

CENTRAL COALFIELDS LIMITED
RAJRAPPA AREA

No.: GM(R)/SO(C)/Rajrappa/Tender-41 (10-11)/41

Date: 23rd Oct.'10

TENDER NOTICE

Sealed tenders on percentage basis are invited from reputed, experienced and bonafide contractors for the following works in Rajrappa Area.

Sl. No.	Name of the work	Estimated cost (₹)	Earnest Money (₹)	Cost of T/Paper	Time of compln
1	Repair and maintenance of doors and windows of all quarters under GM Unit, Rajrappa Area.	3,42,872.14	3,429/-	250/- + 12.5% VAT	3 Months
2	Repair and maintenance of 20 Units B type quarters at Rajrappa Project (1 st Phase)	3,65,499.15	3,655/-	250/- + 12.5% VAT	3 Months
3	Renovation of 3 rooms of 1 st floor of transit camp under Rajrappa Area	2,42,665.28	2,427/-	250/- + 12.5% VAT	3 Months
4	Repair of 20 units BTS (Block No. 4, 5 & 6) at Rajrappa Project.	2,86,456.62	2,865/-	250/- + 12.5% VAT	3 Months
5	Repair & Maintenance of Sr. type quarters (Phase -II) under GM Unit, Rajrappa Area (2C-1 No. , 3A-4 Nos. and D-2 Nos.)	2,48,247.20	2,482/-	250/- + 12.5% VAT	3 Months
6	Cleaning of Base Workshop (Earth Work) at Rajrappa Project.	4,09,185.35	4,092/-	250/- + 12.5% VAT	3 Months

Salient points pertaining to this tender are furnished below-

1. **Type of Tender:** Two part system namely Part-I & Part-II tender. While Part-I 'tender is meant for prequalification, Part-II is meant for price bid, Part-I tender will contain details of Earnest Money Deposit and documentary evidence in support of credentials of the tenderers. Part-II tender will contain price bid only. Part-II tender of only those tenderers will be opened who will be qualified on the basis of credentials submitted in Part-I. tender.
2. **Earnest Money :** The Earnest Money as mentioned above may be deposited in the form of Demand Draft in favour of **CENTRAL COALFIELDS LIMITED, RAMGARH AREA** payable at Bank of India ,Rajrappa Project or at any scheduled bank at Ramgarh Cantt./Town .The draft of earnest money is to be submitted in Part-I tender.

3 Period of sale of tender document

From **30.10.10** to **06.11.10** upto 12.00 Noon on working day only on payment of cost of tender document (non refundable) tender document shall be issued from the office of Dy. General Manager (Civil), Rajrappa Area.

4 Date & time for submission of tender and opening of Part-I tender

Tender is to be submitted in the tender box kept in Civil Engg. Deptt. Rajrappa Area, CCL Upto 1.00 p.m on **08.11.10** and will be opened on **08.11.10** at 4.00 p.m.

5 MINIMUM ELIGIBILITY CRITERIA:

- a) Average annual financial turn over during the last 3(three) years ending 31st Mar. of the previous financial year should be atleast 30% of the estimated cost.
- b) Experience of having successfully completed similar works during last 7(seven) years ending last day of month previous to the one in which applications are invited should be either of the following. The work should have been executed as a prime contractor with a Govt. Deptt./ Semi Govt. Deptt. / Public Sector Undertaking
 - i) THREE similar completed works costing not less than the amount equal to 40% of the estimated cost
OR
 - ii) TWO similar completed work costing not less than the amount equal to 50% of the estimated cost.
OR
 - iii) ONE similar completed work costing not less than the amount equal to 80% of the estimated cost.

Definition of similar nature of work : Construction or Repair & Maintenance of building or civil nature of works.

6. VERIFICATION OF DOCUMENT:

In addition, the intending tenderer has to submit the following-

- a) Documentary evidence in support of the fulfillment of minimum eligibility Criteria
- b) Banker's certificate for financial soundness of scheduled bank.
- c) **Affidavit in original to the effect that (Refer Annexure-V of Civil Engg. Manual):-**
 - 1 None of the partners of the firm has either individually or collectively been involved in any criminal offence.
 - 2 The agency shall not employ on this contract any close relative of any CCL'
 - 3 None of the partner of the firm has a relative employed in CCL.
 - 4 Credentials submitted by the tenderers are genuine, authentic , true & valid.
 - 5 The tenderer shall have to ensure implementation of PF & Miscellaneous Provision Act 1948 and allied scheme. The tenderer should submit affidavit in this regard duly authenticated by Notary.
OR
Those tenderers who are registered under EPF scheme and their employees covered under the said scheme may continue to operate under EPF Scheme. The should furnish such proof.
- d) The certificate as mentioned at (b) above shall be treated as valid upto 12 months from the date of issue. The Certificates as mentioned above are to be enclosed alongwith the application for issue of tender document.
- e) Mere issue of tender documents to intending bidders will not mean that they have fulfilled the requisite qualifications.

- f) Firm Registration details / any other document of the firm.
- g) Photocopy of PAN Card either of the firm or of the individual as the case may be .
- h) Registration with appropriate Sales Tax Authority under VAT mentioning TIN No.
7. The Validity of tenderers shall be 4(four) months from the date of opening of price bid.
- 8** **OTHER INSTRUCTIONS :**
- a) The tenderer may have to show original copy of all the certificates at the time of issue of tender document, if needed.
- b) The Xerox copy of all the certificates should be legible and duly self attested. The Xerox copy , which is not attested will not be considered as valid.
- c) Tender document is also available on CCL Web Site www.ccl.gov.in
- d) In case some tenderer obtains tender document through web site, the cost of tender document is to be deposited by the tenderer in the form of a draft alongwith the Part-I tender.
- e) Proof of submission of form filled in for payment through e – banking system.
- f) Other eligibility criteria and details required to be submitted with tender shall be available in tender document.
- 9 The decision of CCL in awarding the work shall be final and can not be subject to arbitration.
- 10 No subletting of work by the contractor is permissible.

The Management reserves the right to reject any or all the tenders without assigning any reason whatsoever and to split up the work between two or more tenderers or accept tender in part and not in entirety.

Dy. General Manager (Civil),
RAJRAPPA AREA

Distribution:

The General Manager (Civil), CCL, Ranchi.

The All Staff Officer (Civil) : NK/Piparwar/Rajhara/BaSayal/Argada/CWS, BRK/Kuju/
Hazaribag/Kathara/B&K/Dhori/CCW, Kathara :(With a
Request to kindly get the tender notice displayed in the
Notice Board)

The Project Officer, Rajrappa Project/Rajrappa Washery Project.

The Area Finance Manager, Rajrappa.

The Project Engineer(C), Rajrappa/Rajrappa Project/Rajrappa Washery Project

The Area Security Officer, Rajrappa: With a request to kindly arrange security of the
Tender Box on the date of the tender.

The All-Tender Committee Member.

The Notice Board, Rajrappa Area

The Chamber of Commerce, Ramgarh Cantt./Hazaribag.

The Secy.(Mines & Geology),Govt. of Jharkhand,Nepal House,Doranda,Ranchi 834002

The Chief Cashier, Rajrappa Area

BIO-DATA OF THE TENDERER

1. Name of the Firm :

2. Whether it is a proprietorship firm or partnership firm. :

3. If proprietorship firm, name of the the proprietor. :

4. If partnership firm, name of the partner :

5. If partnership firm whether partnership deed enclosed . :

6. Address of the Firm :

Permanent :

Correspondence :

7. Name of person who has signed the tender: document whether as proprietor or partner.

Signature of tenderer

RAJRAPPA AREA
PART-I TENDER
TENDER DOCUMENT NO.: 95/10-11

Sl. No.	Particulars	Details
1.	Name of Work	Repair and maintenance of doors and windows of all quarters under GM Unit, Rajrappa Area.
2	Estimated Cost	Rs. 3,42,872.14
3	Cost of Tender Paper	Rs.250/- + 12.5% VAT
4.	Tender Notice No. & Date	GM(R)/SO(C)/Rajrappa/Tender-41 (10-11) / 41 , Date: 23 rd Oct.'10
5.	Date & time for receipt of tender	08.11.10 upto 1.00 p.m.
6.	Date & time for opening of tender(Part-I)	08.11.10 at 4.00 p.m.
7.	C.R. No.,& date against deposit of cost of tender documents.	
8.	Name & Address of tenderer to whom tender document issued.	

Signature of tender issuing authority

AMENDED TERMS & CONDITIONS

- The amount of Earnest Money as per revision in Civil Engg. Manual has been fixed as 1% of the estimated cost subject to a maximum of Rs. 50.00 lakh.
 - Security deposit shall consist of two parts –
 - a) Performance security / Security Deposit amounting to 5% of the award value including earnest money shall be deposited by the contractor before execution of the agreement or within a period mentioned in the work order and in any case is to be deposited prior to the commencement of any payment to the contractor.
5% Performance Security (Security Deposit) shall be refunded within 14 days of the issue of Defect Liability Certificate (Taking Over Certificate with a list of defects).
 - b) All running on a/c bills shall be paid at 95% of work value. This 5% deduction towards retention money will be the 2nd part of security deposit. The retention money is to be refunded after issue of No Defect Certificate.
-

Signature of Contractor

UNDERTAKING BY THE CONTRACTOR

I/We, undertake to abide by the following conditions which are not enclosed in the tender document but are covered in the standard tender booklet of CCL.

- General Terms and conditions except the clause related to mobilisation advance and escalation clause covered under “Additional terms & conditions.”
- Additional safety measures
- List of approved manufacturers.
- Specifications.
- General specification for plumber’s work.
- Specification/General conditions for electrical works.

Signature of Contractor

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PART-II TENDER
TENDER DOCUMENT NO. 95/10-11

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Signature of tender issuing authority

PRICE BID

To,

The General Manager,
RAJRAPPA AREA.

Sub.:	Repair and maintenance of doors and windows of all quarters under GM Unit, Rajrappa Area
Ref.:	GM(R)/SO(C)/Rajrappa/Tender-41 (10-11) / 41 , Date: 23 rd Oct.'10

Dear Sir,

I/We have gone through the Terms & Conditions of contract of CCL and after inspection of site of work I/We are quoting below our lowest rate for the work.

Particular	Rate quoted
Estimated Cost of the work	Rs. 3,42,872.14
Rate to be quoted in %age above or below in figure & word.	Rs.
Amount worked out both in figure & word.	Rs.

Signature of Contractor

BIO-DATA OF THE TENDERER

1. Name of the Firm :

2. Whether it is a proprietorship firm or partnership firm. :

3. If proprietorship firm, name of the the proprietor. :

4. If partnership firm, name of the partner :

5. If partnership firm whether partnership deed enclosed . :

6. Address of the Firm :

Permanent :

Correspondence :

7. Name of person who has signed the tender: document whether as proprietor or partner.

Signature of tenderer

RAJRAPPA AREA
PART-I TENDER
TENDER DOCUMENT NO.: 96/10-11

Sl. No.	Particulars	Details
1.	Name of Work	Repair and maintenance of 20 Units B type quarters at Rajrappa Project (1 st Phase).
2	Estimated Cost	Rs. 3,65,499.15
3	Cost of Tender Paper	Rs.250/- + 12.5% VAT
4.	Tender Notice No. & Date	GM(R)/SO(C)/Rajrappa/Tender-41 (10-11) / 41 , Date: 23 rd Oct.'10
5.	Date & time for receipt of tender	08.11.10 upto 1.00 p.m.
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Signature of tender issuing authority

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 - c) Performance security / Security Deposit amounting to 5% of the award value including earnest money shall be deposited by the contractor before execution of the agreement or within a period mentioned in the work order and in any case is to be deposited prior to the commencement of any payment to the contractor.
5% Performance Security (Security Deposit) shall be refunded within 14 days of the issue of Defect Liability Certificate (Taking Over Certificate with a list of defects).
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To,

The General Manager,
RAJRAPPA AREA.

Sub.:	Repair and maintenance of 20 Units B type quarters at Rajrappa Project (1 st Phase)
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Dear Sir,

I/We have gone through the Terms & Conditions of contract of CCL and after inspection of site of work I/We are quoting below our lowest rate for the work.

Particular	Rate quoted
Estimated Cost of the work	Rs. 3,65,499.15
Rate to be quoted in %age above or below in figure & word.	Rs.
Amount worked out both in figure & word.	Rs.

Signature of Contractor

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5. If partnership firm whether partnership deed enclosed . :

6. Address of the Firm :

Permanent :

Correspondence :

7. Name of person who has signed the tender: document whether as proprietor or partner.

Signature of tenderer

RAJRAPPA AREA
PART-I TENDER
TENDER DOCUMENT NO.: 97/10-11

Sl. No.	Particulars	Details
1.	Name of Work	Renovation of 3 rooms of 1 st floor of transit camp under Rajrappa Area.
2	Estimated Cost	Rs. 2,42,665.28
3	Cost of Tender Paper	Rs.250/- + 12.5% VAT
4.	Tender Notice No. & Date	GM(R)/SO(C)/Rajrappa/Tender-41 (10-11) / 41 , Date: 23 rd Oct.'10
5.	Date & time for receipt of tender	08.11.10 upto 1.00 p.m.
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- List of approved manufacturers.
- Specifications.
- General specification for plumber’s work.
- Specification/General conditions for electrical works.

Signature of Contractor

RAJRAPPA AREA
PART-II TENDER
TENDER DOCUMENT NO. 97/10-11

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1.	Name of Work	Renovation of 3 rooms of 1 st floor of transit camp under Rajrappa Area.
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3.	Cost of Tender Paper	Rs.250/- + 12.5% VAT
4.	Tender Notice No. & Date	GM(R)/SO(C)/Rajrappa/Tender-41 (10-11) / 41 , Date: 23 rd Oct.'10
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Dear Sir,

I/We have gone through the Terms & Conditions of contract of CCL and after inspection of site of work I/We are quoting below our lowest rate for the work.

Particular	Rate quoted
Estimated Cost of the work	Rs. 2,42,665.28
Rate to be quoted in %age above or below in figure & word.	Rs.
Amount worked out both in figure & word.	Rs.

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BIO-DATA OF THE TENDERER

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4. If partnership firm, name of the partner :

5. If partnership firm whether partnership deed enclosed . :

6. Address of the Firm :

Permanent :

Correspondence :

7. Name of person who has signed the tender: document whether as proprietor or partner.

Signature of tenderer

RAJRAPPA AREA
PART-I TENDER
TENDER DOCUMENT NO.: 98/10-11

Sl. No.	Particulars	Details
1.	Name of Work	Repair of 20 units BTS (Block No. 4, 5 & 6) at Rajrappa Project..
2	Estimated Cost	Rs. 2,86,456.62
3	Cost of Tender Paper	Rs.250/- + 12.5% VAT
4.	Tender Notice No. & Date	GM(R)/SO(C)/Rajrappa/Tender-41 (10-11) / 41 , Date: 23 rd Oct.'10
5.	Date & time for receipt of tender	08.11.10 upto 1.00 p.m.
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I/We have gone through the Terms & Conditions of contract of CCL and after inspection of site of work I/We are quoting below our lowest rate for the work.

Particular	Rate quoted
Estimated Cost of the work	Rs. 2,86,456.62
Rate to be quoted in %age above or below in figure & word.	Rs.
Amount worked out both in figure & word.	Rs.

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Permanent :

Correspondence :

7. Name of person who has signed the tender: document whether as proprietor or partner.

Signature of tenderer

RAJRAPPA AREA
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TENDER DOCUMENT NO.: 99/10-11

Sl. No.	Particulars	Details
1.	Name of Work	Repair & Maintenance of Sr. type quarters (Phase –II) under GM Unit, Rajrappa Area (2C-1 No. , 3A-4 Nos. and D-2 Nos.).
2	Estimated Cost	Rs. 2,48,247.20
3	Cost of Tender Paper	Rs.250/- + 12.5% VAT
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PART-II TENDER

TENDER DOCUMENT NO. 99/10-11

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The General Manager,
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6. Address of the Firm :

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Signature of tenderer

RAJRAPPA AREA
PART-I TENDER
TENDER DOCUMENT NO.: 100/10-11

Sl. No.	Particulars	Details
1.	Name of Work	Cleaning of Base Workshop (Earth Work) at Rajrappa Project.
2	Estimated Cost	Rs. 4,09,185.35
3	Cost of Tender Paper	Rs.250/- + 12.5% VAT
4.	Tender Notice No. & Date	GM(R)/SO(C)/Rajrappa/Tender-41 (10-11) / 41 , Date: 23 rd Oct.'10
5.	Date & time for receipt of tender	08.11.10 upto 1.00 p.m.
6.	Date & time for opening of tender(Part-I)	08.11.10 at 4.00 p.m.
7.	C.R. No.,& date against deposit of cost of tender documents.	
8.	Name & Address of tenderer to whom tender document issued.	

Signature of tender issuing authority

AMENDED TERMS & CONDITIONS

- The amount of Earnest Money as per revision in Civil Engg. Manual has been fixed as 1% of the estimated cost subject to a maximum of Rs. 50.00 lakh.
 - Security deposit shall consist of two parts –
 - k) Performance security / Security Deposit amounting to 5% of the award value including earnest money shall be deposited by the contractor before execution of the agreement or within a period mentioned in the work order and in any case is to be deposited prior to the commencement of any payment to the contractor.
5% Performance Security (Security Deposit) shall be refunded within 14 days of the issue of Defect Liability Certificate (Taking Over Certificate with a list of defects).
 - l) All running on a/c bills shall be paid at 95% of work value. This 5% deduction towards retention money will be the 2nd part of security deposit. The retention money is to be refunded after issue of No Defect Certificate.
-

Signature of Contractor

UNDERTAKING BY THE CONTRACTOR

I/We, undertake to abide by the following conditions which are not enclosed in the tender document but are covered in the standard tender booklet of CCL.

- General Terms and conditions except the clause related to mobilisation advance and escalation clause covered under “Additional terms & conditions.”
- Additional safety measures
- List of approved manufacturers.
- Specifications.
- General specification for plumber’s work.
- Specification/General conditions for electrical works.

Signature of Contractor

RAJRAPPA AREA
PART-II TENDER
TENDER DOCUMENT NO. 100/10-11

Sl. No.	Particulars	Details
1.	Name of Work	Cleaning of Base Workshop (Earth Work) at Rajrappa Project.
2.	Estimated Cost	Rs. 4,09,185.35
3.	Cost of Tender Paper	Rs.250/- + 12.5% VAT
4.	Tender Notice No. & Date	GM(R)/SO(C)/Rajrappa/Tender-41 (10-11) / 41 , Date: 23 rd Oct.'10
5.	Date & time for receipt of tender	08.11.10 upto 1.00 p.m.
6.	Date & time for opening of tender(Part-I)	08.11.10 at 4.00 p.m.
7.	C.R. No.,& date against deposit of cost of tender documents.	
8.	Name & Address of tenderer to whom tender document issued.	

Signature of tender issuing authority

PRICE BID

To,

The General Manager,
RAJRAPPA AREA.

Sub.:	Cleaning of Base Workshop (Earth Work) at Rajrappa Project.
Ref.:	GM(R)/SO(C)/Rajrappa/Tender-41 (10-11) / 41 , Date: 23 rd Oct.'10

Dear Sir,

I/We have gone through the Terms & Conditions of contract of CCL and after inspection of site of work I/We are quoting below our lowest rate for the work.

Particular	Rate quoted
Estimated Cost of the work	Rs. 4,09,185.35
Rate to be quoted in %age above or below in figure & word.	Rs.
Amount worked out both in figure & word.	Rs.

Signature of Contractor

**Estimate for the work of_Cleaning of Base Workshop (Earth Work)
at Rajrappa Project.**

S N	Particulars	Qty.	Rate	Amount	Remarks
1	Earth work in excavation by mechanical means (Hydraulic Excavator) / Manual menas over areas(exceeding 30 cm in depth 1.5 m in width as well as 10 Sq.m. on plan) including disposal of excavated earth lead upto 50 m and lift upto 1.5 m disposed earth to be leveled and neatly dressed. – All kinds of soil.	2705.00 Cu.m.	101.85 Cu.m.	275504.00	2.6.1
2	Carriage of earth by mechanical transport including loading and stacking lead 1 K.M.	2705.00 Cu.m.	49.42 Cu.m.	133681.10	1.1.2
TOTAL				409185.35	

**Estimate for the work of Repair & Maintenance of Sr. type quarters (Phase –II)
under GM Unit, Rajrapa Area (2C-1 No. , 3A-4 Nos. and D-2 Nos.)**

S N	Particulars	Qty.	Rate	Amount	Remarks
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 Mtrs. Lead.	55.00 Sq.m.	8.20 Sq.m.	451.00	15.56
2	Dismantling doors, windows and clearstorey window (steel or wood) shutters including chowkats architrave holdfasts etc. complete and stacking within 50 M. lead. Of area 3 Sq.m. and below	21 Nos.	54.60 each	1146.60	15.12.1
3	Half brick masonry with FPS bricks of class designation 75 in Superstructure above plinth level upto floor V level cement mortar 1:4 (1 cement : 4 coarse sand)	40.00 Sq.m.	302.80-10.99 Sq.m.	11672.40	6.13.2 – Diff.
4	12mm cement plaster of mix 1:6 (1 cement : 6 fine sand)	215.00 Sq.m.	67.65 Sq.m.	14544.75	13.1.2
5	Providing wood work in frames of doors windows , clearstorey windows and other frames wrought framed and fixed in position second class sal wood.	0.60 Cu.m.	30511.90 Cu.m.	18307.14	9.1.2
6	Providing & fixing paneled or paneled and glazed shutters for doors windows and clearstorey windows including ISI marked black enameled MS butt hinges with necessary screws excluding paneling which will be paid for separately second class teak wood 30 mm thick Shutters	19.60 Sq.m.	1219.10 Sq.m.	23894.36	9.5.1.2
7	Providing & fixing paneling or paneling and glazing in paneled or paneled and glazed shutters for doors , windows and clearstorey windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured) paneling for paneled or paneled and glazed shutters 25 mm to 40 mm thick. Kiln seasoned and chemically treated hollock wood.	8.40 Sq.m.	711.25 Sq.m.	5974.50	9.7.2
8	Providing and fixing ISI marked flush door shutters IS 2202 (Part-I) non decorative type core of block board construction with frame of Ist class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked stainless steel butt hinges with necessary screws.	16.20 Sq.m.	904.40 Sq.m.	14651.28	9.21.2
9	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	70 Nos.	61.50 each	4305.00	9.53
10	Providing and fixing ISI marked oxidized MS handles conforming to IS : 4992 with necessary screws etc. complete. 125 mm	21 Nos.	10.20 each	214.20	9.66.1
11	Providing and fixing ISI marked oxidised MS tower bolt black finish (Barrel type) with necessary screws etc. complete. 200 x 10 mm	14 Nos.	28.60 each	400.40	9.63.2
12	Providing and fixing ISI marked oxidised MS tower bolt black finish (Barrel type) with necessary screws etc. complete. 100 x 10 mm	14 Nos.	17.25 each	241.50	9.63.4
13	Providing & fixing ISI marked oxidised MS sliding door bolts with nuts and screws etc. complete. 250 x 16 mm	7 Nos.	69.65 each	487.55	9.62.2
14	Steel work welded in built-up sections / framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In stringers treads landings etc. of stair cases including use of chequered plate wherever required , all complete.	130.00 Kg.	48.95 Kg.	6363.50	10.25.1

15	Steel work welded in built-up sections / framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings , frames, guard bar ladders railings brackets gates and similar works.	280.00 Kg.	51.20 Kg.	14336.00	10.25.2
16	12 mm cement plaster finished with a floating coat of neat cement of mix 1:4 (1 cement : 4 fine sand)	70.00 Sq.m.	97.90 Sq.m.	6853.00	13.7.2
17	Reinforcement for RCC work including straightening cutting bending, placing in position and binding all complete- Hot rolled deformed bars	68.00 Kg.	42.70 Kg.	2903.60	5.22.4
18	Providing hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands, copings bed plates, anchor blocks plain window sills and the like including the cost of required centering , shuttering , finishing smooth with 6 mm thick cement plaster 1:3 (1 cement : 3 fine sand) on exposed surface complete but excluding cost of reinforcement with 1:2:4 (1 Cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	0.85 Cu.m.	4882.25 Cu.m.	4149.91	5.12
19	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade old work (one or more coats)	3300.00 Sq.m.	14.90 Sq.m.	49170.00	14.45.1
20	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 mtrs. Lead for thickness of tiles above 25 mm to and upto 40 mm.	10.00 Sq.m.	16.60 Sq.m.	166.00	15.23.2
21	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	10.00 Sq.m.	192.95 Sq.m.	1929.50	11.3.1
22	Renewing glass panes with putty and nails wherever necessary .Flot glass panes of thickness 4 mm	1.00 Sq.m.	427.60 Sq.m.	427.60	14.5.1
23	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	50.00 Sq.m	47.20 Mtr.	2360.00	13.26
24	Brick work with FPS bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in Cement mortar 1:6 (1 Cement : 6 coarse sand)	3.00 Cu.m.	2357.40-86.13 Cu.m.	6813.81	6.4.2- Diff.
25	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade . One or more coats on old work	1051.00 Sq.m.	22.85 Sq.m.	24015.35	14.54.1
26	Finishing walls with Delux Multi surface paint for interior and exteriors using peimer as per manufacturer specifications Painting wood work with Delux Multi Surface Paint of required shade . Two or more coat applied @ 0.90 Ltr/ 10 Sq.m over an under coat of primer applied @ 0.75 Ltr./10 Sq.m. of approved brand of manufacture.	83.00 Sq.m.	51.55 Sq.m.	4278.65	13.48.2
27	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings. Flat back wash basin of size 630 x 450 mm	5 Nos.	753.00 each	3765.00	17.25.1
28	Providing & fixing white vitreous china water closet squatting pan (Indian type) Long pattern WC pan of size 580 mm .	5 Nos.	534.60 each	2673.00	17.13.1
29	Providing anf fixing trap of self cleansing desin with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 100 mm inlet and 100 mm outlet. Centrifugally cast (Spun) iron S&S as per IS 3989	5 Nos.	544.30 each	2721.50	17.60.1.1
30	Providing and fixing a pair of white vitreous china foot rests of standard pattern for squatting pan water closet 250x130x30 mm	5 Pairs	111.70 pair	558.50	17.17.1

31	Providing and fixing PVC low level flushing cistern with manually controlled device (handle lever) conforming to IS 7231 with all fittings and fixtures complete.10 Ltrs. Capacity- white.	5 Nos.	709.75 each	3548.75	17.18.1
32	Providing & fixing white vitreous china pedestal type (European type / wash down type) water closet pan.	3 Nos.	841.25 each	2523.75	17.15
33	Providing and fixing kitchen sink with CI brackets, CP brass chain with rubber plug , 40 mm CP brass waste complete , including painting the fittings and brackets , cutting and making good the walls wherever required. White glazed fire clay kitchen sink of size 600 x 450 x 250 mm	2 Nos.	1793.35 each	3586.70	17.9.1
34	Providing & fixing MS grill of required pattern in frames of windows with MS flats, square or round bars etc. all complete. Fixed to steel windows by welding.	70.00 Kg.	59.25 Kg.	4147.50	9.48.1
35	Providing & fixing MS grill of required pattern in frames of windows with MS flats, square or round bars etc. all complete. Fixed in openings / wooden frames with raw plugs screws etc.	56.00 Kg.	64.40 Kg.	3606.40	9.48.2
36	Providing & fixing GI pipes complete with GI fittings and clamps, including cutting and making good the walls etc. (internal work) Exposed on wall 15 mm dia nominal bore	10.00 Mtrs.	105.85 Mtr.	1058.50	18.10.1
TOTAL				248247.20	

**Estimate for the work of Repair of 20 units BTS (Block No. 4, 5 & 6)
at Rajrappa Project.**

S N	Particulars	Qty.	Rate	Amount	Remarks
1	Cement concrete flooring :2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry but excluding the cost of nosing of steps etc. complete. 25 mm thick with 12.5 mm nominal size stone aggregate	200.00 Sq.m.	86.05 Sq.m.	17210.00	SOR'02 11.4.1
2	12mm cement plaster of mix 1:6 (1 cement : 6 fine sand)	160.00 Sq.m.	67.65 Sq.m.	10824.00	SOR'07 13.1.2
3	6 mm cement plaster of mix 1:3 (1 cement : 3 fine sand)	120.00 Sq.m.	62.15 Sq.m.	7458.00	13.16.1
4	Providing land laying in position cement concrete of specified grade excluding the cost of centering and shuttering – All work upto plinth level.-1:2:4 (1 Cement : 2 Coarse sand : 4 graded stone aggregate 20 mm nominal size).	5.45 Cu.m.	3257.45 Cu.m.	17753.10	4.1.3
5	Neat cement punning	72.60 Sq.m.	21.40 Sq.m.	911.64	13.18
6	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade old work (one or more coats)	4767.80 Sq.m.	14.90 Sq.m.	71040.22	14.45.1
7	White washing with lime to give an even shade . Old work (two or more coats)	761.40 Sq.m.	4.10 Sq.m.	3121.74	14.42.1
8	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade . One or more coats on old work	1634.60 Sq.m.	22.85 Sq.m.	37350.61	14.54.1
9	Providing and fixing ISI marked flush door shutters IS 2202 (Part-I) non decorative type core of block board construction with frame of Ist class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked stainless steel butt hinges with necessary screws.	40.36 Sq.m.	904.40 Sq.m.	36501.58	9.21.2
10	Applying priming coat with ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	96.86 Sq.m.	16.55 Sq.m.	1603.03	13.50.1
11	Providing and fixing ISI marked oxidized MS tower bolt black finish (Barrel type) with necessary screws etc. complete. 250 x 10 mm	60.00 Nos.	33.90 each	2034.00	9.63.1
12	Providing and fixing ISI marked oxidized MS handles conforming to IS : 4992 with necessary screws etc. complete. 100 mm	30.00 Nos.	7.75 each	232.50	9.66.2
13	Providing & fixing ISI marked oxidised MS sliding door bolts with nuts and screws etc. complete. 250 x 16 mm	15.00 Nos.	69.65 each	1044.75	9.62.2
14	Dismantling doors, windows and clearstorey window (steel or wood) shutters including chowkats architrave holdfasts etc. complete and stacking within 50 M. lead. Of area 3 Sq.m. and below	30.00 Nos.	54.60 each	1638.00	15.12.1
15	Structural steel work in single section fixed with or without connecting plate including cutting , hoisting fixing in position and applying a priming coat of approved steel primer all complete.	915.00 Kg.	42.15 Kg.	38567.25	10.1
16	Renewing glass panes with putty and nails wherever necessary .Flot glass panes of thickness 4 mm	43.20 Sq.m.	427.60 Sq.m.	18472.32	14.5.1
17	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	107.25 Sq.m.	192.95 Sq.m.	20693.88	11.3.1
TOTAL				286456.62	

**Estimate for the work of Repair and maintenance of 20 Units B type quarters at
Rajrappa Project (1st Phase).**

S N	Particulars	Qty.	Rate	Amount	Remarks
1	Dismantling doors, windows and clearstorey window (steel or wood) shutters including chowkats architrave holdfasts etc. complete and stacking within 50 M. lead. Of area 3 Sq.m. and below	60.00 Nos.	54.60 each	3276.00	15.12.1
2	Structural steel work in single section fixed with or without connecting plate including cutting , hoisting fixing in position and applying a priming coat of approved steel primer all complete.	1600.00 Kg.	42.15 Kg.	67440.00	10.1
3	Providing wood work in frames of doors windows , clearstorey windows and other frames wrought framed and fixed in position second class sal wood.	0.51 Cu.m.	30511.90 Cu.m.	15561.06	9.1.2
4	Providing and fixing ISI marked flush door shutters IS 2202 (Part-I) non decorative type core of block board construction with frame of Ist class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked stainless steel butt hinges with necessary screws.	68.91 Sq.m.	904.40 Sq.m.	62322.20	9.21.2
5	Providing & fixing paneled or paneled and glazed shutters for doors windows and clearstorey windows including ISI marked black enameled MS butt hinges with necessary screws excluding paneling which will be paid for separately kiln seasoned and chemically treated hollock wood 35 mm thick 30 mm thick shutters	378.00 Sq.m.	810.90 Sq.m.	3065.20	9.5.2.2
6	Providing & fixing paneling or paneling and glazing in paneled or paneled and glazed shutters for doors , windows and clearstorey windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured) paneling for paneled or paneled and glazed shutters 25 mm to 40 mm thick. Kiln seasoned and chemically treated hollock wood.	1.62 Sq.m.	711.25 Sq.m.	1152.22	9.7.2
7	Renewing glass panes with putty and nails wherever necessary .Flot glass panes of thickness 4 mm	3.60 Sq.m.	427.60 Sq.m.	1539.36	14.5.1
8	Applying priming coat with ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	193.20 Sq.m.	16.55 Sq.m.	3197.46	13.50.1
9	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade . Two or more coats on new work	193.20 Sq.m.	35.35 Sq.m.	6423.90	13.61.1
10	Providing and fixing ISI marked oxidized MS tower bolt black finish (Barrel type) with necessary screws etc. complete. 250 x 10 mm	60.00 Nos.	33.90 each	2034.00	9.63.1
11	Providing and fixing ISI marked oxidized MS handles conforming to IS : 4992 with necessary screws etc. complete. 100 mm	35 Nos.	7.75 each	271.25	9.66.2
12	Providing & fixing ISI marked oxidised MS sliding door bolts with nuts and screws etc. complete. 250 x 16 mm	15.00 Nos.	69.65 each	1044.75	9.62.2
13	Cement concrete flooring :2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry but excluding the cost of nosing of steps etc. complete. 25 mm thick with 12.5 mm nominal size stone aggregate	400.00 Sq.m.	86.05 Sq.m.	34420.00	SOR'02 11.4. 1
14	12mm cement plaster of mix 1:6 (1 cement : 6 fine sand)	500.00 Sq.m.	67.65 Sq.m.	33825.00	13.1.2
15	6 mm cement plaster of mix 1:3 (1 cement : 3 fine sand)	160.00 Sq.m.	62.15 Sq.m.	9944.00	13.16.1
16	12mm cement plaster of mix 1:4 (1 cement : 4 fine sand) Neat cement punning	70.40 Sq.m.	77.55+21.40 Sq.m.	6966.08	13.1.1

17	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade old work (one or more coats)	3000.00 Sq.m.	14.90 Sq.m.	44700.00	14.45.1
18	White washing with lime to give an even shade . Old work (two or more coats)	4767.80 Sq.m.	4.10 Sq.m.	19547.98	14.42.1
19	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade . One or more coats on old work	685.80 Sq.m.	22.85 Sq.m.	15670.53	14.54.1
20	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering – All work upto plinth level.-1:2:4 (1 Cement : 2 Coarse sand : 4 graded stone aggregate 20 mm nominal size).	1.20 Cu.m.	3257.45 Cu.m.	3908.94	4.1.3
21	Half brick masonry with FPS bricks of class designation 75 in foundations and plinth in cement mortar 1:4 (1 cement : 4 coarse sand)	60.00 Sq.m.	270.35-10.99 Sq.m.	15561.60	6.12.2- Diff.
	Brick work with FPS bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in Cement mortar 1:6 (1 Cement : 6 coarse sand)	6.00 Cu.m.	2357.40 Cu.m.	13627.62	6.4.2
TOTAL				365499.15	

Estimate for the work of Repair and maintenance of doors and windows of all quarters under GM Unit, Rajrappa Area

S N	Particulars	Qty.	Rate	Amount	Remarks
1	Dismantling doors, windows and clearstorey window (steel or wood) shutters including chowkats architrave holdfasts etc. complete and stacking within 50 M. lead. Of area 3 Sq.m. and below	120.00 Nos.	54.60 each	6552.00	15.12.1
2	Providing wood work in frames of doors windows , clearstorey windows and other frames wrought framed and fixed in position second class sal wood.	1.61 Cu.m.	30511.90 Cu.m.	49124.15	9.1.2
3	Providing and fixing ISI marked flush door shutters IS 2202 (Part-I) non decorative type core of block board construction with frame of Ist class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked stainless steel butt hinges with necessary screws.	60.99 Sq.m.	904.40 Sq.m.	55159.35	9.21.2
4	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	270.00 Nos.	61.50 each	16605.00	9.53
5	Providing and fixing ISI marked oxidized MS handles conforming to IS : 4992 with necessary screws etc. complete. 125 mm	120.00 Nos.	10.20 each	1224.00	9.66.1
6	Providing and fixing ISI marked oxidised MS tower bolt black finish (Barrel type) with necessary screws etc. complete. 200 x 10 mm	150.00 Nos.	28.60 each	4290.00	9.63.2
7	Providing and fixing ISI marked oxidised MS tower bolt black finish (Barrel type) with necessary screws etc. complete. 100 x 10 mm	90.00 Nos.	17.25 each	1552.50	9.63.4
8	Providing & fixing ISI marked oxidised MS sliding door bolts with nuts and screws etc. complete. 250 x 16 mm	75.00 Nos.	69.65 each	5223.75	9.62.2
9	Steel work welded in built-up sections / framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In stringers treads landings etc. of stair cases including use of chequered plate wherever required , all complete.	1132.25 Kg.	48.95 Kg.	55423.63	10.25.1
10	Steel work welded in built-up sections / framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings , frames, guard bar ladders railings brackets gates and similar works.	1658.00 Kg.	51.20 Kg.	84889.60	10.25.2
11	Renewing glass panes with putty and nails wherever necessary .Flat glass panes of thickness 4 mm	1.20 Sq.m.	427.60 Sq.m.	513.12	14.5.1
12	Finishing walls with Delux Multi surface paint for interior and exteriors using primer as per manufacturer specifications Painting wood work with Delux Multi Surface Paint of required shade . Two or more coat applied @ 0.90 Ltr/ 10 Sq.m over an under coat of primer applied @ 0.75 Ltr./10 Sq.m. of approved brand of manufacture.	192.07 Sq.m.	51.55 Sq.m.	9901.20	13.48.2
13	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade . Two or more coats on new work	244.92 Sq.m.	35.35 Sq.m.	8143.59	13.61.1
14	Providing & fixing MS grill of required pattern in frames of windows with MS flats, square or round bars etc. all complete. Fixed to steel windows by welding.	285.00 Kg.	59.25 Kg.	16872.00	9.48.1
15	12mm cement plaster of mix 1:6 (1 cement : 6 fine sand)	405.00 Sq.m.	67.65 Sq.m.	27398.25	13.1.2
TOTAL				342872.14	

**Estimate for the work of Renovation of 3 rooms of 1st floor of transit camp under
Rajrappa Area**

S N	Particulars	Qty.	Rate	Amount	Remarks
1	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacture) of 1 st quality conforming to IS: 15622 of approved make in colour such as White , Ivory , Grey, Fume , Red Brown laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigment etc complete.	175.50 Sq.m.	598.65 Sq.m.	105063.07	11.37
2	Providing and fixing 1 st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of approved make in all colours shades except burgundy bottle green black of any size as approved by Engr. I/c. in skirting risers of steps and dados over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 Kg per sq.m. including pointing in white cement mixed with pigment of matching shade complete.	111.50 Sq.m.	556.60 Sq.m.	62060.90	11.36
3	Demolishing brick work manually by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 Mtrs. Lead as per direction of Engr. I/c – In cement mortar.	3.00 Cu.m.	310.75 Cu.m.	932.25	15.7.4
4	Half brick masonry with FPS bricks of class designation 75 in Superstructure above plinth level upto floor V level cement mortar 1:4 (1 cement : 4 coarse sand)	4.32 Sq.m.	302.80-10.99 Sq.m.	1260.61	6.13.2 – Diff.
5	Providing hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands, copings bed plates, anchor blocks plain window sills and the like including the cost of required centering , shuttering , finishing smooth with 6 mm thick cement plaster 1:3 (1 cement : 3 fine sand) on exposed surface complete but excluding cost of reinforcement with 1:2:4 (1 Cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	0.53 Cu.m.	4882.25 Cu.m.	2587.59	5.12
6	Reinforcement for RCC work including straightening cutting bending, placing in position and binding all complete- Cod twisted bars	32.00 Kg.	42.70 Kg.	1366.40	5.22.3
7	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings. Flat back wash basin of size 630 x 450 mm	3 Nos.	753.00 each	2259.00	17.25.1
8	Providing & fixing GI pipes complete with GI fittings and clamps, including cutting and making good the walls etc. (internal work) Exposed on wall 15 mm dia nominal bore	6.00 Mtrs.	105.85 Mtr.	635.10	18.10.1
9	Providing & fixing brass stop cock of approved quality. 15 mm nominal bore.	9 Nos.	191.70 each	1725.30	18.16.1
10	Providing and fixing brass bib cock of approved quality 15 mm nominal bore	9 Nos.	191.70 each	1725.30	18.15.1
11	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with CP brass screws and washers complete.	3 Nos.	493.65 each	1480.95	17.31
12	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour 450 mm long towel rail with total length of 495 mm 78 mm wide and effective hight of 88 mm weighing not less than 170 gms	3 Nos.	294.65 each	883.95	17.73.1
13	Providing and fixing CP brass shower rose with 15 or 20 mm inlet 150 mm diameter.	3 Nos.	55.80 each	167.40	18.22.2

14	Brick work with FPS bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in Cement mortar 1:6 (1 Cement : 6 coarse sand)	4.50 Cu.m.	2357.40-86.13 Cu.m.	10220.71	6.4.2-Diff.
15	12mm cement plaster of mix 1:6 (1 cement : 6 fine sand)	43.11 Sq.m.	67.65 Sq.m.	2916.39	13.1.2
16	Neat cement punning	8.00 Sq.m.	21.40 Sq.m.	171.20	13.18
17	Providing non asbestos high impact Polypropylene reinforced cement 6 mm thick corrugated sheets (as per IS : 14871) roofing upto any pitch and fixing with polymer coated J or L hooks bolts and nuts 8 mm dia GI plain and bitumen washers or with self drilling fastner and EPDM washers etc. complete excluding the cost of purlins , rafters and trusses corrugated sheets and including cutting to size and shape wherever required.	9.00 Sq.m.	294.95 Sq.m.	2654.55	12.8
18	Structural steel work in single section fixed with or without connecting plate including cutting , hoisting fixing in position and applying a priming coat of approved steel primer all complete.	400.00 Kg.	42.15 Kg.	16860.00	10.1
19	Providing and fixing ISI marked flush door shutters IS 2202 (Part-I) non decorative type core of block board construction with frame of Ist class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked stainless steel butt hinges with necessary screws.	5.67 Sq.m.	904.40 Sq.m.	5727.94	9.21.2
20	Providing and fixing ISI marked oxidized MS tower bolt black finish (Barrel type) with necessary screws etc. complete. 250 x 10 mm	6 Nos.	33.90 each	203.40	9.63.1
21	Providing and fixing ISI marked oxidized MS handles conforming to IS : 4992 with necessary screws etc. complete. 100 mm	3 Nos.	7.75 each	23.25	9.66.2
22	Providing & fixing ISI marked oxidised MS sliding door bolts with nuts and screws etc. complete. 250 x 16 mm	3 Nos.	69.65 each	208.95	9.62.2
23	Providing and fixing PVC low level flushing cistern with manually controlled device (handle lever) conforming to IS 7231 with all fittings and fixtures complete.10 Ltrs. Capacity- white.	3 Nos.	709.75 each	2129.25	17.18.1
24	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade old work (one or more coats)	430.00 Sq.m.	14.90 Sq.m.	6407.00	14.45.1
25	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade . One or more coats on old work	108.50 Sq.m.	22.85 Sq.m.	2479.22	14.54.1
26	Mirror polishing on marble work / granite work / stone work wherever required to give high gloss finish complete.	118.00 Sq.m.	94.20 Sq.m.	11115.60	8.6
TOTAL				242665.28	