<b>Say Rs..</b>	<b>1731226.15</b>

*Fifteen Lakh's Sixty Three Thousand Six hundred  
Seventy Eight Only.*

*Ras*  
21/08/19  
Sub-Asst. Engineer  
Bhatpara Municipality

*21/8/19*  
Engineer  
Bhatpara Municipality

*Soum S. J.*  
Chairman  
Bhatpara Municipality

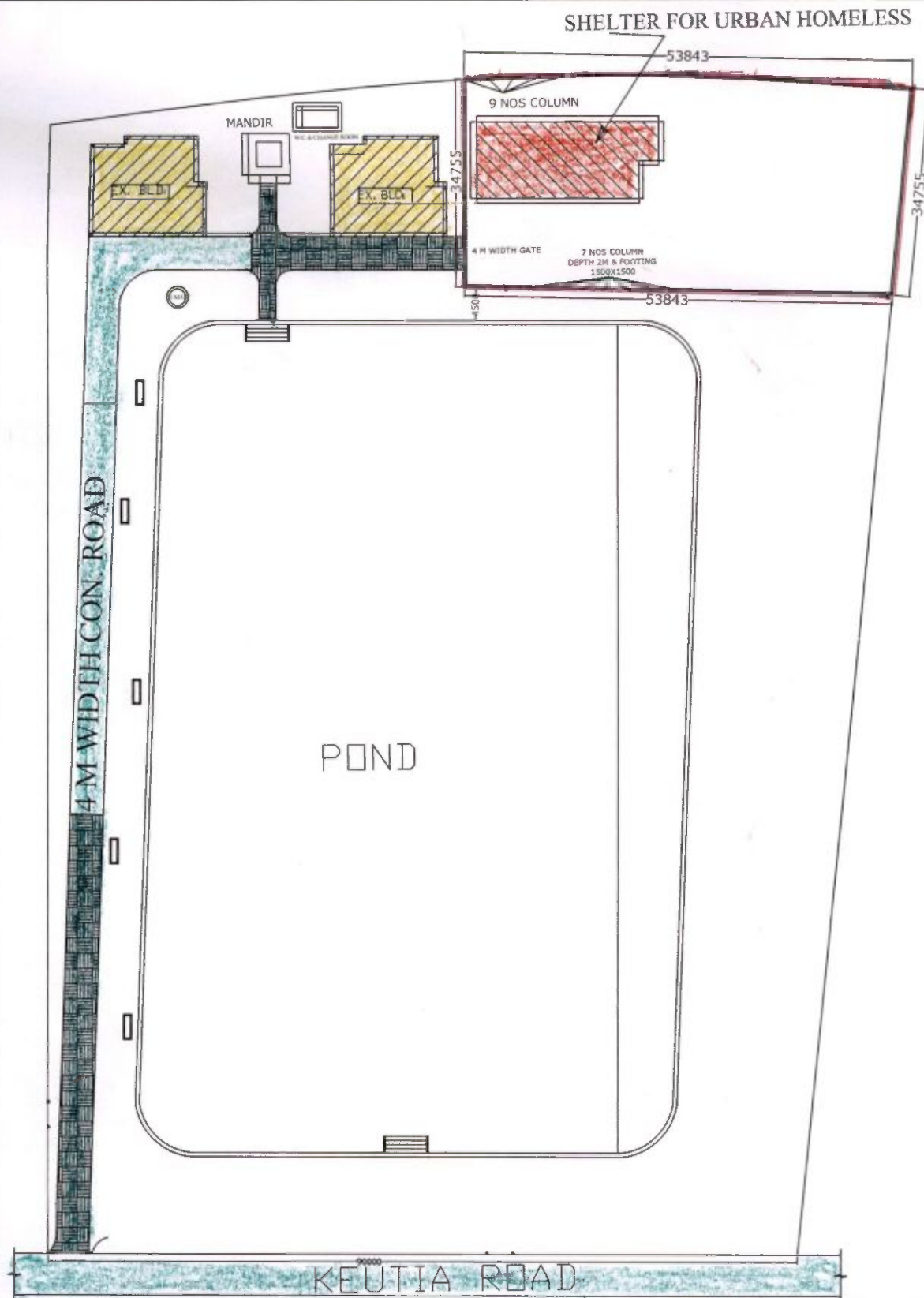
Estimate checked  
*D*  
Junior Engineer (Civil)  
North 24 Parganas Division  
Municipal Engineering Directorate  
Deptt. of U.D. & M.A.  
Government of West Bengal

*21/08/2019*  
Government of West Bengal  
Deptt. of U.D. & M.A.  
Municipal Engineering Directorate  
North 24 Parganas Division  
Assistant Engineer (Civil)

*21/8/19*  
Executive Engineer  
North 24- Parganas Division  
Deptt. of U.D. & M.A.  
Government of West Bengal

**VETTED**

SITE PLAN FOR PROPOSED BOUNDARY WALL FOR SHELTER FOR URBAN HOMELESS AT NARAYANPUR, KUTUBPUR, WARD NO 31, MOUZA- PANPUR, J.L. NO- 05, DAG NO- 380( R.S.), 843 (L.R.), L.R. KH NO- 2685 P.S. -JAGATDAL, DIST. - N-24-PGS., UNDER BHATPARA MUNICIPALITY.



SCALE-1:1050

*[Signature]*

S A E  
BHATPARA MUNICIPALITY

*[Signature]*

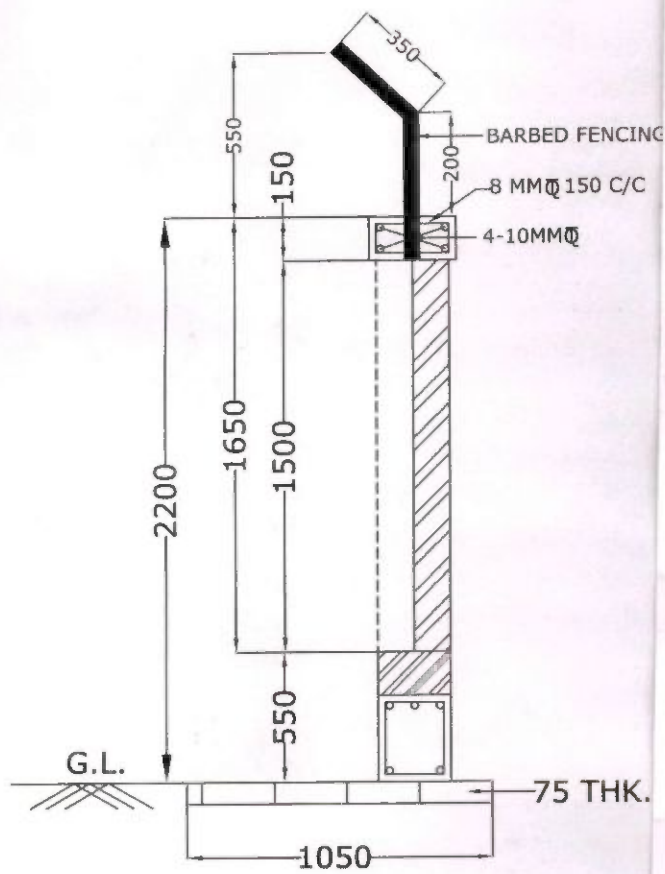
ENGINEER  
BHATPARA MUNICIPALITY

*[Signature]*

CHAIRMAN  
BHATPARA MUNICIPALITY

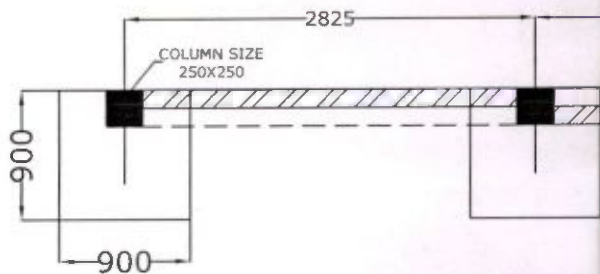


# CONSTRUCTION OF BOUNDARY WALL WARD NO-31, UNDER B



DETAILS SECTION OF  
BOUDARY WALL  
SCALE = 1:25

Assistant  
North 24  
Munic'pal E  
Dep  
Govern



PLAN O

**সূডা**

**NOTE SHEET**

**SUDA**

Construction of 22 (twenty two) SUHs have been completed and of which 14 (fourteen) SUHs have been made functional. During visits to this facilities and based on the feedback received from the operating NGOs, it is absolutely essential to construct a boundary wall enclosing the entire perimeter of the land allocated for the construction of the SUHs. This is essential not just to ensure the safety and security of the inmates but also to enable the SUHs to raise a kitchen garden and / or a work shed for some economic activities. A model estimate for a meter of boundary wall has been prepared by MED along with a cross section of the boundary wall (placed on the cp side) put at Rs.10,522 (Rs. ten thousand five hundred & twenty two only. The following decision points may kindly be accorded.

1. An in-principle approval for construction of boundary wall may be given at all SUHs which are completed / ongoing.
2. Infrastructure of 22 (twenty two) SUHs have been completed and 20 (twenty) SUHs are in progress. Therefore the boundary wall would have to constructed at 42 (forty two) sites.
3. The concerned ULBs may be required to prepare a vetted estimate based on the perimeter of the allotted land and submit the same to SUDA for according administrative approval and financial sanction.
4. The proposal so received and approved may be placed at the Project Sanction Committee for post facto approval.
5. The cost for the boundary wall may be charged out of the NULM fund.

Director, SUDA

*Handwritten signature*  
24/06/19  
AMD

*Proposal above may kindly be approved.*

*sd/ 24/6/19*

~~Pr. Secretary  
D & MA Dept.~~

~~FA~~

U.O. No. SUDA...309.....

*Director, SUDA*

Dated...24.06.19.....

File No. SUDA-317/2016

*Handwritten signature*  
25/6/2019

~~DFA (PS)~~

*Handwritten signature*  
26/06/19



File No. SUDA-317/2016

File Name: Shelter for Urban Homeless under NULM for Rajpur Sonarpur Municipality

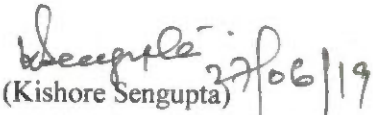
Notes prepages

The rate analysis for boundary wall appears to be in order as per PWD SOR 2017 read with the corrigenda issued from time to time.

The proposal at nsp 5 may be approved.



(Prasanta Sengupta)  
Dy Financial Advisor  
UD & MA Department



(Kishore Sengupta)  
Financial Advisor & E.O. S. S  
UD & MA Department

~~Principal Secretary,  
U.D. & M.A. Department~~

~~Director, SUDA~~

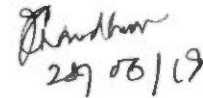
~~ACD~~

S. De. SMM

Drop-please

  
27/06/2019

28/6

  
28/06/19

## রাজ্য নগর উন্নয়ন সংস্থা

## STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ  
 “ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

SUDA-468/2019/৬২৪৬

05.09.2019

ক্রমিক নং .....

তারিখ .....

From : Shri Joly Chaudhuri WBCS (Exe.),  
 Jt. Secretary, UD & MA Department &  
 Addl. Mission Director, WBSULM

To : Chairman,  
 Kalyani Municipality

Sub : Administrative approval & financial sanction for 'Construction of boundary wall of SUH at Kalyani' under DAY-NULM

Sir,

Administrative approval & financial sanction is hereby accorded for the scheme 'Construction of boundary wall of SUH at Kalyani' at an estimated cost of ₹ 951675.00 (₹ Nine lakh fifty one thousand six hundred seventy five) only at Kalyani Municipality.

Fund to be released in 2 (two) equal instalments only after receipt of requisition from Kalyani Municipality. 50% of the fund to be released after issuance of work order. Rest 50% to be released after completion of the scheme and submission of a physical completion report by the implementing agency. The work will be tendered by Kalyani Municipality and executed under technical supervision of MED. Work to be executed strictly in accordance with the estimate vetted by the MED. Onsite deviation during execution required if any is to be carried out with prior approval from this office. The sanctioned amount is not to be utilised for any other purposes other than the scheme for which it has been sanctioned.

This issues with the approval of the Principal Secretary, UD & MA Department, Govt. of West Bengal.

Yours faithfully,

*Joly Chaudhuri*  
 05.09.19

Jt. Secretary, UD & MA Dept.  
 &  
 Addl. Mission Director, WBSULM

SUDA-468/2019/ 6286/1(6)

05.09.2019

Copy forwarded for information to:

- (1) Secretary, MED
- (2) Chief Engineer, MED
- (3) Superintending Engineer, MED (Concerned Circle)
- (4) Executive Engineer, Nadia Division, MED
- (5) Executive Officer, Kalyani Municipality
- (6) CMMU, Kalyani Municipality

*Joly Chaudhuri*  
 05.09.19

Jt. Secretary, UD & MA Dept.  
 &  
 Addl. Mission Director, WBSULM

দুরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

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

Account Section : 2358 6408



## রাজ্য নগর উন্নয়ন সংস্থা

## STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ  
 “ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

SUDA-468/2019/৬২৪৭

05.09.2019

ক্রমিক নং .....

তারিখ .....

From : Shri Joly Chaudhuri WBCS (Exe.),  
 Jt. Secretary, UD & MA Department &  
 Addl. Mission Director, WBSULM

To : Chairman,  
 Purulia Municipality

Sub : Administrative approval & financial sanction for ‘Construction of boundary wall of SUH at Purulia’ under DAY-NULM

Sir,

Administrative approval & financial sanction is hereby accorded for the scheme ‘Construction of boundary wall of SUH at Purulia’ at an estimated cost of ₹ 934490.44 (₹ Nine lakh thirty four thousand four hundred ninety & forty four paisa) only at Purulia Municipality.

Fund to be released in 2 (two) equal instalments only after receipt of requisition from Purulia Municipality. 50% of the fund to be released after issuance of work order. Rest 50% to be released after completion of the scheme and submission of a physical completion report by the implementing agency. The work will be tendered by Purulia Municipality and executed under technical supervision of MED. Work to be executed strictly in accordance with the estimate vetted by the MED. Onsite deviation during execution required if any is to be carried out with prior approval from this office. The sanctioned amount is not to be utilised for any other purposes other than the scheme for which it has been sanctioned.

This issues with the approval of the Principal Secretary, UD & MA Department, Govt. of West Bengal.

Yours faithfully,

*Chaudhuri*  
 05.09.19

Jt. Secretary, UD &amp; MA Dept.

&amp;

Addl. Mission Director, WBSULM

SUDA-468/2019/৬২৪৭/১৬

05.09.2019

Copy forwarded for information to:

- (1) Secretary, MED
- (2) Chief Engineer, MED
- (3) Superintending Engineer, MED (Concerned Circle)
- (4) Executive Engineer, Purulia Division, MED
- (5) Executive Officer, Purulia Municipality
- (6) CMMU, Purulia Municipality

*Chaudhuri*  
 05.09.19

Jt. Secretary, UD &amp; MA Dept.

&amp;

Addl. Mission Director, WBSULM

দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

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

Account Section : 2358 6408

পুরুলিয়া পৌরসভার কাউন্সিলারগণের কার্যালয়-  
Office of the Councillors Purulia Municipality

দিনাঙ্ক -----

Date-29/7/19

পুরুলিয়া - ৭২৩১০১

পত্রাঙ্ক -----

Memo No. 1036-M.G.

Purulia -723101

To

The Jt. Secretary, UD & MA Department &  
Addl. Mission Director, WBSULM  
Kolkata

S. De S M M  
29-07-19

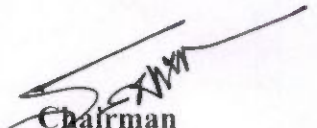


Sir,

In reference to the letter received from Jt. Secretary, UD & MA Department & Addl. Mission Director, and WBSULM. vide Memo No.SUDA-317/2016/4512,Dated:-08.07.2019 the undersigned is hereby sending the vetted estimate of Boundary wall at SUH as detailed in the abstract enclosed herewith kindly accord administrative approval and financial sanction of the Schemes as detailed in the abstract.

Thanking you

Yours faithfully

  
Chairman  
Purulia Municipality

Memo No-.....

Dated.....

Copy forwarded for information to:

- 1) Secretary ,MED
- 2) Chief Engineer, MED
- 3) Superintending Engineer MED (South Circle)
- 4) Executive Engineer, MED, Purulia Division



Chairman  
Purulia Municipality



সুডা

রাজ্য নগর উন্নয়ন সংস্থা

SUDA

STATE URBAN DEVELOPMENT AGENCY

"ইলগাস ভবন", এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ  
"ILGUS BHAVAN", H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

ক্রমিক নং SUDA-317/2019/4512

তারিখ 08.07.19

From : Jt. Secretary, UD & MA Department &  
Addl. Mission Director, WBSULM

To : Executive Engineer, MED,  
(All Division)

**Sub : Submission of estimates for boundary wall at SUH**

Sir/ Madam,

Department has taken a decision to construct a boundary wall across the perimeter of the demarcated land at all the SUHs that are either functional, completed or in progress. The list of SUHs is annexed. A model estimate along with a drawing is also enclosed. The concerned ULBs have been informed already.

You are requested to get the estimate prepared in line with the model estimate and drawing and vetted for submission through the ULB to SUDA to accord administrative approval and financial sanction.

In case of any query you may contact Soumen De, State Mission Manager-S&SI at 897733906, e mail id. smmwbsulm@gmail.com.

The vetted estimates are to be submitted within 31<sup>st</sup> of July 2019.

Matter urgent.

Encl : as stated

Yours faithfully,

*Soumen De*  
08.07.19

Jt. Secretary, UD & MA Dept.

&

Addl. Mission Director, WBSULM

SUDA-

08.07.2019

Copy forwarded for information to :

1. Secretary, MED
2. Chief Engineer, MED

Jt. Secretary, UD & MA Dept.

&

Addl. Mission Director, WBSULM

দুরত্ব : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

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

Account Section : 2358 6408

**Estimate for the Construction of Boundary wall of Shelter for Urban Homeless at Dhabghata in Ward no - 16 under Purulia Municipality.**

**A) Civil Works.**

Sl. No.	Description of item	Quantity	Unit	Rate	Amount
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.				
	a) Depth of excavation not exceeding 1500 mm.	90.00	%cum.	11,927.00	10,734.30
2	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) (a) With earth obtained from excavation of foundation.				
		71.00	%cum.	7,754.00	5,505.34
3	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.				
		67.00	sq.m	266.00	17,822.00
4	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. a) Pakur Variety				
		5.00	M3	4,818.66	24,093.30
5	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety				
		35.00	M3	5,383.96	188,438.60
6	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)				
	(a) 25 mm to 30 mm shuttering without staging in foundation	151.00	sqm	205.00	30,955.00
	(b) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	32.00	sqm	324.00	10,368.00
7	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), 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. (a) For works in foundation, basement and upto roof of ground floor/upto 4 m (i) Tor steel/Mild Steel I. SAIL/ TATA/RINL				
		3.00	MT	70,241.05	210,723.15



8	Brick work with Fly Ash Bricks (230 X 110 X 70 size) set in cement sand mortar (1:6) including raking out joints, curing, scaffolding etc. complete in all respect.				
	(a) In ground floor	5.00	cum.	3,998.00	19,990.00
	b) in super structure	13.00	cum.	4,236.00	55,068.00
9	125 mm. thick Flyash brick work as per IS 12894:2002 in cement mortar (1:4) in ground floor.				
	(a) In ground floor	210.00	Sq.M	251.00	52,710.00
10	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]				
	ii) 15 mm thick plaster with (1:6) cement mortar.	525.00	sqm	135.00	70,875.00
11	b) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	25.00	Sq.M	29.00	725.00
12	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :				
	b. On steel or other metal surface with super gloss (hi gloss) 2coats (with any shade except white).	25.00	Sq.M	77.00	1,925.00

13	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface bld or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC. One Coat	525.00	%Sqm	3,140.00	16,485.00
14	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. a) Normal Acrylic Emulsion	525.00	Sqm	67.00	35,175.00
15	M.S. gate of Jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in-charge.	2.50	Qntl	10,090.00	25,225.00
16	M.S. structural works in columns , beams ets. With simple rolled structural members (e.g. joints , angle, channel section conorming to IS : 226, IS : 808 & Sp (6)- 1964 connected to one another with bracket , gussets , cleats as per design , direction of Engineer in Charge complete including cutting to requisite shape and length fabrication with necessary bolting , metal arc welding conforming to IS - 816 - 1956 & Is- 1995 using eletrodes of approved make and brand conforming to IS: 814-1957, haulage, hoisting and erection all complete. the rate includes the cost of rolled steel section consumables such as eletrodes, gas and hire charges of all tools and plants and labour required for the work including all incidental charges such as electricity charges , labours charges etc.				
	Payment to be made on the basis of calculated weight of structural members only in finished work  as per IS specification weight. Payment for gusset , brucket, cleat, rivets, bolts and nuts may be make by adding the actual weight of such items with the weight finished structural members or 7% of weight for finished structural members weighting not less than 22.5 kg /m or 15 % of weight for finished structural members weighting less than 22.5 kg/m may be increased allow for bracket cleat, rivet bolts and nuts etc. and no seperate payment being made for these items as per direction of Engineer in charge . the rates are considered for height of crection 8 m / 2nd floor level from the grounds . add 1.5% extra over the for each additional floor or 4 m beyind 8m or part thereof.				

	i) For structural members of specified section weighing less than 22.5 kg/m	0.30	MT	61,009.00	18,302.70
17	Supplying fitting galvanised 3 ply 12 gauge/ 4 points line of barbed wire in fencing ( holes already made in the body of the post) or fixed bt staple tightening and fixing the weir in taut condition with straining bolts including the cost of cutting and and lapping joints in the wire as necessary but excluding the cost of galvanised staples, straining bolts and binding wire where necessary. ( Payment to br made on the length of individual lines of wire.)	130.00	%Mtr	2,768.00	3,598.40
18	Supplying galvanised staples fitted and fixed complete. 32.5 mm. to 37.5 mm. Size	130.00	%Mtr	281.00	365.30
19	Supplying galvanised straining bolts (with eye at one end with double nuts and washers) fitted and fixed complete. (i) 12 mm. dia. (a) 250 mm.	40.00	Each	74.00	2,960.00
		<b>Total Amount (A) Rs.</b>		<b>802,044.09</b>	
		<b>(B) 12 % GST Rs.</b>		<b>96,245.29</b>	
		<b>Total Amount (A+B) Rs.</b>		<b>898,289.38</b>	
		<b>Labour Welfare Cess @ 1%</b>		<b>8,982.89</b>	
		<b>Gross Amount Rs.</b>		<b>907,272.27</b>	
		<b>Add 3% Contengency Rs.</b>		<b>27,218.17</b>	
		<b>Gross Amount Rs.</b>		<b>934,490.44</b>	

*Pradip*  
22/07/19  
Sub-Assistant Engineer  
Purulia Municipality

*Suman*  
23/07/19  
Assistant Engineer  
Purulia Municipality

*Suman*  
Chairman  
Purulia Municipality

*Pradip*  
24/07/19  
JUNIOR ENGINEER (CIVIL)  
Purulia Division  
M.E. Dte.,  
Govt. of (W.B.)

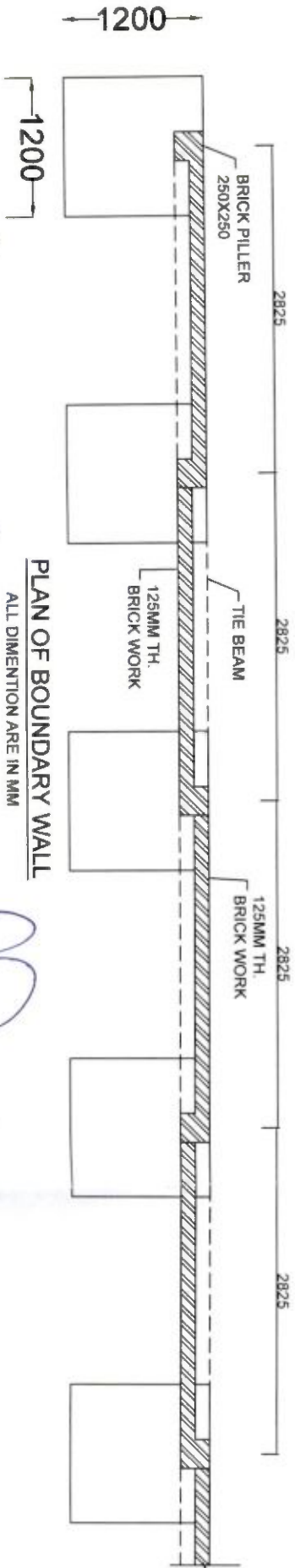
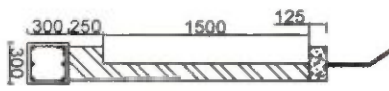
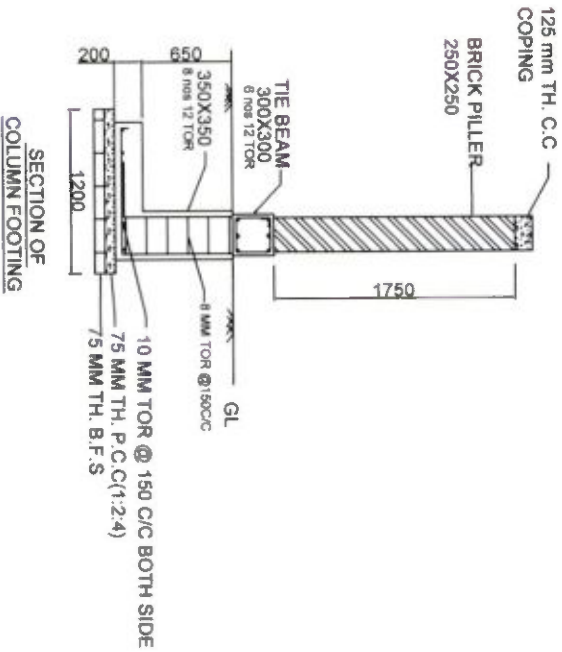
May Be Vetted  
*Pradip*  
24/07/19  
Assistant Engineer  
Purulia Division  
Municipal Engr. Directorate  
UD & MA Deptt.  
Govt. of West Bengal

Vetted  
*Pradip*  
24/07/19  
Executive Engineer  
Purulia Division  
Municipal Engr. Directorate  
UD & MA Deptt.  
Govt. of West Bengal



**PLAN & SECTIONAL ELEVATION OF BOUNDARY WALL OF NULM BUILDING AT DHABGHATA,  
UNDER NUHM PROGRAMME AT WARD NO -16 WITH IN PURULIA MUNICIPALITY.**

*Shubho*  
22/07/19  
Sub-Assistant Engineer  
Purulia Municipality



**PLAN OF BOUNDARY WALL**  
ALL DIMENTION ARE IN MM

*Shubho*  
22/07/19  
Assistant Engineer  
Purulia Municipality

*Shubho*  
24/07/19  
JUNIOR ENGINEER (CIVIL)  
Purulia Division  
M.E. Dte.,  
Govt. of (W.B.)

*Shubho*  
24/07/19  
Assistant Engineer  
Purulia Division  
Municipal Engr. Directorate  
UD & MA Deptt.  
Govt. of West Bengal

*Shubho*  
24/07/19  
Executive Engineer  
Purulia Division  
Municipal Engr. Directorate  
UD & MA Deptt.  
Govt. of West Bengal

*Shubho*  
Chairman  
Purulia Municipality



**Office of the**  
**Kalyani Municipality**

PH : (033) 2582 8455, 9569, 9570, FAX: -8630

e-mail : info@kalyanimunicipality.org

**City Centre Complex : Kalyani : Nadia : West Bengal : PIN-741235**

Memo No :- 4665 /KM

Date:- 08/08./2019

From :- Sri Chitradip Sen  
Executive Officer,  
Kalyani Municipality,

To :-  
Jt. Secretary, UD & MA Department  
& Addl. Mission Director, WBSULM

S. D. S. M. N.  
2  
2018/8



AMD (J.C.)

Subject :- Submission of vetted estimation of construction of boundary wall of four storied shelter for Urban housing under National Urban livelihood Mission within Kalyani Municipality.

Ref memo No. :- SUDA – 23/ 2014 (MPR) / 4468(35)

dated – 04/07/2019

Dear Sir,

We are submitted herewith the vetted DPR of boundary wall of four storied shelter for Urban housing under National Urban livelihood Mission within Kalyani Municipality for necessary administrative approval & financial sanction. Length of boundary wall is 102 metres and vetted estimated cost Rs. 9,51,675.00/- .

This is for your information and necessary action for further step of work in this connection.

Thanking You

Your Sincerely

08.8.19

Executive Officer

Kalyani Municipality

D. Banik

Memo No :- /KM

Date:-...../...../2019

Copy forwarded to:-

1. Director, SUDA ILGUS BHAVAN.
2. Executive Engineer, MED, Nadia Division.
3. Chairman, Kalyani Municipality, Kalyani Nadia.
4. Finance Officer, Kalyani Municipality, Kalyani Nadia.
5. Assistant Engineer, Kalyani Municipality, Kalyani Nadia.

08.8.19

Executive Officer

Kalyani Municipality

D. Banik





Office of the Kalyani Municipality  
City Centre Complex: Kalyani: Nadia.

Ph: (033) 25828455,

Fax: (033) 25828630

Memo No. 4397/K.M

Date: 24.07.2019

From,  
The Chairman  
Kalyani Municipality  
Kalyani, Nadia.

To,  
The Executive Engineer MED  
Nadia Division,  
Krishnanagar, Nadia

**Sub:** Submission of Construction of Boundary Wall of four storied Shelter for Urban Homeless under National Urban Livelihood Mission within Kalyani Municipality

Sir,

I am Submitting the DPR of Boundary Wall of four storied Shelter for Urban Homeless under National Urban Livelihood Mission within Kalyani Municipality for necessary vetting of the detailed estimate considered within the DPR.

This is for your information and necessary action for further step of work in this Connection.

Yours faithfully,

Chairman,

Kalyani Municipality,

B.Paul-

Date: 24.07.2019

Enclosed: - copies of Estimate

Memo No. 4397(3)/K.M

Copy to.....

- 1) The Executive Officer, Kalyani Municipality, Nadia
- 2) AE., Kalyani municipality, Nadia
- 3) AE. (Jnnurm, SBM, HFA) Kalyani municipality, Nadia

Yours faithfully,

Chairman

Kalyani Municipality

B.Paul-



o/c



GOVERNMENT OF WEST BENGAL  
OFFICE OF THE EXECUTIVE ENGINEER  
NADIA DIVISION  
MUNICIPAL ENGINEERING DIRECTORATE  
MUNICIPAL AFFAIRS DEPARTMENT



পশ্চিমবঙ্গ সরকার  
নির্বাহী বাস্তুকারের 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/ 274(1) /1S-327/2017

Dated: 29/07/2019

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

To : The Chairman  
Kalyani Municipality  
Kalyani, Nadia.

Sub: Vetting of estimate for the work of Construction of **Boundry wall** of four storied shelter for Urban Homeless under National Urban Livelihood Mission within Kalyani Municipality

Ref: Your Memo No. 4377/KM dt-26.07.2019.

Sir,

Enclosed please find herewith three copies of estimate each duly vetted from this end based on PWD (WB) schedule of rates for Building Works w.e.f 1<sup>st</sup> November, 2017 alongwith latest Corrigenda and Addenda including 12 % GST, 1% labour & welfare Cess & 3% contingency for favour of your kind information and necessary action from your end.

The vetted estimate is as follows


Sl no	Description of works	Vetted amount
1	Estimate for the work of Construction of <b>Boundry wall</b> of Four storied shelter for Urban Homeless under National Urban Livelihood Mission within Kalyani Municipality	9,51,675.00

**Total Rs. 9,51,675.00**

Thanking you

Encl:- As stated

Yours faithfully

  
Executive Engineer  
Nadia Division, M.E.Dte.

Memo No. ME/KNR/

/1S-327/2017

Dated: 29/07/2019

Copy forwarded for information to:-

1) The Superintending Engineer (East Circle), M. E. Dte., AB-30/1, PrafullaKanan (West), Krishnapur, Baguiati, Kolkata - 700 101.

Executive Engineer  
Nadia Division, M.E.Dte.

**Estimate for the work of Construction of Boundary Wall of four storied Shelter for Urban Homeless under National Urban Livelihood Mission within Kalyani Municipality.**

**Length of the boundary wall-102.00 Metre**

SL. No.	Description of Item(s)	Quantity	Unit	Rate (Rs.)	Per Unit	Amount (Rs.)
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-2, Page No. - 1 (a) Depth of excavation not exceeding 1,500 mm.	73.84 <del>80.59</del> 79.25 70.980	Cum	11927.00	%Cum	8806.90 <del>8465.78</del>
2	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 1 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 14	83.355	Sq.M.	361.00	Sq.M.	30091.16
3	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work)  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 1 (a) With earth obtained from excavation of foundation.	51.69 <del>56.44</del> 21.236	Cum	7754.00	%Cum	4008.04 <del>1646.66</del>
4	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 3 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-16, Page No. - 16	137.250	Sq.M.	736.00	Sq.M.	101016.00
5	Brick work with 1st class bricks in cement mortar (1:6)  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 1 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-8, Page No. - 15 (a) In foundation and plinth (b) In superstructure, ground floor	6.375 3.938	Cu.M. Cu.M.	5413.00 5636.00	Cu.M. Cu.M.	34507.88 22191.75



SL No.	Description of Item(s)	Quantity	Unit	Rate (Rs.)	Per Unit	Amount (Rs.)
6	(i) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety]  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 17 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-22, Page No. - 34 (a) 1:3:6 proportion	4.536	Cu.M	5376.00	Cu.M	24385.54
7	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes.  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 12 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 26 (i) Pakur Variety	26.92 <del>25.610</del>	Cu.M.	5952.42	Cu.M.	160239.14 <del>152442.96</del>
8	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), 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.  2nd CORRIGENDA & ADDENDA, Dated: 18.04.2018, Page 2 of 4, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-40, Page No. - 43 (a) For works in foundation and upto roof of ground floor/upto 4 m (i) Tor steel/Mild Steel II SAIL/TATA/RINL JSN/JSPL/SHYAM/SRMB/SMASH ELECTROSTEEL/SSL	2.500	M.T.	67129.95 <del>70362.85</del>	M.T.	167819.87 <del>175907.13</del>
9	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-36, Page No. - 42 (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	25.675	Sq.m	335.00	Sq.m	8601.13
9	(f) 25 mm to 30 mm shuttering without staging in foundation	149.820	sq. m	209.00	sq. m	31312.38
	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 49 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 189					



SL. No.	Description of Item(s)	Quantity	Unit	Rate (Rs.)	Per Unit	Amount (Rs.)
10	(i) With 1:6 cement mortar (c) 15 mm thick plaster	491.640	Sq.M	151.00	Sq.M	74237.64
11	(a) 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	12.600	Sq.M	29.00	Sq.M	365.40
12	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-2, Page No. - 200 (b) On steel or other metal surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white)	12.600	Sq.M	79.00	Sq.M	995.40
13	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-8, Page No. - 196 In Ground Floor:	491.640	Sq.M	3140.00	Sq.M	15437.50
14	(a) One Coat  Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-17, Page No. - 197 In Ground floor (Two Coat)	491.640	Sq.M	67.00	Sq.M	32939.88
15	a) Normal Acrylic Emulsion  M.S. gate of Jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in-charge.  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 91 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-16, Page No. - 105 In ground floor.	3.150	Qntl.	10090.00	Qntl.	31783.50



SL. No.	Description of Item(s)	Quantity	Unit	Rate (Rs.)	Per Unit	Amount (Rs.)
16	(a) Supplying, fitting galvanised 3 ply 12 gauge / 4 points line of barbed wire in fencing (holes already made in the body of the post) or fixed by staples tightening and fixing the wires in taut condition with straining bolts including the cost of cutting and of lapping joints in the wire as necessary but excluding the cost of galvanised staples, straining bolt and binding wire where necessary.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-2, Page No. - 219	510 <del>102.000</del>	Mtr.	2768.00	%Mtr.	1411680 <del>2823.36</del>
17	Supplying galvanised straining bolts (with eye at one end with double nuts and washers) fitted and fixed complete.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-4, Page No. - 220 (b) 250 mm.	84.000	Each	74.00	Each	6216.00
18	Supplying galvanised staples fitted and fixed complete.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 221 (b) 32.5 mm. to 37.5 mm. size	230 <del>84.000</del>	Nos	281.00	%Nos	64630 <del>236.04</del>
19	Labour for fixing barbed wire - - - - - [I-146] page-223]	510	Mtr	308.00	%Mtr	157080
20	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc.  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 84 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 99 I) For structural members of specified sections weighing less than 22.5 Kg./m	0.630	MT	72603.00	MT	45739.89

*[Signature]*  
29/7/19.  
Junior Engineer (CIVIL)  
Nadia Division  
M.E.Dte., M.A.Deptt.  
Govt. of West Bengal.

*[Signature]*  
29/7/19.  
Assistant Engineer  
Nadia Division  
M.E.Dte., M.A.Deptt.  
Govt. of West Bengal

*[Signature]*  
26/7/19  
Sub-Assistant Engineer  
Kalyani Municipality

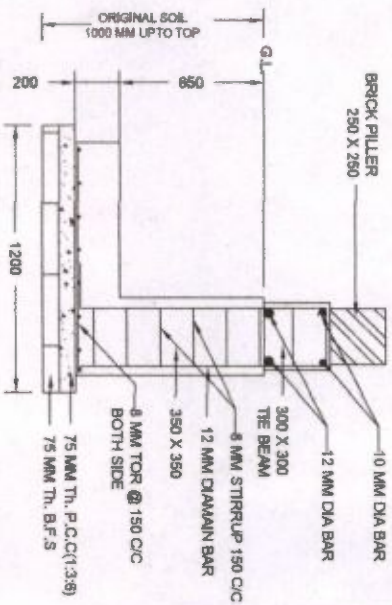
*[Signature]*  
29/7/19  
Assistant Engineer  
Kalyani Municipality

Total - 801342.98  
Add GST @12% - 96161.16  
Total excluding labour welfare Cess - 897504.14  
Add Cess @1% - 8975.04  
Total including labour welfare Cess - 906479.18  
Contingency @3% on 'Total excluding labour welfare Cess' - 26925.12  
Grand Total - 933404.30  
Say, Rs. 933404.00

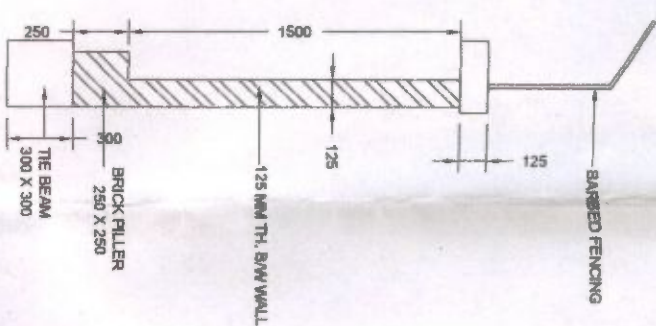
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98,043.47  
9,15,072.37  
9,150.72  
9,24,223.09  
27,452.17  
9,51,675.26  
Say - Rs. 9,51,675.00

*[Signature]*  
Chairman  
Kalyani Municipality

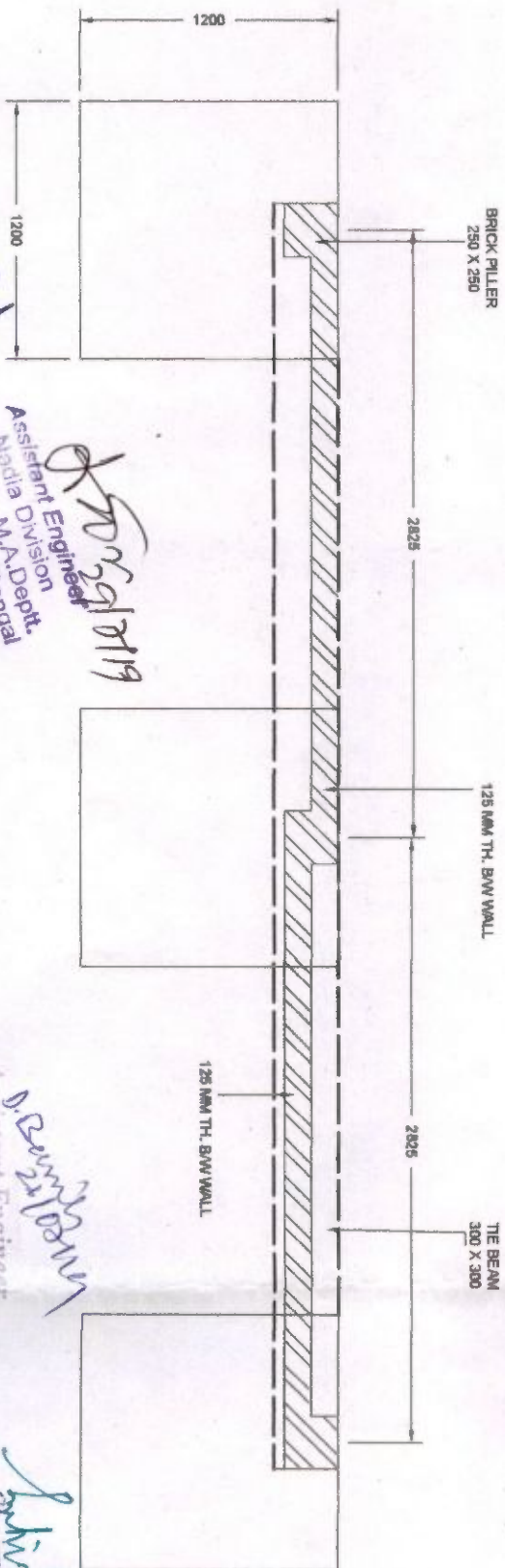




SECTION OF COLUMN FOOTING AT FIRM LAND



DETAILS OF SECTION OF BOUNDARY WALL OVER THE BEAM



PLAN OF BOUNDARY WALL

Sub-Assistant Engineer  
Kalyani Municipality

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

Assistant Engineer  
Kalyani Municipality

Kalyani Municipality



ANNEXURE - II

FORMAT - A

(Format for Rate Analysis of Cement Concrete items)

Site situated in Kalyani Municipality are 5 km away from Kalyani Station  
Type of Concrete = Ordinary Cement Concrete (mix 1:2:4)  
District = Kolkata / 24 Pgs (N & S)/Area of Kalyani Sub Div

Step - 1 Rate of item as per relevant section of PWD(WB), S.O.R. Volume -  
I: Building Works w.e.f. 01/11/2017 Schedule & 3rd Corrigenda = Rs.4060.0

Step - 2 Add cost of stone aggregate of different grading as per  
consumption required for one cum of concrete.

Rates of Pakur variety stone aggregates at Kalyani Railway yards [Table :  
T-1, Page-308 of PWD(WB), S.O.R. Volume - I : Building Works w.e.f.  
01/11/2017]

20 mm Nominal Size = 0.66 Cu.M. X Rs.1375.0 = Rs.907.5  
10 mm Nominal Size = 0.22 Cu.M. X Rs.1244.0 = Rs.273.68

Rs.1181.18

Step - 3 Add cost of carriage of stone aggregate as per consumption  
required for one cum of concrete. [Table : T-2, Page-310 of PWD(WB),  
S.O.R. Volume - I : Building Works w.e.f. 01/11/2017]

Road carriage from Kalyani RLY yard to work site = 5 KM

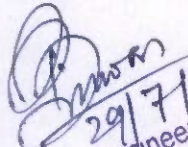
Carriage upto 5.0 km = Rs.124.0

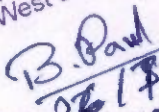
Total Carriage Cost = Rs.124.0 X 0.88 Cu.M. = Rs.109.12

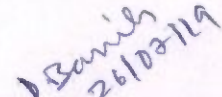
Step - 4 Add cost for loading and unloading of stone aggregate Rs. [Table  
: T-3, Page-311 of PWD(WB), S.O.R. Volume - I : Building Works w.e.f.  
01/11/2017]

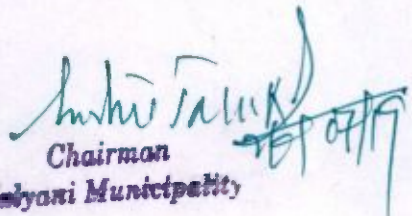
Total loading and unloading cost Rs.58.0 X 0.88 Cu.M. = 51.04

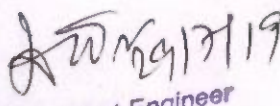
Final Rate of Item = 4060.0 + 1181.18 + 109.12 + 51.04 = Rs.5401.34

  
29/7/19  
Junior Engineer (CIVIL)  
Nadia Division  
M.E.Dte., M.A.Deptt.  
Govt. of West Bengal.

  
28/7/19  
Sub-Assistant Engineer  
Kalyani Municipality

  
26/08/19  
Assistant Engineer  
Kalyani Municipality

  
Chairman  
Kalyani Municipality

  
29/7/19  
Assistant Engineer  
Nadia Division  
M.E.Dte., M.A.Deptt.  
Govt. of West Bengal



ANNEXURE - II

FORMAT - A

(Format for Rate Analysis of Cement Concrete items)

Site situated in Kalyani Municipality are 5 km away from Kalyani Station  
Type of Concrete = Ordinary Cement Concrete (mix 1:1.5:3)  
District = Kolkata / 24 Pgs (N & S)/Area of Kalyani Sub Div

Step - 1 Rate of item as per relevant section of PWD(WB), S.O.R. Volume - I: Building Works w.e.f. 01/11/2017 Schedule & 3rd Corrigenda = Rs.4651.0

Step - 2 Add cost of stone aggregate of different grading as per consumption required for one cum of concrete.

Rates of Pakur variety stone aggregates at Kalyani Railway yards [Table : T-1, Page-308 of PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017]

20 mm Nominal Size = 0.573 Cu.M. X Rs.1375.0 = Rs.787.87

10 mm Nominal Size = 0.287 Cu.M. X Rs.1244.0 = Rs.357.03

Rs.1144.9

Step - 3 Add cost of carriage of stone aggregate as per consumption required for one cum of concrete. [Table : T-2, Page-310 of PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017]

Road carriage from Kalyani RLY yard to work site = 5 KM


Carriage upto 5.0 km = Rs.124.0

Total Carriage Cost = Rs.124.0 X 0.86 Cu.M. = Rs.106.64

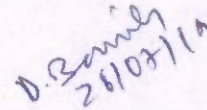
Step - 4 Add cost for loading and unloading of stone aggregate Rs. [Table : T-3, Page-311 of PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017]

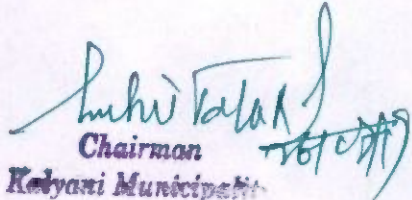
Total loading and unloading cost Rs.58.0 X 0.86 Cu.M. = 49.88

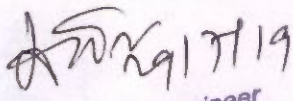
Final Rate of Item = 4651.0 + 1144.9 + 106.64 + 49.88 = Rs.5952.42

  
29/7/19  
Junior Engineer (Civil)  
Nadia Division  
M.E.Dte., M.A.Deptt.  
Govt. of West Bengal

  
26/7/19  
Sub-Assistant Engineer  
Kalyani Municipality

  
26/07/19  
Assistant Engineer  
Kalyani Municipality

  
Chairman  
Kalyani Municipality

  
29/7/19  
Assistant Engineer  
Nadia Division  
M.E.Dte., M.A.Deptt.  
Govt. of West Bengal



# Calculation Sheet

## Estimate for the work of Construction of Boundary Wall of four storied Shelter for Urban

SL. No.	Description of Item(s)	no	l	b	h	qty
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.					
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-2, Page No. - 1					
	(a) Depth of excavation not exceeding 1,500 mm. <i>gate estn</i>	2	1.5	1.5	1.5	6.75
		42	1.300	1.300	1.000	70.980
2	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.					
	3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 1 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 14	42	1.200	1.200	<del>1.000</del>	60.480
		1	91.500	0.250	<del>1.000</del>	22.875
	Total					83.355
3	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work)					
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 1					
	(a) With earth obtained from excavation of foundation.	42	0.850	0.850	0.650	19.724
		42	1.200	0.150	0.200	1.512
	Total					21.236
4	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.					
	3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 3 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-16, Page No. - 16	1	91.500	1.500	1.000	137.250
5	Brick work with 1st class bricks in cement mortar (1:6)					
	3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 1 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-8, Page No. - 15					
	(a) In foundation and plinth	1	102.000	0.250	0.250	6.375
	(b) In superstructure, ground floor	42	0.250	0.250	1.500	3.938

*Handwritten notes:*  
 Tie 40  
 91.5  
 1.65  
 0.25  
 0.3  
 0.125  
 0.475  
 2.86  
 1.52  
 2.03

*Handwritten notes:*  
 79.25  
 80.59

*Handwritten note:*  
 @ 70% of excavation 56.91

6	(l) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety]  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 17 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-22, Page No. - 34					
	(a) 1:3:6 proportion	42	1.200	1.200	0.075	4.536
7	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes.  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 12 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 26					
	(i) Pakur Variety	42	1.050	1.050	0.200	9.261
		42	0.350	0.350	0.650	3.344
		1	102.000	0.300	0.300	9.180
		1	102.000	0.300	0.125	3.825
		Total				25.610
8	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), 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.  2nd CORRIGENDA & ADDENDA, Dated: 18.04.2018, Page 2 of 4, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-40, Page No. - 43					
	(a) For works in foundation and upto roof of ground floor/upto 4 m					
	(i) Tor steel/Mild Steel					
	I. SAIL/ TATA/RINL					2.500
9	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-36, Page No. - 42					

for fixing angle

42

0.25

0.25

0.5

1.31

26.92



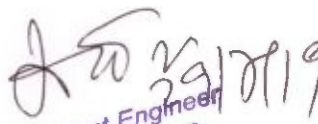
	(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	2	102.000	1.000	0.125	25.500
		1	1.000	1.000	0.175	0.175
		Total				25.675
	(f) 25 mm to 30 mm shuttering without staging in foundation	168	1.200	1.000	0.075	15.120
		2	102.000	1.000	0.300	61.200
		168	1.050	1.000	0.200	35.280
		168	0.350	1.000	0.650	38.220
		Total				149.820
	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]					
10	3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 49 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 189					
	(i) With 1:6 cement mortar					
	(c) 15 mm thick plaster	2	102.000	1.000	1.875	382.500
		2	102.000	0.300	1.000	61.200
		2	102.000	0.125	1.880	47.940
		Total				491.640
	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothing surfaces by sand papering etc.					
11	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	2	3.000	1.000	2.100	12.600
		12.600		25.000		3.150
	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothing surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :					
12	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-2, Page No. - 200					
	(b) On steel or other metal surface :					
	With super gloss (hi-gloss) -					
	(iv) Two coats (with any shade except white)					12.600

13	<p>Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-8, Page No. - 196</p>					
In Ground Floor:						
(a) One Coat						491.640
14	<p>Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-17, Page No. - 197</p>					
In Ground floor (Two Coat)						
a) Normal Acrylic Emulsion						491.640
15	<p>M.S. gate of Jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in-charge.</p> <p>3rd CORRIGENDA &amp; ADDENDA, Dated: 04.06.2018, Page 91 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-16, Page No. - 105</p>					
In ground floor.		1				3.150
16	<p>(a) Supplying, fitting galvanised 3 ply 12 gauge / 4 points line of barbed wire in fencing (holes already made in the body of the post) or fixed by staples tightening and fixing the wires in taut condition with straining bolts including the cost of cutting and of lapping joints in the wire as necessary but excluding the cost of galvanised staples, straining bolt and binding wire where necessary.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-2, Page No. - 219</p>	1.000	57 102.000	1.000	1.000	510.00 <del>102.000</del>



17	Supplying galvanised straining bolts (with eye at one end with double nuts and washers) fitted and fixed complete. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-4, Page No. - 220					
	(b) 250 mm.	42	1.000	1.000	2.000	84.000
18	Supplying galvanised staples fitted and fixed complete. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 221					
	(b) 32.5 mm. to 37.5 mm. size	42	1.000	1.000	2.000	84.000
19	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc.  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 84 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 99					
	l) For structural members of specified sections weighing less than 22.5 Kg./m	42			0.015	0.630

  
 29/7/19  
 Junior Engineer (CIVIL)  
 Nadia Division  
 M.E.Dte., M.A.Deptt.  
 Govt. of West Bengal

  
 29/7/19  
 Assistant Engineer  
 Nadia Division  
 M.E.Dte., M.A.Deptt.  
 Govt. of West Bengal

###



**Estimate for the work of Construction of Boundary Wall of four storied Shelter for Urban Homeless under National Urban Livelihood Mission within Kalyani Municipality.**

**Length of the boundary wall-102.00 Metre**

SL. No.	Description of Item(s)	Quantity	Unit	Rate (Rs.)	Per Unit	Amount (Rs.)
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-2, Page No. - 1 (a) Depth of excavation not exceeding 1,500 mm.	<del>70.980</del> 73.84	Cum	11927.00	%Cum	<del>8465.78</del> 8806.90
2	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 1 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 14	83.355	Sq.M.	361.00	Sq.M.	30091.16
3	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work)  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 1 (a) With earth obtained from excavation of foundation.	<del>21.236</del> 51.69	Cum	7754.00	%Cum	<del>1646.66</del> 4008.04
4	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 3 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-16, Page No. - 16	137.250	Sq.M.	736.00	Sq.M.	101016.00
5	Brick work with 1st class bricks in cement mortar (1:6)  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 1 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-8, Page No. - 15 (a) In foundation and plinth (b) In superstructure, ground floor	6.375 3.938	Cu.M. Cu.M.	5413.00 5636.00	Cu.M. Cu.M.	34507.88 22191.75



SL. No.	Description of Item(s)	Quantity	Unit	Rate (Rs.)	Per Unit	Amount (Rs.)
6	(l) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety]  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 17 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-22, Page No. - 34 (a) 1:3:6 proportion	4.536	Cu.M	5376.00	Cu.M	24385.54
7	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes.  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 12 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 26 (i) Pakur Variety	26.92 <del>25.610</del>	Cu.M	5952.42	Cu.M	160239.14 <del>152442.96</del>
8	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), 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.  2nd CORRIGENDA & ADDENDA, Dated: 18.04.2018, Page 2 of 4, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-40, Page No. - 43 (a) For works in foundation and upto roof of ground floor/upto 4 m (i) Tor steel/Mild Steel    SAIL/TATA/RINL JSN/JSPL/SHYAM/SRMO/ BMASL/ELECTROSTEEL/SSL	2.500	M.T.	67127.95 <del>70362.85</del>	M.T.	167819.87 <del>175907.13</del>
	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-36, Page No. - 42 (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	25.675	Sq.m	335.00	Sq.m	8601.13
9	(f) 25 mm to 30 mm shuttering without staging in foundation	149.820	sq. m	209.00	sq. m	31312.38
	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 49 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 189					



SL. No.	Description of Item(s)	Quantity	Unit	Rate (Rs.)	Per Unit	Amount (Rs.)
10	(i) With 1:6 cement mortar (c) 15 mm thick plaster	491.640	Sq.M	151.00	Sq.M	74237.64
11	(a) 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	12.600	Sq.M	29.00	Sq.M	365.40
12	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-2, Page No. - 200 (b) On steel or other metal surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white)	12.600	Sq.M	79.00	Sq.M	995.40
13	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-8, Page No. - 196 In Ground Floor:	491.640	Sq.M	3140.00	%Sq.M	15437.50
14	(a) One Coat  Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-17, Page No. - 197 In Ground floor (Two Coat)	491.640	Sq.M	67.00	Sq.M	32939.88
15	a) Normal Acrylic Emulsion  M.S. gate of Jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in-charge.  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 91 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-16, Page No. - 105 In ground floor.	3.150	Qntl.	10090.00	Qntl.	31783.50



SL. No.	Description of Item(s)	Quantity	Unit	Rate (Rs.)	Per Unit	Amount (Rs.)
16	(a) Supplying, fitting galvanised 3 ply 12 gauge / 4 points line of barbed wire in fencing (holes already made in the body of the post) or fixed by staples tightening and fixing the wires in taut condition with straining bolts including the cost of cutting and of lapping joints in the wire as necessary but excluding the cost of galvanised staples, straining bolt and binding wire where necessary.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-2, Page No. - 219	510.00 <del>102.000</del>	Mtr.	2768.00	%Mtr.	14116.00 <del>2823.36</del>
17	Supplying galvanised straining bolts (with eye at one end with double nuts and washers) fitted and fixed complete.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-4, Page No. - 220 (b) 250 mm.	84.000	Each	74.00	Each	6216.00
18	Supplying galvanised staples fitted and fixed complete.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 221 (b) 32.5 mm. to 37.5 mm. size	230 <del>24.000</del>	Nos	281.00	% Nos	646.30 <del>236.04</del>
19	Labour for fixing barbed wire--- (F-14(d) & P-223)	510	Mtr.	308.00	%Mtr.	1570.80
20	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc.  3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 84 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 99 I) For structural members of specified sections weighing less than 22.5 Kg./m	0.630	MT	72603.00	MT	45739.89

Total - 801342.98  
 Add GST @12% - 96161.16  
 Total excluding labour welfare Cess - 897504.14  
 Add Cess @1% - 8975.04  
 Total including labour welfare Cess - 906479.18  
 Add Contingency @3% on 'Total excluding labour welfare Cess' - 26925.12  
 Grand Total - 933404.30  
 Say, Rs. 933404.00

8,17,028.90  
 98,043.47  
 9,15,072.37  
 9,150.72  
 9,24,223.09  
 27,452.17  
 9,51,675.26  
 Say=Rs. 9,51,675.00

29/7/19  
 Junior Engineer (CIVIL)  
 Nadia Division  
 M.E.Dte., M.A.Deptt.  
 Govt. of West Bengal.

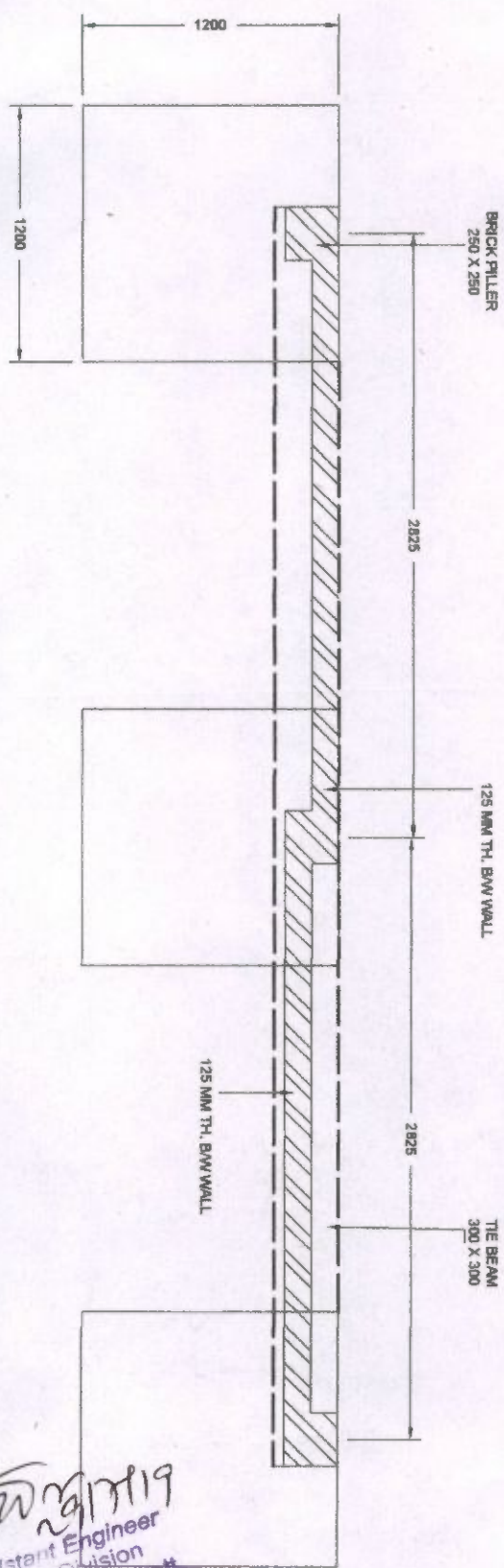
29/7/19  
 Assistant Engineer  
 Nadia Division  
 E.Dte., M.A.Deptt.  
 of West Bengal

B. Paul  
 26/7/19  
 Sub-Assistant Engineer  
 Kalyani Municipality

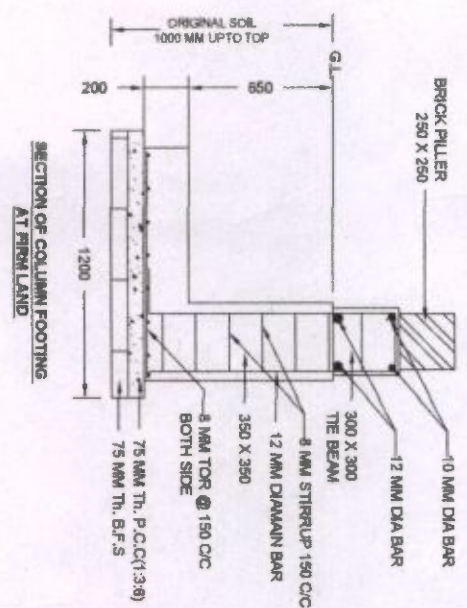
verified  
 29/08/19  
 D. Banerjee  
 26/07/19  
 Assistant Engineer  
 Kalyani Municipality

Anshu Talukder  
 26/07/19  
 Chairman  
 Kalyani Municipality

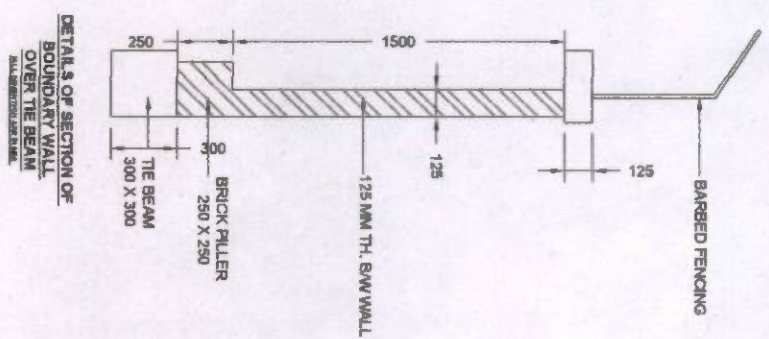




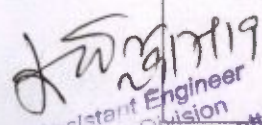
**PLAN OF BOUNDARY WALL**

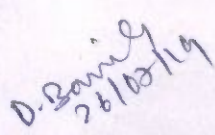


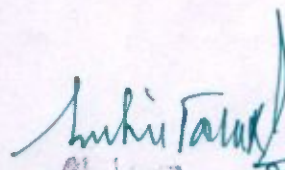
**SECTION OF COLUMN FOOTING AT FIRMLAND**



**DETAILS OF SECTION OF BOUNDARY WALL OVER THE BEAM**

  
 Assistant Engineer  
 Nadia Division  
 M.E.Dte., M.A.Dept.  
 Govt. of West Bengal  
**B. Paul**  
 26/07/19  
 Sub-Assistant Engineer  
 Kalyani Municipality

  
 Assistant Engineer  
 Kalyani Municipality

  
 Chairman  
 Kalyani Municipality  
 26/07/19



ANNEXURE - I

FORMAT - B

(Format for Analysis of Rate of reinforcing Steel supplied by Contractor)

Name of Urban Local Body = Kalyani Municipality  
District = Kolkata / 24 Pgs (N & S)/Area of Kalyani Sub Div  
Steel Type = Tor Steel Rods/HYSD/Fe 415/Fe 500/Fe 500 D  
(JSW/JSPL/SHYAM/SRMB/BMASL/ELECROSTEEL/SSL)

Step - 1

Rate of item as per relevant section of PWD(WB), S.O.R. Volume - I  
:Building Works w.e.f. 01/11/2017 Schedule & 2nd Corrigenda = Rs.68200.0

Step - 2

Deduct Issue Rate (Per MT) of respective Quality Steel X 1.05  
[ANNEXURE-I, Table-1.1, Page-304 of PWD(WB), S.O.R. Volume - I : Building  
Works w.e.f. 01/11/2017] & 2nd Corrigenda  
= Rs. 49300.0 X 1.05 = Rs. 51765.0

Step - 3

Add Basic Price at outlet of Steel of respective quality X 1.05  
[ANNEXURE-I, Table-1.1, Page-304 of PWD(WB), S.O.R. Volume - I : Building  
Works w.e.f. 01/11/2017] & 2nd Corrigenda  
= Rs. 43750.0 X 1.05 = Rs. 45937.5

Step - 4

Add Contractor's Profit @ 10% on cost of Steel only (Sl. No. 3)  
= Rs. 45937.5 X 10% = Rs. 4593.75

Step - 5

Add cost of Carriage from outlet to site (Any Distance upto 5 km)  
with necessary loading, unloading charges for 1.05 MT Steel [TABLE 1 :  
ROAD TRANSPORTATION & CARRIAGE WORKS, Page-227 of PWD(WB), S.O.R. Volume -  
III : Road & Bridge Works 15-16 w.e.f. 01/12/2015]

Carriage of Steel materials over pucca road = Rs. 82.0 X 1.05 = Rs. 86.1

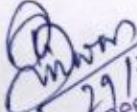
Loading, unloading and stacking by Manual Means.  
Loading in to trucks at the lifting point, unloading  
at destination, stacking properly in go downs or  
yard etc. as directed including carriage by head  
load up to a lead of 50.00 m at each of the two points.  
[CHAPTER - 1, CARRIAGE OF MATERIALS, Page-225 of PWD(WB),  
S.O.R. Volume - III : Road & Bridge Works 15-16 w.e.f. 01/12/2015]

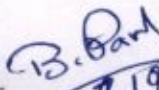
(h) Steel [Excluding stacking, i.e. apportionment of cost = 75%]  
= Rs. (96.0 X 75%) X 1.05 = Rs. 75.6

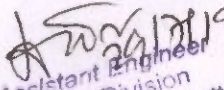
Step-5 Total = Rs. 161.7

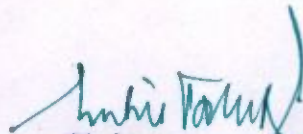
Final Rate of Item =

[Rs.68200.0- Rs.51765.0+ Rs.45937.5+ Rs.4593.75+ Rs.161.7] = Rs.67127.95

  
29/7/19  
Junior Engineer (CIVIL)  
Nadia Division  
M.E.Dte., M.A.Deptt.  
Govt. of West Bengal.

  
26.8.19  
Sub-Assistant Engineer  
Kalyani Municipality

  
26/8/19  
Assistant Engineer  
Kalyani Municipality

  
Chairman  
Kalyani Municipality



ANNEXURE - II  
FORMAT - A

(Format for Rate Analysis of Cement Concrete items)

Site situated in Kalyani Municipality are 5 km away from Kalyani Station  
Type of Concrete = Ordinary Cement Concrete (mix 1:2:4)  
District = Kolkata / 24 Pgs (N & S)/Area of Kalyani Sub Div

Step - 1 Rate of item as per relevant section of PWD(WB), S.O.R. Volume - I: Building Works w.e.f. 01/11/2017 Schedule & 3rd Corrigenda = Rs.4060.0

Step - 2 Add cost of stone aggregate of different grading as per consumption required for one cum of concrete.

Rates of Pakur variety stone aggregates at Kalyani Railway yards [Table : T-1, Page-308 of PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017]

20 mm Nominal Size = 0.66 Cu.M. X Rs.1375.0 = Rs.907.5  
10 mm Nominal Size = 0.22 Cu.M. X Rs.1244.0 = Rs.273.68

Rs.1181.18

Step - 3 Add cost of carriage of stone aggregate as per consumption required for one cum of concrete. [Table : T-2, Page-310 of PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017]

Road carriage from Kalyani RLY yard to work site = 5 KM

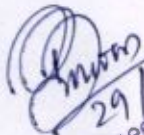
Carriage upto 5.0 km = Rs.124.0

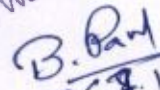
Total Carriage Cost = Rs.124.0 X 0.88 Cu.M. = Rs.109.12

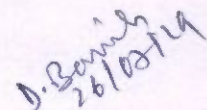
Step - 4 Add cost for loading and unloading of stone aggregate Rs. [Table : T-3, Page-311 of PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017]

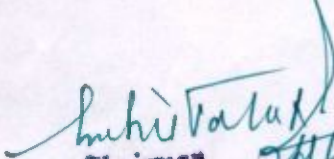
Total loading and unloading cost Rs.58.0 X 0.88 Cu.M. = 51.04


Final Rate of Item = 4060.0 + 1181.18 + 109.12 + 51.04 = Rs.5401.34

  
29/7/19  
Junior Engineer (CIVIL)  
Nadia Division  
M.E.Dte., M.A.Deptt.  
Govt. of West Bengal.

  
26/7/19  
Sub-Assistant Engineer  
Kalyani Municipality

  
26/08/19  
Assistant Engineer  
Kalyani Municipality

  
Chairman  
Kalyani Municipality

  
29/7/19  
Assistant Engineer  
Nadia Division  
M.E.Dte., M.A.Deptt.  
Govt. of West Bengal



ANNEXURE - II

FORMAT - A

(Format for Rate Analysis of Cement Concrete items)

Site situated in Kalyani Municipality are 5 km away from Kalyani Station  
Type of Concrete = Ordinary Cement Concrete (mix 1:1.5:3)  
District = Kolkata / 24 Pgs (N & S)/Area of Kalyani Sub Div

Step - 1 Rate of item as per relevant section of PWD(WB), S.O.R. Volume - I: Building Works w.e.f. 01/11/2017 Schedule & 3rd Corrigenda = Rs.4651.0

Step - 2 Add cost of stone aggregate of different grading as per consumption required for one cum of concrete.

Rates of Pakur variety stone aggregates at Kalyani Railway yards [Table : T-1, Page-308 of PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017]

20 mm Nominal Size = 0.573 Cu.M. X Rs.1375.0 = Rs.787.87  
10 mm Nominal Size = 0.287 Cu.M. X Rs.1244.0 = Rs.357.03

Rs.1144.9

Step - 3 Add cost of carriage of stone aggregate as per consumption required for one cum of concrete. [Table : T-2, Page-310 of PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017]

Road carriage from Kalyani RLY yard to work site = 5 KM


Carriage upto 5.0 km = Rs.124.0

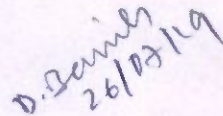
Total Carriage Cost = Rs.124.0 X 0.86 Cu.M. = Rs.106.64

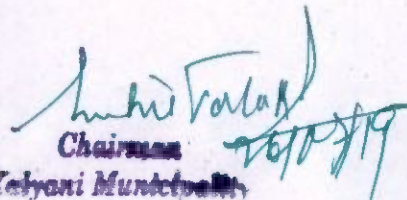
Step - 4 Add cost for loading and unloading of stone aggregate Rs. [Table : T-3, Page-311 of PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017]

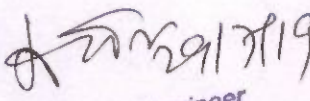
Total loading and unloading cost Rs.58.0 X 0.86 Cu.M. = 49.88

Final Rate of Item = 4651.0 + 1144.9 + 106.64 + 49.88 = Rs.5952.42

  
22/7/19  
Junior Engineer  
Nadia Division  
M.E.Dte., M.A.Deptt.  
Govt. of West Bengal.  
B. Paul  
26.7.19  
Sub-Assistant Engineer  
Kalyani Municipality

  
26/07/19  
Assistant Engineer  
Kalyani Municipality

  
26/07/19  
Chairman  
Kalyani Municipality

  
29/7/19  
Assistant Engineer  
Nadia Division  
M.E.Dte., M.A.Deptt.  
West Bengal

সুডা

NOTE SHEET

SUDA

Construction of 22 (twenty two) SUHs have been completed and of which 14 (fourteen) SUHs have been made functional. During visits to this facilities and based on the feedback received from the operating NGOs, it is absolutely essential to construct a boundary wall enclosing the entire perimeter of the land allocated for the construction of the SUHs. This is essential not just to ensure the safety and security of the inmates but also to enable the SUHs to raise a kitchen garden and / or a work shed for some economic activities. A model estimate for a meter of boundary wall has been prepared by MED along with a cross section of the boundary wall (placed on the cp side) put at Rs.10,522 (Rs. ten thousand five hundred & twenty two only. The following decision points may kindly be accorded.

1. An in-principle approval for construction of boundary wall may be given at all SUHs which are completed / ongoing.
2. Infrastructure of 22 (twenty two) SUHs have been completed and 20 (twenty) SUHs are in progress. Therefore the boundary wall would have to constructed at 42 (forty two) sites.
3. The concerned ULBs may be required to prepare a vetted estimate based on the perimeter of the allotted land and submit the same to SUDA for according administrative approval and financial sanction.
4. The proposal so received and approved may be placed at the Project Sanction Committee for post facto approval.
5. The cost for the boundary wall may be charged out of the NULM fund.

Director, SUDA

Handwritten signature  
24/06/19  
AMD

Proposal above may kindly be approved.

sd/ 24/6/19

~~Pr. Secretary  
D & MA Dept.~~

~~FA~~

U.O. No. SUDA...309.....

Director, SUDA

Dated...24.06.19.....

File No. SUDA-317/2016

~~DFAA (PS)~~

Handwritten signature  
25/6/2019

Handwritten signature  
26/06/19



File No. SUDA-317/2016

File Name: Shelter for Urban Homeless under NULM for Rajpur Sonarpur Municipality

Notes prepages

The rate analysis for boundary wall appears to be in order as per PWD SOR 2017 read with the corrigenda issued from time to time.

The proposal at nsp 5 may be approved.

*(Handwritten signature)*  
27/06/19

(Prasanta Sengupta)  
Dy Financial Advisor  
UD & MA Department

*(Handwritten signature)*  
27/06/19

(Kishore Sengupta)  
Financial Advisor & E.O. S. S  
UD & MA Department

~~Principal Secretary,  
U.D. & M.A. Department~~

~~Director, SUDA~~

~~AMCA~~

S. De. SMM

Drop-please

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27/06/2019

DDP 28/6

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28/06/19