

From:
The Principal,
Government Degree College,
Salur,
Parvathipuram Manyam District.

To:
The District Collector and Magistrate,
Parvathipuram Manyam District.
Andhra Pradesh.

Respected Sir,

Sub: Government Degree College, Salur – Proposal for creation of sports Infrastructure under “Khelo India – Sports Infrastructure as a Central Sector Scheme” – Regarding.

Ref: Proceedings RC. No: 01/Sports Infrastructure / AC-14/CCE/2022 of Commissioner of Collegiate Education, AP, Mangalagiri dated 03.11.2022.

--oOo--

As per the reference cited above, Honourable Commissioner of Collegiate Education, AP, Mangalagiri directed all the Principals of Government Degree Colleges in the State which have required vacant land for proposed project and free from all encumbrances to send proposals for creation of Sports Infrastructure under “Khelo India – Sports Infrastructure as a Central Sector Scheme”.

In this Connection, I request your esteemed office to instruct Andhra Pradesh Education & Welfare Infrastructure Development Corporation (APEWIDC) to Prepare Line Estimates and Detailed Project Report (DPR) for Multipurpose Hall of size 60M X 40M X 12.5M (Maximum Admissible grant of Rs. 8.00 Crore) for which Site is available in Government Degree College, Salur Premises which is free from all encumbrances.

Thank You Sir

Date: 07.03.2023

Yours Sincerely

Ravi
07032023

PRINCIPAL

Govt. Degree College-Salur
Parvathipuram Manyam Dist.

From:
The Principal,
Government Degree College,
Salur,
Parvathipuram Manyam District.

To:
The District Collector and Magistrate,
Parvathipuram Manyam District.
Andhra Pradesh.

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Thank You Sir

EE, EWI DC
prepare &
put up.

Q. S.
COLLECTOR
PARVATHIPURAM MANYAM

Date: 07.03.2023

Yours Sincerely

R. S. V.
07/03/2023

PRINCIPAL
Govt. Degree College-Salur
Parvathipuram Manyam Dist.

Date: 13.04.2023

From:

The Principal,
Govt. Degree College,
Salur,
Parvathipuram Manyam Dist.

To:

The Executive Engineer,
APEWIDC,
Parvathipuram,
Parvathipuram Manyam Dist.

Sir,

Sub: Govt. Degree College, Salur – Parvathipuram Manyam Dist – Construction of Multi Purpose Hall of size 60mX40mX12.5m in our college premises under Khelo India – Sports Infrastructure as central sector scheme – request to prepare a revised estimation – Detailed Project Report (DPR) – From 8.00 crores to 10 to 14 crores – regd.

Ref: 1. Letter to Hon'ble District Collector dated: 07.03.2023

2. Lr.Rc.No:11/2022-23/APEWIDC/Manyam/Salur/DB dated: 31.03.2023.

3. Guidelines from the Khelo India

---oOo---

With reference 1st cited, we request the Hon'ble District Collector to prepare Detailed Project Report (DPR) for Multi-purpose Hall with measuring 60m X 40m X 12.5m for Rs.8.00 Crores through APEWIDC. The DPR was prepared by your office on 31.03.2023 vide reference 2nd cited.

In due course, vide reference 3rd cited the estimate cost was enhanced from 8 crores to 10 to 14 crores for construction of Multi-purpose Hall with 60m X 40m X 12.5m size. In this connection I request to prepare revised DPR as per the reference 3rd cited at an early date to onward submission to central Government through SAAP for approval.

Thank you.

Enclosures:-

1. Reference 3rd cited.

Yours faithfully,

R. S. V.
13.04.2023

PRINCIPAL
Govt. Degree College-Salur
Parvathipuram Manyam

**GOVERNMENT OF ANDHRA PRADESH
EDUCATION & WELFARE INFRASTRUCTURE DEVELOPMENT CORPORATION**

From:
Sri. M. Jagga Rao, B.Tech
Executive Engineer,
APEWIDC,
PVP Manyam District.

To
The Principal,
Govt., Degree College,
Saluru Municipality,
PVP Manyam District.

Lr.Rc.No.11/2022-23/APEWIDC/Manyam/Saluru /DB, Dated:31.03.2023.

Sir,

Sub:- APEWIDC, Manyam District – Construction of Multipurpose Hall of size 60mx40mx12.5M in the premises of Govt., Degree College at Saluru Municipality of Manyam District under Khelo India –Sports Infrastructure as Central Sector Scheme” – Estimate cost of Rs. 8.00 Crores – Detailed Project Report (DPR) – Submitted for according Administrative Sanction – Requested – Regarding.

Ref:- Letter Dt. 07.03.2023 of the Principal, Govt., Degree College at Saluru of Manyam District.

#


I invite attention to the reference cited above, wherein the Principal, Govt., Degree College at Saluru of Manyam District has requested the Executive Engineer, APEWIDC., Manyam District to prepare the Detailed estimate for the work “Construction of Multipurpose Hall of size 60mx40mx12.5M in the premises of Govt., Degree College at Saluru Municipality of Manyam District under Khelo India Sports Infrastructure as Central Sector Scheme” and Collector & District Magistrate, PVP Manyam has been issued marginal instructions to the Executive Engineer, APEWIDC., PVP Manyam to prepare and submit the DPR on the above said work.

Accordingly, as per the marginal instructions of the Collector & District Magistrate, PVP Manyam, the Detailed Project Report (DPR) for the work “Construction of Multipurpose Hall of size 60mx40mx12.5M on the premises of Govt., Degree College at Saluru Municipality of Manyam District under Khelo India –Sports Infrastructure as Central Sector Scheme” with an amount of Rs. 8.00 Crores is here with furnished to the Principal, Govt., Degree College at Saluru of Manyam District for according administrative sanction from the competent Authority.

Encl:- DPR -1 No.

Yours faithfully,


Executive Engineer,
APEWIDC, PVP Manyam.


31.3.2023

ANNEXURE-1

KHELO INDIA SPORTS INFRASTRUCTURE

Application Form

S.No	Details	
Details of Grantee		
01	Name of Applicant Organization	PRINCIPAL, Govt. Degree College Salur
02	Postal Address with pin code	Government Degree College, Salur Srinivasa Colony, Salur - 535591 Parvathipuram Manyam Dist.
03	Phone Number, Fax No, and E-Mail	9440315792, salur.jkc@gmail.com
04	Name of the Project	Khelo India – Utilization and creation/up gradation of Sports Infrastructure for Multi-purpose Indoor Stadium Hall 4 Site 60M x 40M x 12.5M.
05	Location where the Project is Proposed to be executed	Government Degree College, Salur Srinivasa Colony, Salur - 535591 Parvathipuram Manyam Dist.
06	Area of Land	9.96 acres
07	Land ownership owned / leased (The title of the land should be clear and free from all encumbrances. Forest land may not be selected)	Owned by Government Degree College, Salur Parvathipuram Manyam Dist. (copy enclosed)
08	Details of Sports facilities to be created in case the application is for construction of multi-purpose indoor hall	✓
09	Estimated cost of the Project	Rs. 800 Lakhs
10	Centre's share out of S.No. 09 above	
11	How the difference , if any between S.No.09 and S.No.10	-----

	will be met	
12	Details of existing sports facilities if any, with in the area of Urban Agglomeration or Municipal Limits for the proposed mentioned in S.No. 5 above	
13	Justification for the proposal	This is a tribal area and the only government degree college in this municipality (Salur), by executing this project helps this college improve the standards of sports and games.
14	Time required for completion of the project	1 year

Authorized Signatory

(With official Stamp)

/Countersigned/

Principal Secretary/Secretary
In charge Sports Department

(Name: _____)
(With official stamp)

ANNEXURE 1 (Contd.....)

CERTIFICATE

1. Certified that the land on which the proposed to be executed is readily available for commencement of work and is free from all encumbrances.
2. We undertake that the cost of the project over and above the grant admissible under Khelo India Scheme shall be borne by the State/University.
3. We undertake that the memorandum of Understanding (MoU) prescribed in Annexure 4 of Khelo India Scheme shall be signed by the authorized signatory of the State/University and that of Sports Authority of India.
4. We undertake that the sports facilities, once created, shall be allowed to be used by general public free of cost or on payment of a nominal fee.
5. We undertake that the maintenance of the assets created shall be looked after by the State/University at their expense.

Authorized Signatory
Name & Designation
(With Official Stamp)

/Countersigned/

Principal Secretary/Secretary
In charge Sports Department
(Name: _____)
(With official stamp)

Note

1. If the proposal is forwarded by State Govt., the Application and Certificate shall be signed by Director and Countersigned by the Principal Secretary/Secretary of the Department of Sports.
2. If the proposal is forwarded by Sports Council/Authority, the Application and Certificate shall be signed by the Secretary of the Council/Authority and countersigned by the Principal Secretary/Secretary of the Department of Sports.
3. If the Proposal is forwarded by a School/College/University, the Application and Certificate shall be signed by the Principal/Vice-Chancellor respectively and countersigned by the Principal Secretary/Secretary of the Department of Sports of the respective State Govt.
4. If the proposal is forwarded by a Local Body/Sports Control Board, the Application and Certificate shall be signed by the Commissioner/Secretary in charge respectively and countersigned by the Principal Secretary/Secretary of the Department of Sports of the respective State Govt.

GOVERNMENT OF ANDHRA PRADESH
EDUCATION & WELFARE INFRASTRUCTURE DEVELOPMENT CORPORATION

From:
Sri. M. Jagga Rao, B.Tech
Executive Engineer,
APEWIDC,
PVP Manyam District.

To
The Principal,
Govt., Degree College,
Saluru Municipality,
PVP Manyam District.

Lr.Rc.No.11/2022-23/APEWIDC/Manyam/Saluru /DB, Dated:31.03.2023.

Sir,

Sub:- APEWIDC, Manyam District – Construction of Multipurpose Hall of size 60mx40mx12.5M in the premises of Govt., Degree College at Saluru Municipality of Manyam District under Khelo India –Sports Infrastructure as Central Sector Scheme” – Estimate cost of Rs. 8.00 Crores – Detailed Project Report (DPR) – Submitted for according Administrative Sanction – Requested – Regarding.

Ref:- Letter Dt. 07.03.2023 of the Principal, Govt., Degree College at Saluru of Manyam District.

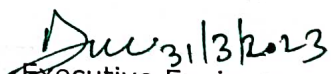
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
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Accordingly, as per the marginal instructions of the Collector & District Magistrate, PVP Manyam, the Detailed Project Report (DPR) for the work “Construction of Multipurpose Hall of size 60mx40mx12.5M on the premises of Govt., Degree College at Saluru Municipality of Manyam District under Khelo India –Sports Infrastructure as Central Sector Scheme” with an amount of Rs. 8.00 Crores is here with furnished to the Principal, Govt., Degree College at Saluru of Manyam District for according administrative sanction from the competent Authority.

Encl:- DPR -1 No.

Yours faithfully,


Executive Engineer,
APEWIDC, PVP Manyam.


31-3-2023

Date: 13.04.2023

From:

The Principal,
Govt. Degree College,
Salur,
Parvathipuram Manyam Dist.

To:

The Executive Engineer,
APEWIDC,
Parvathipuram,
Parvathipuram Manyam Dist.

Sir,

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In due course, vide reference 3rd cited the estimate cost was enhanced from 8 crores to 10 to 14 crores for construction of Multi-purpose Hall with 60m X 40m X 12.5m size. In this connection I request to prepare revised DPR as per the reference 3rd cited at an early date to onward submission to central Government through SAAP for approval.

Thank you.

Enclosures:-

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Yours faithfully,

R. S. V.
13.04.2023

PRINCIPAL
Govt. Degree College-Salur
Parvathipuram Manyam

ANNEXURE-1
KHELO INDIA SPORTS INFRASTRUCTURE

Application Form

S.No	Details	
Details of Grantee		
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02	Postal Address with pin code	Government Degree College, Salur Srinivasa Colony, Salur - 535591 Parvathipuram Manyam Dist.
03	Phone Number, Fax No, and E-Mail	9440315792, salur.jkc@gmail.com
04	Name of the Project	Khelo India – Utilization and creation/up gradation of Sports Infrastructure for Multi-purpose Indoor Stadium Hall 4
05	Location where the Project is Proposed to be executed	Site 60M x 40M x 12.5M. Government Degree College, Salur Srinivasa Colony, Salur - 535591 Parvathipuram Manyam Dist.
06	Area of Land	9.96 acres
07	Land ownership owned / leased (The title of the land should be clear and free from all encumbrances. Forest land may not be selected)	Owned by Government Degree College, Salur Parvathipuram Manyam Dist. (copy enclosed)
08	Details of Sports facilities to be created in case the application is for construction of multi-purpose indoor hall	✓
09	Estimated cost of the Project	Rs. 800 Lakhs
10	Centre's share out of S.No. 09 above	
11	How the difference , if any between S.No.09 and S.No.10	-----

	will be met	
12	Details of existing sports facilities if any, with in the area of Urban Agglomeration or Municipal Limits for the proposed mentioned in S.No. 5 above	
13	Justification for the proposal	This is a tribal area and the only government degree college in this municipality (Salur), by executing this project helps this college improve the standards of sports and games. <i>with sufficient land for sports activities</i>
14	Time required for completion of the project	2 year

Authorized Signatory

Name & Designation

(With official stamp)

(With official Stamp)

/Countersigned/

Principal Secretary/Secretary
In charge Sports Department

(Name: _____)
(With official stamp)

ANNEXURE 1 (Contd.....)

CERTIFICATE

1. Certified that the land on which the proposed to be executed is readily available for commencement of work and is free from all encumbrances.
2. We undertake that the cost of the project over and above the grant admissible under Khelo India Scheme shall be borne by the State/University.
3. We undertake that the memorandum of Understanding (MoU) prescribed in Annexure 4 of Khelo India Scheme shall be signed by the authorized signatory of the State/University and that of Sports Authority of India.
4. We undertake that the sports facilities, once created, shall be allowed to be used by general public free of cost or on payment of a nominal fee.
5. We undertake that the maintenance of the assets created shall be looked after by the State/University at their expense.

Authorized Signatory
Name & Designation
(With Official Stamp)

/Countersigned/

Principal Secretary/Secretary
In charge Sports Department
(Name: _____)
(With official stamp)

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Note

1. If the proposal is forwarded by State Govt., the Application and Certificate shall be signed by Director and Countersigned by the Principal Secretary/Secretary of the Department of Sports.
2. If the proposal is forwarded by Sports Council/Authority, the Application and Certificate shall be signed by the Secretary of the Council/Authority and countersigned by the Principal Secretary/Secretary of the Department of Sports.
3. If the Proposal is forwarded by a School/College/University, the Application and Certificate shall be signed by the Principal/Vice-Chancellor respectively and countersigned by the Principal Secretary/Secretary of the Department of Sports of the respective State Govt.
4. If the proposal is forwarded by a Local Body/Sports Control Board, the Application and Certificate shall be signed by the Commissioner/Secretary in charge respectively and countersigned by the Principal Secretary/Secretary of the Department of Sports of the respective State Govt.



DETAILED - ESTIMATE

Name of work : Construction of Multipurpose Hall (60x40) in Government
Degree College at Saluru Municipality of Paravathipuram
Manyam District

Estimate cost : Rs. 800 Lakhs

Executing Agency : Executive Engineer,
A.P.E.W.I.D.C.,
PVP Manyam

SPECIFICATION REPORT

Specification report to accompany the detailed estimate for the work "Construction of Multipurpose Hall of size 60mx40mx12.5M in the premises of Govt., Degree College at Saluru Municipality of Manyam District under Khelo India –Sports Infrastructure as Central Sector Scheme."


Org.Est. Cost. Rs.800.00 lakhs.


The Collector & District Magistrate, PVP Manyam has been given marginal instructions to the Executive Engineer, APEWIDC., PVP Manyam to prepare the Detailed Project Report (DPR) for the work "Construction of Multipurpose Hall of size 60mx40mx12.5M in the premises of Govt., Degree College at Saluru Municipality of Manyam District under Khelo India –Sports Infrastructure as Central Sector Scheme".

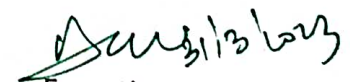
Accordingly, As per instructions of the Higher Authorities the site was inspected and the prepared a detailed estimate for the above work for Rs. 800.00 lakhs with the following Provisions.


- Earth work
- PCC 1:5:10
- VRCC for all RCC works
- Brick Masonry
- Plasterings
- Providing Paintings
- Flooring with Vitrified tiles
- Flooring with Ceramic tiles for Toilets
- Dadoing with Glazed tiles
- Providing Doors & NCL Windows
- Providing PVC Doors
- Providing Galvalum Profile Sheet & Trusses
- Providing HYSD Steel bars
- Providing Sanitary & Water Supply Arrangements
- Provision for Electrification

The Detailed estimate is prepared with Current SSDR 2022-23 and work will be comes and as per Standard Specification of APSS and also provisions like GST @ 18%, NAC @ 0.10%, PS Charges @ 7% & QC @ 0.50%.


31/3/2023
Asst. Engineer,
APEWIDC., Saluru.


Dy. Executive Engineer,
APEWIDC., Palakonda.


Executive Engineer,
APEWIDC., PVP Manyam.


24-3-2023

GENERAL ABSTRACT

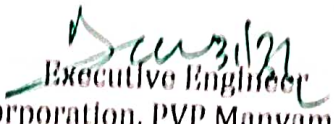
**Construction of Multipurpose Hall (60x40) in Government Degree College
at Saluru Municipality of Paravathipuram Manyam District**

S.No	Name of the work	Estimate Amount (Rs. in Crores)
1	Construction of Multipurpose Indoor stadium (60x40)	8.00
(Rupees Eight Crores only)		


Asst. Engineer

A.P. Education & Welfare Infrastructure Development Corporation, PVP Manyam


Dy. Executive Engineer


Executive Engineer

DETAILED CUM ABSTRACT ESTIMATE										
Name of the Work: Construction of Multipurpose indoor stadium (60x40) in Government Degree College at Saluru Municipality of Paravathipuram Manyam District										
S.N	Description of item	No	L	B	D	Qty	Unit	Rate	Per	Amount
1	Earth work excavation for foundations (Manual Means) of buildings, septic tank, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)									
	For footings	18	2.50	2.50	3.20	360.00				
		18	2.50	2.50	3.20	360.00				
		24	3.50	3.50	3.20	940.80				
	For RR Masonary long walls	1	60.00	0.75	0.60	27.00				
	For RR Masonary short walls	1	40.00	0.75	0.60	18.00				
						1705.80	cum	261.00	1 cum	445214.00
2	Filling with carted coarse sand in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, watering and ramming including cost and conveyance of water to work site and all peraitonal, incidental, labour charges, hire charges of T&P etc., and complete for finished item of work (APSS NO.309&310)									
	For footings	60	3.00	3.00	0.30	162.00				
	For RR Masonary long walls	1	60.00	0.90	0.30	16.20				
	For RR Masonary short walls	1	40.00	0.90	0.30	10.80				
	For basement filling	1	60.00	40.00	1.50	3600.00				
		56	3.00	3.00	2.00	1008.00				
						4797.00	cum	816.00	1 cum	3914352.00
3	Plain Cement Concrete (1:5:10) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard, machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed, ramming in 15 cm layers finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No.									
	For footings	60	3.00	3.00	0.10	54.00				
	For RR Masonary long walls	2	60.00	1.20	0.10	14.40				
	For RR Masonary short walls	2	40.00	1.20	0.10	9.60				
	for badement filling	1	60.00	24.00	0.10	144.00				
						222.00	cum	4065.00	1 cum	902430.00
4	Random Rubble stone masonry in CM (1:8) prop: (Cement: Screened sand) using hard other than granite stones carted from approved quarry including cost and conveyance of all materials like cement, screened sand, water, stones etc., from approved quarry, to site, sales & other taxes on all materials including labour for cutting stones to required size and shape, mixing, of cement, mortar, construction, curing etc., and overheads & contractors profit complete for finished item of work in foundation and basement. (APSS No. 601 & 615)									
	For long walls	2	60.00	0.75	1.00	90.00				
	For short walls	2	40.00	0.75	1.00	60.00				
						150.00	cum	3365.00	1 cum	504750.00
5	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 380 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and sales & other taxes on all materials, centering using Steel scaffolding pipes, jack props, wallers, Foot plates, brackets, steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., and overheads & contractors profit complete but excluding cost of steel and its fabrication charges for finished item of work									
	For footings	56	3.00	3.00	0.60	302.40	cum	10293.00	1 cum	3112603.00

	For pedestal	56	0.75	0.75	0.60	18.90	cum	10882.00	1	cum	205670.00
	For plinth Beam										
	For long	4	60.00	0.23	0.30	16.56					
	short walls	4	40.00	0.23	0.30	11.04					
	for long wall cross wall	15	8.00	0.23	0.30	8.28					
	for long wall cross wall	9	8.00	0.23	0.30	4.97					
						40.85	cum	12894.00	1	cum	526694.00
	for septic tank base slab 230mm thick	1	5.00	6.00		30.00	sqm	1829.00	1	sqm	54870.00
6	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 380 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and sales & other taxes on all materials, centering using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing, overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)										
	For columns										
	Ground floor 3.66m	40	0.23	0.90	7.00	57.96	cum	13417.00	1	cum	777649.00
	First floor 3.66m unsupported	40	0.23	0.90	3.00	24.84	cum	13842.00	1	cum	343835.00
	Ground floor 10.5m unsupported	12	0.23	0.90	0.75	1.86	cum	13842.00	1	cum	25788.00
	For lintels										
	Ground floor	40	2.00	0.23	0.23	4.23	cum	13449.00	1	cum	56916.00
	First floor	40	2.00	0.23	0.23	4.23	cum	13779.00	1	cum	58313.00
	for sump side walls										
	long wall	2	5.00		3.00	30.00					
	short walls	2	8.00		3.00	48.00					
						78.00	sqm	2562.00	1	sqm	199836.00
7	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 380 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and sales & other taxes on all materials, centering using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing, overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)										
	for roof beams										
	Ground floor 3.66 unsupported										
	long beams	4	60.00	0.30	0.45	32.40					
		2	20.00	0.30	0.45	5.40					
	cross beams	14	8.00	0.30	0.45	15.12					
		4	8.00	0.30	0.45	4.32					
						57.24	cum	11737.00	1	cum	671826.00
	First floor 3.66 unsupported high										
	long beams	4	60.00	0.30	0.45	32.40					
		2	40.00	0.30	0.45	10.80					
	cross beams	18	8.00	0.30	0.45	19.44					
		8	8.00	0.30	0.45	8.64					
	For gallery										
	long beams	12	8.00	0.30	0.45	12.96					
	cross beams	8	38.00	0.30	0.45	41.04					
						125.28	cum	12180.00	1	cum	1525910.00
	Roof Slabs 125mm thick for 3.66 m unsupported high										
	Ground floor	1	60.00	8.00		480.00					
		1	40.00	8.00		320.00					
	First floor					800.00	sqm	1421.00	1	sqm	1136800.00
		1	60.00	8.00		480.00					
		1	60.00	8.00		480.00					
						960.00	sqm	1475.00	1	sqm	1416000.00

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16	Flooring with polished shahabad / Thandoor stone slabs of 15mm to 18mm thick set over a base coat of CM (1:8) , 12mm thick using screened sand over already laid CC bed / RCC roof slab including neat cement slurry of honey like consistency spread @ 3.3 Kgs per Sqm and jointed with neat cement to full depth including cost and conveyance of all materials like cement, sand, water, flooring stones etc. complete including sales & other taxes on all materials including all labour charges like dressing of flooring stones to the required size, mixing of cement mortar, laying, lift charges , cost of base coat, water charges etc., and overheads & contractors profit complete for finished item of work. (APSS No.703 & 701)										
	Ground floor										
		1	20.00	8.00		160.00					
						160.00	sqm	971.00	1	Sqm	155360.00
17	Flooring with soluble salt porcelain vitrified tiles screen printed and polished of size 600 x 600 mm and thickness between 8 to 10mm 1st quality conforming to IS: 13711, IS: 13712, IS: 13630(Parts 1 to 15) of any colour and finish in all shades and designs with borders and design as per the approved flooring pattern as directed by the Engineer-In -Charge, laying tiles using spacers of 2mm thick, set over a base coat of CM (1:8) prop. 12mm thick using screened sand over CC bed already laid or RCC roof slab , including neat cement slurry of honey like consistancy spread @ 3.3 kgs per Sqm. and jointed neatly with white cement paste to full depth mixed with pigment of matching shade including cost and conveyance of all materials like cement, sand, water, tiles, white cement etc., to site (excluding cost of C.C. bed) including cost of base coat and all labour charges for mixing of cement mortar, laying tiles to required slope as directed by the Engineer- in-charge etc.,and overheads & contractors profit complete for finished										
	Ground floor										
		1	40.00	8.00		320.00					
						320.00	sqm	1067.00	1	Sqm	341440.00
	First floor										
		1	60.00	8.00		480.00					
		1	25.00	8.00		200.00					
						680.00	sqm	1102.00	1	Sqm	749360.00
18	Flooring with non-skid full body ceramic floor tiles of size 300mm x 300mm and thickness between 7 - 8mm 1st quality conforming to IS: 13711, IS: 13712, IS: 13630(Part 1 to 15) of any colour and finish in all shades and designs as approved by Engineer-in-charge, set over base coat of cement mortar (1:8), 12mm thick using screened sand over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3 Kgs per Sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, screened sand , water and tiles etc., and overheads & contractors profit complete for finished item of work. (APSS No.701 & 707)										
	Ground floor										
		1	35.00	7.00		245.00					
						245.00	sqm	986.00	1	Sqm	241570.00
19	Providing dadoing to walls with glazed full body ceramic tiles of any size and thickness between 5 to 7mm 1st quality conforming to IS: 13711, IS: 13712, IS: 13630(Parts 1 to 15) of any colour and finish in all shades and designs with borders as approved by Engineer-in-Charge set over base coat of CM(1:5) 12 mm thick using screened sand with cement slurry of honey like consistency spread at the rate of 3.30 kgs per sqm and jointing with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like tiles, cement, sand and water etc., and overheads & contractors profit complete for finished item of work.										
	Ground floor										
		8	8.00	4.00		256.00					
						256.00	sqm	804.00	1	Sqm	205824.00

20	FLC-4.6) using 12.5mm thick Gyp Board sheet tiles of size 595mm x 595mm conforming to IS 2095 - 1992 fixing to Gyp steel precast GI wall angle of size 25mm x 25mm x 0.70mm thick along the perimeter of ceiling screw fixed to brick work / partition at 610mm center to center and suspending the frame work using precast GI Tee section (24mm x 38mm x 0.7mm) from soffit at 1220mm center to center fixed with GI Soffit Cleat, rawl plugs and steel expansion fasteners & connecting clip to the GI Tee section with 4mm dia GI rod with galvanised spring steel level clip of PVC universal holding clips system at 1200mm center to center and fixing the 12.5mm Gypboard sheet tiles of size 595mm x 595mm and finishing two coats of drywall top coat, overheads and contractor profit complete for finished item of work in all floors.									
		1	28.00	7.00		196.00				
		1	40.00	20.00		800.00				
						996.00	sqm	1070.00	1	sqm
21	Supply & application of one coat water based cement primer of interior grade I and two coats of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/litre for internal walls including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc., and overheads & contractors profit complete for finished item of work in all floors.									
	Ground floor									
	for long walls	2	60.00	4.00		480.00				
	for short walls	2	40.00	4.00		320.00				
	for cross walls	8	8.00	4.00		256.00				
	for ceiling	1	60.00	8.00		480.00				
	First floor									
	for long walls	2	60.00	4.00		480.00				
	for short walls	2	40.00	4.00		320.00				
	for cross walls	10	8.00	4.00		320.00				
	for ceiling	1	60.00	8.00		480.00				
						3136.00	sqm	270.00	1	sqm
22	Supply & application of one coat water based cement primer of exterior grade II and two coats of acrylic exterior emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/litre for exterior walls including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc., and overheads & contractors profit complete for finished item of work in all floors.									
	for long walls	1	60.00	8.00		480.00				
	for short walls	1	40.00	8.00		320.00				
						800.00	sqm	287.00	1	sqm
23	Painting two coats with synthetic enamel paint Grade-II VOC (Volatile Organic Compound) content less than 50 grams/litre over primer coat of red oxide to new iron work including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc., and overheads & contractors profit complete for finished item of work in all floors. (SS No. 1201, 1212 & 1207).									
		20	2.50	3.00		150.00				
						150.00	sqm	185.00	1	sqm
24	Supplying and fixing of Pre-painted Galvalume Trapezoidal Profile Roofing sheets with 0.50mm thickness, Coating: Alu-Zinc coating AZ150 GSM. Tensile Strength: 550 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours fixed with G.I 'J' bolts & nuts 8 mm dia with bitumen & G.I limpet washers filled with white lead & including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete (up to a pitch of 600) etc., complete, excluding the cost of purlins, rafters, trusses including cost and conveyance of all materials, labour charges, overheads and contractors profit etc., complete for finished item of work in all floors.									
		1	60.00	14.00		840.00				
						840.00	sqm	745.00	1	sqm

[illegible]

29	chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; 1/2" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 904 mm (3'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing, overheads & contractors profit etc., complete for finished item of work as per Standard specification.										
		10				20.00	nos	7405.00	1	nos	148100.00
30	Supplying and fixing European water Closer or 1st quality conforming to IS:2556-Part-2:1973 of white glazed with 'S' trap, supplying and fixing best Indian make plastic seat and lid for European water closets with rubber or plastic Buffers as per IS 2548-1996 and 10 litres capacity single flush PVC low level cistern with internal components and fixed using required size of nails and screws, angle stop cock 12.70mm dia. first quality Indian make heavy duty, 12mm PVC connections with brass union nuts CP coated including cost and conveyance of all materials to site, overheads & contractors profit etc., complete for finished item of work for all floors.										
		10				25.00	nos	5768.00	1	nos	144200.00
31	Supplying and fixing Indian make 1st quality conforming to IS:2556-Part-4:1972 of size 550mm x 400mm with 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make heavy duty complete with standard CI brackets including wooden blocks, 1 No. 12.70mm PVC connection with brass union nuts CP coated, angle stop cock 12.70mm dia. first quality Indian make heavy duty, 31.75mm dia. PVC flexible waste pipe 914.4mm length of 1st quality including cost and conveyance of all materials to site, labour charges, overheads & contractors profit for finished item of work for all floors.										
		10				25.00	nos	2761.00	1	Nos	69025.00
32	Supplying and fixing of SWR PVC pipes (Prince/Sudhakar/Kisan/Supreme or any ISI brand) 4 Kg/Sq.cm. and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges, overheads & contractors profit complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)										
	90mm dia		100.00			100.00	Rmt	243.00	1	Rmt	24300.00
	110mm dia		100.00			100.00	Rmt	273.00	1	Rmt	27300.00
	160mm dia		90.00			90.00	Rmt	536.00	1	Rmt	48240.00
33	Supplying & fixing GI pipe Medium Grade properties & weight as per IS 1239 ISI mark in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges, overheads &										
	15mm Nominal bore		25.00			25.00	Rmt	241.00	1	Rmt	6025.00
	20mm Nominal bore		100.00			100.00	Rmt	267.00	1	Rmt	26700.00
	25mm Nominal bore		90.00			90.00	Rmt	347.00	1	Rmt	31230.00
	32mm Nominal bore		90.00			90.00	Rmt	483.00	1	Rmt	43470.00
	40mm Nominal bore		100.00			100.00	Rmt	539.00	1	Rmt	53900.00
	50mm Nominal bore		100.00			100.00	Rmt	587.00	1	Rmt	58700.00

34	Providing and placing on terrace (at all floor levels) polyethylene water storage tank with double layer approved brand and manufacture with cover and suitable locking arrangement and making necessary holes for inlet and outlets and over flow pipes but without fittings and base support for tanks including cost and conveyance of all materials and labour charges, overheads & contractors profit complete for finished item of work.							
	15mm Nominal bore							
		10000.00	lts	7.04	1	lts		70441.00
35	Supplying and fixing white glazed flat back half stall urinals of size 590 mm x 375 mm x 390 mm with integral flushing rim fixed with screws complete Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995 as approved by Engineer-in-charge, including supply and fixing 12.7mm PVC connection with brass plumber union nuts CP coated, 12.70mm push cock 1st quality of approved make, 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality including cost and conveyance of all materials to site, labour charges etc., overheads & contractors profit complete for finished item of work for all floors.							
36	For electrical items & Air conditioning and flood lights	10.00	nos	4014.00	1	lts		40140.00
								11000000
	Provision for GST							59678283.00
	Provision for PS charges	18.00%						10742091.00
	Provision for Quality Control charges	7.00%						4177480.00
	Provision for NAC	1.00%						596783.00
	Provision for NIT publication charges	0.10%						59678.00
	Provision for Seigniorage charges	0.50%						298391.00
	Provision for Price variation	1.00%						596783.00
	LS for unforeseen items etc.,	5.00%						3800000.00
	GRAND TOTAL							50511.00
								80000000.00

31/3/23
Assistant Engineer
APEWIDC, PVP Manyam

By Executive Engineer,
APEWIDC, PVP Manyam

Deputy Executive Engineer,
APEWIDC, PVP Manyam

31/3/23
EXECUTIVE ENGINEER
A. P. E. W. I. D. C.
Párvathipuram Manyam Dist.

31-3-2023

(No loading and unloading charges allowed for machinery loading and unloading)

SI No.	Distance		(Lead) charges for trucks and tippers for Earth / Sand /Gravel / Murrum/ Lime/ Surki/ per cu.meter	(Lead) charges for trucks and tippers for Rubble/Size stones/ Cut Stones/ Coarse aggregate per cu.meter	(Lead) charges for trucks and tippers for Cement/ Steel/ RCC poles/ AC & GI sheets/ Packed	(Lead) charges for trucks and tippers per cu.meter for PCC slabs/ Shahabad slabs/ CC & Laterite blocks/ Wood/ cum	(Lead) charges for trucks and tippers per cu.meter for water/ 1000 litres	(Lead) charges for trucks and tippers for Bricks /1000 nos
1	2		3	4	5	6	7	8
1	Lead up to 1 km	1	36.00	34.70	21.70	51.00	21.90	57.80
2	Lead up to 2 km	2	50.40	48.50	30.30	71.40	30.70	80.90
3	Lead up to 3 km	3	67.20	64.70	40.40	95.20	40.90	107.80
4	Lead up to 4 km	4	81.60	78.60	49.10	115.60	49.70	131.00
5	Lead up to 5 km	5	96.00	92.40	57.80	135.90	58.40	154.10
6	for Every km beyond 5 km up to 30 km	30	14.40	8.70	8.70	20.40	8.80	23.10
7	for Every km beyond 30 km	10000	12.00	7.20	7.20	17.00	7.30	19.30

SI No.	Description of item		Earth / Sand /Gravel / Murrum/ / Surki/ Rs / cum	Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum	Cement in Rs/Tonne	Steel in Rs/Tonne	Bricks Rs/1000 Nos.
1	Loading		24.90	49.80	82.10	98.50	68.50
2	Unloading		12.45	24.90	82.10	98.50	68.50

COMMON SoR 2022-2023

Sl. No	Items	Reference to SoR page	S.No./ Item Code No.	Rate	Unit		
1	Common burnt clay bricks (23x11x7cm)	1	BMT-A.01	7500.00	1000	Nos.	
2	Flyash cement / lime solid blocks (50 Kgs/ sq.cm) 290mmx225mmx140mm	1	BMT-A-10	30.00	1	No.	
3	Flyash cement / lime solid blocks (50 Kgs/ sq.cm) 290mmx100mmx140mm	1	BMT-A-13	14.00	1	No.	
4	Flyash cement / lime solid blocks (50 Kgs/ sq.cm) 225mmx100mmx60mm	1	BMT-A-14	7.00	1	No.	
5	Polished Shahabad / Tandur stone slabs 15mm to 18mm thick	2	BMT-B-05	1900.00	10	Sqm	
6	Polished black Kadapa slabs minimum of 15mm thick (0.457m x 0.457m)	2	BMT-B-06	1750.00	10	Sqm	
7	High Polished Granite 16 to 18 mm thick up to 8'-00 (2.43 M) other than black and regular colours	2	BMT-B-10	2500.00	1	Sqm	
8	High Polished Granite 16 to 18 mm thick up to 8'-00 (2.43 M) black.	2	BMT-B-11	2100.00	1	Sqm	
9	Granite stone tiles 8mm thick (mirror polished)	2	BMT-B.16	1100.00	1	Sqm	
10	Non-skid full body ceramic floor tiles of size 300mm x 300mm, 7 - 8mm thick	17	BMT-C.01	370.00	1	Sqm	
11	Non - skid full body Ceramic tiles of size 400mm x 400mm, 7 to 8mm thick	17	BMT-C.02	375.00	1	Sqm	
12	Soluble salt porcelain vitrified tiles screen print	17	BMT-C.06	425.00	1	Sqm	
13	Nano polished / stain free soluble salt porcelain	17	BMT-C.07	450.00	1	Sqm	
14	Full body ceramic tiles of any size 5 to 7mm thick	7	BMT-C.95		1	Sqm	
15	Chequered cement concrete heavy duty tiles, 25mm thick (300mm x 300mm)	8	BMT-D.05	300.00	1	Sqm	
16	Medium teak wood scantilings up to 2m	9	BMT - E.01	81950.00	1	cum	
17	Medium teak wood scantilings 2 to 3m	9	BMT - E.02	92130.00	1	cum	
18	Medium teak wood scantilings above 3m	9	BMT - E.03	102256.00	1	cum	
19	Medium teak wood planks of any thickness	9	BMT - E.04	160920.00	1	cum	
18	Best teak wood scantilings up to 2m	9	BMT - E.05	134500.00	1	cum	
19	Best teak wood scantilings 2 to 3m	9	BMT - E.06	142480.00	1	cum	
20	Best teak wood scantilings above 3m	9	BMT - E.07	155000.00	1	cum	
21	Best teak wood planks of any thickness	9	BMT - E.08	175490.00	1	cum	
22	Sal wood scantilings any length	9	BMT - E.15	51000.00	1	cum	
23	6mm thick corrugated AC sheets	9	BMT-E.17	229.00	1	sqm	
24	Plain or Corrugated Galvanized iron sheets as per IS 277(0.1mm to 0.8 mm thickness)	9	BMT-E.20	70.00	1	Kg	
25	Cost of MS Tube	10	BMT-F.04	76.00	1	Kg	
26	Cost of stainless steel pipes 202 grade	10	BMT-F.05		1	Kg	
27	Cost of stainless steel pipes 304 grade	10	BMT-F.06	414.00	1	Kg	
28	Rabbit wire mesh (chicken mesh)	10	BMT-F.28	21.00	1	Sqm	
29	Rolling Shutter (80x1.25mm)	11	BMT-F.29	4025.00	1	Sqm	
30	Collapsible steel shutters	11	BMT-F.30	3508.00	1	Sqm	
31	Brass tower bolt 150mm long	11	BMT-G.02	255.00	1	No.	
32	Brass tower bolt 200mm long	11	BMT-G.03	350.00	1	No.	
33	Al. tower bolt 150mm long	11	BMT-G.08	86.50	1	No.	
34	Al. tower bolt 300mm long	11	BMT-G.11	152.00	1	No.	
35	MS powder coated tower bolt 100mm long	12	BMT-G.14	26.50	1	No.	
36	MS powder coated tower bolt 150mm long	12	BMT-G.15	38.50	1	No.	
37	MS powder coated tower bolt 200mm long	12	BMT-G.16	56.00	1	No.	
38	Brass Butt hinges 150mm long	12	BMT-G.22	356.00	1	No.	
39	Al. Butt hinges 150mm long	12	BMT-G.26	133.00	1	No.	
40	Powder coated butt hinges 100mm long	12	BMT-G.28	20.00	1	No.	

41	MS powder coated Butt hinges 150mm long	12	BMT-G.30	39.00	1	No.	
42	Al. handle 125mm long	12	BMT-G.33	102.00	1	No.	
43	Al. handle 150mm long	12	BMT-G.34	114.00	1	No.	
44	MS powder coated handle 125mm long	12	BMT-G.35	35.00	1	No.	
45	MS powder coated handle 150mm long	12	BMT-G.36	49.00	1	No.	
46	Brass aldop 300mm long	12	BMT-G.37	1195.00	1	No.	
47	Brass aldop 450mm long	12	BMT-G.39	3255.00	1	No.	
48	Al. aldop 250mm long	12	BMT-G.41	314.00	1	No.	
49	Al. aldop 300mm long	12	BMT-G.42	338.00	1	No.	
50	MS powder coated aldop 250mm long	12	BMT-G.44	129.00	1	No.	
51	MS powder coated aldop 300mm long	12	BMT-G.45	154.00	1	No.	
52	Brass door stopper	12	BMT-G.46	185.00	1	No.	
53	MS powder coated door stopper	12	BMT-G.53	45.00	1	No.	
54	Heavy duty Al door stopper	12	BMT-G.57	58.00	1	No.	
55	Brass fancy handle 150mm long	12	BMT-G.58	328.00	1	No.	
56	Brass fancy handle 450mm long	12	BMT-G.62	1600.00	1	No.	
57	Friction stay hinges for windows	13	BMT-G.71	100.00	1	No.	
58	Cost of hydraulic floor springs	13	BMT-G.77	3900.00	1	No.	
59	Integral water proofing liquid	18	BMT-H.115	378.00	1	Ltr	
60	5mm thick plain glass	20	BMT-I.02	634.00	1	sqm	
61	12mm thick plain float glass	20	BMT-I.06	1375.00	1	sqm	
62	Cost of 12mm thick tinted glass	20	BMT-I.12	1800.00	1	sqm	
63	Pin headed glass 4mm thick	20	BMT-I.13	370.00	1	sqm	
64	5mm thick ground glass	20	BMT-I.16	750.00	1	sqm	
65	Water based Cement Primer of Interior Grade-	20	BMT-J.01	160.00	1	Kg	
66	Water based Cement Primer of Exterior Grade	20	BMT-J.02	200.00	1	Kg	
67	Red oxide Primer Paint Grade-I	20	BMT-J.03	145.00	1	Ltr	
68	Zinc Chromate Yellow Oxide Iron Primer paint	20	BMT-J.04	200.00	1	Ltr	
69	Ready made primer for Wood	20	BMT-J.05	160.00	1	Ltr	
70	Putty for wood work	21	BMT-J.07	130.00	1	Kg	
71	Spirit	21	BMT-J.10	96.00	1	Ltr	
72	Linseed Oil	21	BMT-J.11	60.00	1	Ltr	
73	Thinner for Melamine polish	21	BMT-J.12	140.00	1	Ltr	
74	French Polish	21	BMT-J.14	200.00	1	Ltr.	
75	Melamine Polish	21	BMT-J.16	325.00	1	Ltr.	
76	Interior grade Poly -Urethane polish	21	BMT-J.17	750.00	1	Ltr.	
77	Exterior grade Poly -Urethane polish	21	BMT-J.18	843.00	1	Ltr.	
78	Acrylic based Oil bound Washable Distemper having VOC content less than 50 grams/litre	21	BMT-J.21	81.00	1	Kg	
79	Synthetic polymer plastic emulsion paint	21	BMT-J.22	450.00	1	Ltr	
80	Acrylic exterior emulsion paint having VOC content less than 50 grams/litre	21	BMT-J.25	1009.00	1	Ltr	
81	Water proof cement paint	21	BMT-J.26	490.00	25	Kgs	
82	Synthetic enamel paint Grade - I having VOC content less than 50 grams/litre	21	BMT-J.30	180.00	1	Ltr	
83	Wall putty of White Cement or Polymer or Cement based	21	BMT-J.31	600.00	20	Kgs	
84	Altek / PMCC or Equivalent top coat high UV resistant exterior paint	21		0.00	25	Kgs	
85	PMCC / Deco orient base or Equivalent exterior Texture	21	BMT-J.32	818.00	25	Kgs	
86	PMCC or Equivalent Gold line Exterior Texture	21	BMT-J.33	1060.00	25	Kgs	
87	12mm thick prelaminated particle board (both s	23	BMT-K.81	806.00	1	sqm	
88	MDF Board Interior - BSL 18mm thick	23	BMT-K.59	801.00	1	sqm	
89	12.5mm Gypboard Tiles 595mm x 595mm	24	BMT-M.01	275.00	1	sqm	
90	Gypsom board plain sheets 12.5mm thick	24	BMT-M.03	221.00	1	sqm	
91	GI Ceiling Angle - 25mm x 10mm x 0.5mm	24	BMT-M.04	78.00	1	RM	

92	GI Ceiling section - 51.5mm x 26mm x 10.5mm x 0.55mm thick	24	BMT-M.05	106.00	1	RM	
93	Intermediate channel - 45mm x 15mm x 15mm x 0.9mm	24	BMT-M.06	78.00	1	RM	
94	Perimeter channel - 20mm x 27mm x 30mm (web) of 0.55mm thick	24	BMT-M.07	69.00	1	RM	
95	GI Angle - Precoated - 25mm x 25mm x 0.7mm	24	BMT-M.08	62.00	1	RM	
96	GI pre coated - T section - 3600mm long - 24mm x 38mm x 0.7mm thick	24	BMT-M.10	60.00	1	RM	
97	Hotdipped GI Angle - Precoated - Grid - 19mmx19mmX0.7mm	24	BMT-M.11	37.00	1	RM	
98	Polyster painted GI - T section - 1200mm - 24x32mm and 24x25mm (sub-cross Tee)	24	BMT-M.12 & 13	52.00	1	RM	
99	Polyster painted GI-T Section - 300mm - 24mm x 27mm	24	BMT-M.14	49.00	1	RM	
100	Aluminium angle - 24mmx 24mm	24	BMT-M.15	33.00	1	RM	
101	Anodised Aluminium T section - 24mm x 24.5mm x 2.4mm	24	BMT-M.16	32.00	1	RM	
102	Connecting Clips	24	BMT-M.17	10.00	1	No.	
103	Rawl Plug	24	BMT-M.18	4.00	1	No.	
104	6mm Nylon Rawl Plug	24	BMT-M.19	4.00	1	No.	
105	Soffit Cleats	24	BMT-M.20	5.00	1	No.	
106	Drywall screws - 25mm	24	BMT-M.21	4.00	1	No.	
107	Jointing Compound	24	BMT-M.22	32.00	1	Kg.	
108	Jointing Paper tape	24	BMT-M.23	6.00	1	RM	
109	Drywall top coat	24	BMT-M.24	150.00	1	Ltr	
110	Universal Holding Clips	24	BMT-M.25	4.00	1	No.	
111	GI Rod - 4mm dia - Connecting Rod	25	BMT-M.26	15.00	1	RM	
112	GI rod-prestraightened 2.0mm dia. - Connecting rod	25	BMT-M.27	10.00	1	RM	
113	14mm Mineral Fiber sheet 600 x 600	25	BMT-M.28	599.00	1	sqm	
114	15mm Mineral Fiber sheet 600 x 600	25	BMT-M.29	722.00	1	sqm	
115	12mm Mineral Fiber sheet 600 x 600	25	BMT-M.31	467.00	1	sqm	
116	12mm Thermocole sheet	25	BMT-M.37	52.00	1	sqm	
117	Bison LAM aluminium glazed partions	28	BMT-M.75	3400.00	1	sqm	
118	Mineral Fibre Ceiling Tile of 0.595m x 0.595m of 13 mm thick Fissura Fine Model	29	BMT-M.80	353.00	1	sqm	
119	Mineral Fibre Ceiling Tile of 0.595m x 0.595m of 15 mm thick Fissura Fine Model	29	BMT-M.84	518.00	1	sqm	
120	30 mm thick flush shutter	34	BMT-N-16	1400.00	1	sqm	
121	35 mm thick flush shutter	34	BMT-N-17	1529.00	1	sqm	
122	Supply and fixing of UPVC sliding doors 3 track	40	BMT-N.41	7066.00	1	sqm	
123	Supply and fixing of UPVC openable doors	40	BMT-N.43	8009.00	1	sqm	
124	Scientific Door with metal door frame (single leaf door)	41	BMT-N.45	10519.00	1	sqm	
125	Scientific Door with metal door frame (double leaf door)	41	BMT-N.46	10989.00	1	sqm	
126	Pre painted steel windows						
	Windows with guard bars						
	i) Double shutters with central mullion	46	BMT - P.03	6559.00	1	sqm	
	ii) Centre fixed both side openable shutters	46	BMT - P.08	5843.00	1	sqm	
127	Pre painted steel Ventilators						
	a) Top hung	46	BMT-P.10	6798.00	1	sqm	
	b) Fixed louvered	47	BMT-P.13	4650.00	1	sqm	
128	Pre painted steel Windows with fly mesh						
	i) Double shutters with central mullion	47	BMT - P.22	7288.00	1	sqm	
	ii) Centre fixed both side openable shutters(5'x4')	48	BMT - P.24	6625.00	1	sqm	
	iii) Centre fixed both side openable shutters(6'x4')	48	BMT - P.25	5897.00	1	sqm	
129	Supply and fixing of UPVC sliding windows 2 track sliding	49	BMT - P.27	6391.00	1	sqm	
130	Supply and fixing of UPVC sliding windows 3 track sliding	50	BMT - P.29	6674.00	1	sqm	
	Supply and fixing of UPVC casement windows	50	BMT - P.31	7051.00	1	sqm	
131	Pre painted steel Window with two Sliding Shutters	53	BMT-P.39	6324.00	1	sqm	

133	Pre painted steel three shutter Sliding Windows	53	BMT-P.40	6035.00	1 sqm	
134	Supplying and fixing fixed louvered ventilator made out of of multi chambered UPVC sections	56	BMT-P.68	6005.00	1 sqm	
135	Supplying and fixing top hung ventilator made out of of multi chambered UPVC sections	56	BMT-P.69	8450.00	1 sqm	
136	Pre painted steel Structural Glazing	56	BMT - Q.01	7150.00	1 sqm	
137	Top Hung shutters in Structural Glazing	57	BMT - Q.02	5645.00	1 sqm	
138	Curtain glazing made of pre painted steel					
	a) Fixed Glazing 2'-0" x 2'-0" (609.6x609.6mm) ar	57	BMT - Q.03&04	5849.00	1 sqm	
	b) Fixed Glazing 3'-0" x 3'-0" (914.4x914.4mm), 3	57	BMT - Q.05&06	4596.00	1 sqm	
139	Dismantling					
	a) Stone masonry in cement mortar	58	BMT-S.01	498.00	1 cum	
	b) Flat stone in roof or floors including lifting :	58	BMT-S.03	182.00	10 sqm	
	c) Pan tiled or Mangalore tiled roof with out roof timbers :	58	BMT-S.04	152.00	10 sqm	
	d) Wrought and framed timber in roofs or floors	58	BMT-S.06	263.00	1 cum	
	e) Old lime mortar plaster	58	BMT-S.07	60.00	10 sqm	
	f) Old cement mortar plaster	58	BMT-S.08	75.00	10 sqm	
	g) Kadapa slabs or shahabad stone slabs on sand bed	58	BMT-S.11	84.00	10 sqm	
	h) Clean removal of lime plaster from walls and raking out joints 20mm deep or from terraced roof and raking out joints 100 mm deep	58	BMT-S.14	55.00	10 sqm	
	i) Clean removal of cement plaster from walls and raking out joint 200 mm deep	58	BMT-S.15	68.00	10 sqm	
140	Expansion joint filler board for buildings, columns, beams and slabs 25 mm thick	58	BMT-U.05	403.00	1 sqm	
141	Rounding the edges of Kadapa / Shahabad stone slab of any thickness including polishing the same	59	BMM-V.09	116.00	1 RM	
142	Half rounding the edges of Marble / Granite slabs of all thicknesses and polishing the same	59	BMM-V.10	350.00	1 RM	
143	Full rounding the edges of Marble / Granite slabs of all thicknesses and polishing the same	59	BMM-V.11	453.00	1 RM	
144	Machine cutting charges for Marble / Granite slabs up to 50mm thickness by mechanical device	59	BMM-V.12	19.00	1 RM	
145	Flat nosing Shahabad/Kadapa slabs of any thickness	59	BMM-V.13	55.00	1 RM	
146	Labour charges for fabricating steel works like Window Grills, Compound Wall Grills, Iron Doors, Windows including cost of welding rods, power charges, excluding cost of fixing in position	59	BMM-V.14	30.00	1 Kg	
147	Labour charges for fixing Iron Doors, Iron Windows and Window Grills in position	59	BMM-V.15	6.00	1 Kg	
148	Labour charges for fabrication of stainless steel	59	BMM-V.18	144.00	1 Kg	
149	Labour charges for glass designing work(Etch	59	BMM-V.20	1051.00	1 sqm	
150	Labour charges for fixing flush door shutters to the existing door frame	59	BMM-V.23	421.00	1 sqm	
151	Labour charges for fixing glass	60	BMM-V.24	315.00	1 sqm	
152	Powder coated Al. sections					
153	Rubber beading	61	BMS-W.01	337.00	1 Kg	
154	Chloropyriphos Lindane Emulsifiable concentrate of 20%	61	BMS-W.06	2.00	1 RM	
155	Aluminium composite cladding 4mm thick with	62	BMS-W.09	239.00	1 Ltr	
156	Aluminium composite cladding 4mm thick with	62	BMS-W.13	2626.00	1 sqm	
157	Cement Jally 50mm thick	62	BMS-W.14	2946.00	1 sqm	
		62	BMS-W.17	388.00	1 Sqm	

59	7.5mm thick Aluminium Grill (as approved by the department) 3.58 Kg/Sqm	62	BMS-W.18	282.00	1	sqm	
60	Pre-painted Galvalume Trapezoidal Profile Roofing sheets with 0.50mm thickness	62	BMS-W.19	1035.00	1	sqm	
61	GI scam bolts & nuts	64	BMS-W.55	407.00	1	sqm	
62	8mm dia GI 'J' bolts & nuts	64	BMS-W.62	6.00	1	No.	
63	GI washers	64	BMS-W.64	11.00	1	No.	
64	Limpet washers (for scam & 'J' bolts)	64	BMS-W.65	2.00	1	No.	
65	Bitumen washers	64	BMS-W.66	2.00	1	No.	
67	White cement	64	BMS-W.67	2.00	1	No.	
		64	BMS-W.68	31.00	1	Kg	
48	Power Saw cutter - Hand Operated - Hire Charges	64	BMC-X.02	132.00	1	hour	
49	Power Drill - Hand Operated - Hire Charges	64	BMC-X.03	121.00	1	hour	
60	Hire charges for Access Scaffolding	Reference to SSR page	Material hire charges	Labour charges	Unit		
A)	Brick Masonry / Stone Maasonry						
a)	1st floor	66	10.78	84.62	1	Sqm	
b)	2nd floor		10.78	121.18	1	Sqm	
c)	3rd floor		10.78	157.72	1	Sqm	
d)	4th floor		10.78	194.27	1	Sqm	
e)	5th floor		10.78	230.81	1	Sqm	
f)	6th floor		10.78	267.35	1	Sqm	
B)	Plastering to walls						
a)	1st floor	67	1.08	8.47	1	Sqm	
b)	2nd floor		1.08	12.12	1	Sqm	
c)	3rd floor		1.08	15.77	1	Sqm	
d)	4th floor		1.08	19.43	1	Sqm	
e)	5th floor		1.08	23.08	1	Sqm	
f)	6th floor		1.08	26.73	1	Sqm	
1	Hire charges for Stage Scaffolding Ceiling Plastering						
a)	1st floor	67	2.57	16.94	1	Sqm	
b)	2nd floor		2.57	24.04	1	Sqm	
c)	3rd floor		2.57	31.13	1	Sqm	
d)	4th floor		2.57	38.23	1	Sqm	
e)	5th floor		2.57	45.33	1	Sqm	
f)	6th floor		2.57	52.42	1	Sqm	

2 HIRE CHARGES FOR CENTERING&SCAFFOLDING-centering using Steel scaffolding pipes , jack props , wallers , Foot plates , brackets , steel centering plates etc.,

	Reference to SoR	Material hire charges	Labour charges						Unit
			1st Floor	2nd Floor	3rd Floor	4th Floor	5th Floor	6th Floor	
a) Footings	66	301.00	672.00						1 Cum
b) Bed blocks, Steps		67.00	363.00	399.30	435.60	471.90	508.20	544.50	
c) Pedestals		343.00	1069.00						1 Cum
d) Plinth beams		1453.00	1620.00						1 Cum

3 HIRE CHARGES FOR CENTERING & SCAFFOLDING -Unsupported height of 3.66M - Casurina Ballies , Bamboos , Wooden Reapers , Runners , Wood Posts , Wall Plates etc.,

	Reference to SoR	Material hire charges	Labour charges						Unit
			1st Floor	2nd Floor	3rd Floor	4th Floor	5th Floor	6th Floor	
a) Lintels	69	1233.00	1720.00	1892.00	2064.00	2236.00	2408.00	2580.00	1 Cum
b) Sunshades of any width		243.00	264.00	290.40	316.80	343.20	369.60	396.00	1 Sqm
c) Columns		371.00	2415.00	2656.50	2898.00	3139.50	3381.00	3622.50	1 Cum
d) Beams		2179.00	2027.00	2229.70	2432.40	2635.10	2837.80	3040.50	1 Cum
e) RCC roof slabs upto 150 mm depth		247.00	241.00	265.10	289.20	313.30	337.40	361.50	1 Sqm

	f) RCC slabs upto 150-300 mm depth		254.00	248.00	272.80	297.60	322.40	347.20	372.00	1 Sq
	g) RCC walls , water tank walls	267	876.00							1 Sq
154	PVC Clamps	83	BMW-G.106	17.00	1	Each				
	LABOUR CHARGES									
	SKILLED									
155	Bar bender	197	I - 1	750.00	1	Each				
156	Blacksmith	197	I - 2	590.00	1	Each				
157	Blaster	197	I - 3	690.00	1	Each				
158	Carpenter	197	I - 4	705.00	1	Each				
159	Work Inspector(Non technical)	197	I -10	685.00	1	Each				
160	Mason / Brick layer	197	I -11	630.00	1	Each				
161	Operator concrete mixer	197	I -16	615.00	1	Each				
162	Operator Jackhammer / Pneumatic tamper(skilled)	197	I - 23	615.00	1	Each				
163	Painter	198	I - 35	705.00	1	Each				
164	Plumber / Pipe fitter	198	I - 36	705.00	1	Each				
	SEMI SKILLED									
164	Sprayer(semi skilled)	198	II - 1	565.00	1	Each				
165	Carpenter	198	II - 4	565.00	1	Each				
166	Plumber / Pipe fitter	198	II - 9	565.00	1	Each				
166	Mason / Brick layer	199	II - 35	565.00	1	Each				
167	Painter	199	II - 37	565.00	1	Each				
	UN SKILLED									
168	Man Mazdoor / Woman Mazdoor	199 / 200	III - 3, 4	525.00	1	Each				
	Cost of Materials :									
169	Binding wire	201	3	70.00	1	Kg				
170	Detonator electric	202	21	12.00	1	No.				
171	Sand (un-screened for concrete items)	202	27(a)	605.00	1	Cum				
172	Sand un-screened for filling	202	27(b)	460.00	1	Cum				
173	Sand(screened for mortar, plastering items)	202	28	700.00	1	Cum				
174	Impervious Water proof compound	204	80	80.00	1	Kg				
175	Gravel / Quarry spall	214	M - 008	149.00	1	Cum				
176	Aggregates 6mm nominal size (HBG)	216	M - 050	865.00	1	Cum				
177	Aggregates 10mm nominal size (HBG)	216	M - 051	1070.00	1	Cum				
178	Aggregates 13.20 / 12.50mm nominal size (HBG)	217	M - 052	1260.00	1	Cum				
179	Aggregates 20mm nominal size (HBG)	217	M - 053	1565.00	1	Cum				
180	Aggregates 40mm nominal size (HBG)	217	M - 055	965.00	1	Cum				
181	Gelatin 80%	219	M - 104	68.00	1	Kg				
182	Water charges(Urban)	223	M - 189(a)	125.00	1	KL				
183	Water charges(Rural)	223	M - 189(b)	95.00	1	KL				
184	PVC pipes 110mm dia.(4.00Kgs/sq.cm)	312	PH Items Table18	236.00	1	RM				
185	Machinery Charges	Reference to SoR	Hire & Fuel charges			Crew charges				
	a) Air compressor 7 cmm (diesel)	229	3	1452.80	1	hour	294.50			
	b) Batching plant 0.50 cum (6 cum/hour)	229	9	233.80	1	hour	473.50			
	c) Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum)capacity	230	16	188.10	1	hour	306.80			
	d) Jack hammer	230	39	18.60	1	hour	460.20			
	e) Needle vibrator 40mm(petrol)	230	40	38.20	1	hour	220.90			
	f) Shovel 0.85 cum 110hp	231	52	3157.40	1	hour	326.30			
	g) Lift charges of materials(Winch 35HP- Electric)	231	66	340.50	1	hour	368.20			
186	Seigniorage charges									
	i) Coarse aggregate , stone	374								
	ii) Earth , Gravel	375		75.00	1	cum				
	ii) Sand for mortar & filling	375		30.00	1	cum				
	iv) Bricks	375		50.00	1	cum				
	v) Polished Shahabad/Tandur stone slabs	375		60.00	1000	Nos.				
	vi) Black Kadapa slabs	375		7.00	1	sqm				
	vii) Granite	375		4.00	1	sqm				
				32.73	1	sqm				

87	Rough Stone (OTG)	244	1	180.00	1	cum	
88	Rough Stone (HBG)	244	12	252.00	1	cum	
89	Drilling 20mm dia. Holes with pneumatic compressor	251	142	154.00	1	RM	
	Non SSR items						
1	Glass strips in Granolithic concrete flooring			8.00	1	sqm	
2	Stainless steel base Plate 75mm dia. (in SS railing)			80.00	1	No.	
3	Anchor bars in SS railing			30.00	1	No.	
4	Bonding anchor bars in SS railing			15.00	1	No.	
5	Teak wood beading 12mm x 12mm			24.00	1	RM	
6	Teak wood beading 18mm x 12mm			30.00	1	RM	
7	250mm long brass butt hinges			500.00	1	No.	
8	Z holdfasts 300 x 40 x 5mm			25.00	1	No.	
9	Rubber bush			25.00	1	No.	
0	1.20mm thick PVC sheet			160.00	1	sqm	
1	Fevicol & labour charges for fixing PVC sheet for flush shutter			75.00	1	sqm	
2	Al. round handles 150mm dia.			100.00	1	No.	
3	Powder coated handles 100mm long			30.00	1	No.	
4	Labour charges including cost of nails, making holes to wall and in alumin			25.00	1	No.	
5	Expansion joint treatment with poly sulphide compound			435.00	1	RM	
6	Labour charges for cup board shutters and fixing fixtures			800.00	1	sqm	
7	Cup board locks			100.00	1	No.	
8	Al. lock with handle			65.00	1	No.	

[Signature]
ASSISTANT ENGINEER
 A. P. E. W. I. D. C.
 PARVATHIPURAM

[Signature]
Dy. Executive Engineer
 A. P. E. W. I. D. C.
 PALAKONDA

[Signature] 31-3-2023
EXECUTIVE ENGINEER
 A. P. E. W. I. D. C.
 Parvathipuram Manyam Dist.

WS & SA SoR 2015-16
DATA (SoR 2022-23)
WATER SUPPLY AND SANITARY ITEMS

Sl. No.	ITEM	SoR Page No.	Item code	Rate	Labour	Unit
1	Supply, laying, jointing 101.60 mm dia SWG pipe					
a)	up to 1524mm (5') depth	72	BMW-A.01	466.00		1 RM
b)	up to 914.40mm (3') depth	72	BMW-A.02	408.00		1 RM
2	Supply, laying, jointing 152.40mm dia SWG pipe					
a)	up to 1524mm (5') depth	72	BMW-A.03	680.00		1 RM
b)	up to 914.40mm (3') depth	72	BMW-A.04	614.00		1 RM
3	Labour charges for laying , jointing , testing SWG pipes up to 914.40mm (3') depth	72	BMW-A.05		232.00	1 RM
4	Labour charges for laying , jointing , testing SWG pipes up to 1524mm (5') depth	72	BMW-A.06		288.00	1 RM
5	Supply of 203.20mm (8") dia SWG pipe	72	BMW-A.17	485.00		1 RM
6	Supply of 254mm (10") dia SWG pipe	72	BMW-A.18	888.00		1 RM
7	Supply of 300mm (12") dia SWG pipe	72	BMW-A.19	1280.00		1 RM
8	150mm x 100mm SWG gully trap	73	BMW-A.72	568.00		1 Each
9	Inspection chamber 3' dia and upto 3' depth	74	BMW-B.03	6518.00		1 Each
10	Inspection chamber 3' dia - 3' above upto 5' depth	74	BMW-B.04	10181.00		1 Each
11	Inspection chamber 457.2mm x 457.2mm in brick masonry up to 914.4mm (3) depth	74	BMW-B.06	3825.00		1 Each
12	76.20mm (3") CI Nahany trap 1st quality	76	BMW-C.41,42	329.00	59.00	1 Each
13	Orissa pan 580mmx440mm - ISI marked	76	BMW-D.04,06	1584.00	377.00	1 Each
14	Brick masonry seat	76	BMW-D.09	328.00		1 Each
15	C.C Squatting plate	76	BMW-D.10	98.00		1 Each
16	S&F EWC with 'S' trap	76	BMW-D.14,15	1964.00	264.00	1 Each
17	S&F Plastic seat and lid for EWC	76	BMW-D.16,17	891.00	76.00	1 Each
18	Flat back Wash hand basin 1st quality 550mmx400mm-single CP Pillar cock	77	BMW-D.24,28	1782.00	377.00	1 Each
19	S&F flat back bowl urinal 440 x 265 x 315	77, 78	BMW-D.33,36	930.00	150.00	1 Each
20	S&F flat back bowl urinal 590 x 375 x 390	78	BMW-D.35,36	3100.00	150.00	1 Each
21	S & F vitreous china porcelain sink (600 x 400 x 250)	78	BMW-D.37,39	4959.00	377.00	1 Each
22	S & F vitreous china porcelain sink (750 x 450 x 250)	78	BMW-D.38,39	5579.00	377.00	1 Each
23	S&F RCC terrazo sink	78	BMW-D.40,41	791.00	225.00	1 Each
24	Angle stop cock 12.70mm heavy duty	78	BMW-E.05,06	474.00	43.00	1 Each
25	12.70mm NP bib tap heavy duty	78	BMW-E.07,08	407.00	29.00	1 Each

WS & SA SoR 2015-16									
26	12.70mm NP bib tap heavy duty	78	BMW-E.09,10	258.00	29.00	1	Each		
27	S&F 31.75mm brass plumber union	78	BMW-E.11,12	69.00	14.00	1	Each		
28	12.7mm dia. NP push cock	78	BMW-E.29	271.00		1	Each		
29	GM peet valves								
	a) 15mm NB	79	BMW-F.21,22	636.00	44.00	1	Each		
	b) 20mm NB	79	BMW-F.19,20	858.00	44.00	1	Each		
	c) 25mm NB	79	BMW-F.17,18	1233.00	44.00	1	Each		
	d) 32mm NB	79	BMW-F.23,24	1875.00	44.00	1	Each		
	e) 40mm NB	79	BMW-F.25,26	2533.00	67.00	1	Each		
	f) 50mm NB	79	BMW-F.27,28	3711.00	90.00	1	Each		
	g) 65mm NB	79	BMW-F.29,30	5730.00	112.00	1	Each		
	h) 80mm NB	79	BMW-F.31,32	8494.00	133.00	1	Each		
30	S & F Nominal Bore GI pipe Medium Grade properties & weight								
	a) 15mm Nominal bore	80	BMW-F.79,80	204.00	41.00	1	RM		
	b) 20mm Nominal bore	80	BMW-F.81,82	227.00	41.00	1	RM		
	c) 25mm Nominal bore	80	BMW-F.83,84	297.00	41.00	1	RM		
	d) 32mm Nominal bore	80	BMW-F.85,86	417.00	41.00	1	RM		
	e) 40mm Nominal bore	80	BMW-F.87,88	466.00	44.00	1	RM		
	f) 50mm Nominal bore	80	BMW-F.89,90	503.00	67.00	1	RM		
31	65mm Tata or Zenith make or equivalent.	80	BMW-F.91	892.00		1	RM		
32	S & F 12.70 x 152.00 mm NP shower rose heavy	81	BMW-F.100,101	186.00	20.00	1	Each		
33	Polyethyleylene water storage tank with Double layer	81	BMW-G.01,02	6.00	1.00	1	Lt		
34	31.75mm dia. PVC flexible waste pipe, 914.4mm length	81	BMW-G.05	26.00		1	Each		
35	Supply & fixing of PVC low level system with internal components & short bend								
	a) 10ltrs capacity single flush	81	BMW-G.08	1455.00		1	Each		
	b) 8 ltr capacity single flush	81	BMW-G.10	823.00		1	Each		
36	Double socket PVC/SWR pipes 4 kgs/sam								
	a) 75mm dia.	81	BMW-G.11	255.00					
	b) 90mm dia.	81	BMW-G.12	405.00		3	RM		
	c) 110mm dia.	81	BMW-G.13	484.00		3	RM		
	d) 160mm dia.	82	BMW-G.32	1153.00		3	RM		
37	Pipe clip								
	a) 75mm dia.	83	BMW-G.104	15.00		1	Each		
	b) 90mm dia.	83	BMW-G.105	17.00		1	Each		
	c) 110mm dia.	83	BMW-G.106	18.00		1	Each		
	d) 160mm dia.	83	BMW-G.107	35.00		1	Each		
38	3" (76.2mm) multi floor trap with jali	83	BMW-G.118	102.00		1	Each		
39	4" (101.6mm) multi floor trap with jali	83	BMW-G.119	144.00		1	Each		
40	Labour charges for laying, fixing and commissioning the PVC pipes	83	BMW-G.152	70.00		1	Each		
41	Chiselling the brick masonry wall and repairs as directed by the department	85	BMW-I.07			1	Each		
42	Cost of NP chain and rubber plug	85	BMW-I.18	42.00	30.00	1	RM		
					8.00	1	Each		

WS & SA SoR 2015-16							
43	25.4mm dia & 609.6mm long aluminium anodized towel rod	85	BMW-I.20,21	164.00	44.00	1	Each
44	S & F NP soap dish heavy type with NP screws	86	BMW-I.28,29	243.00	12.00	1	Each
45	Teak wood blocks 76.2mm x 101.6mm	86	BMW-I.42,43	26.00	9.00	1	Each
46	Cutting holes in brick masonry	86	BMW-I.46		47.00	1	RM
47	Cutting holes in RCC slab floor & repairs labour charges only	86	BMW-I.47		72.00	1	No.
48	12.70mm PVC connection with brass union nut CP coated	86	BMW-I.48,49	102.00	20.00	1	Each
49	Constructing Brick masonry support for G.I pipe with CM 304.8x228.6x 228.6 mm size including plastering finishing etc complete	86	BMW-I.63	76.00	22.00	1	Each
50	CI frame and cover for gully traps	86	BMW-I.65	124.00	35.00	1	Each
51	S&F TV shap mirror with plastic frame size 609.60mm x 457.20mm	87	BMW-I.105,106	513.00	116.00	1	Each
52	Supplying & fixing stainless steel sink size 36" x 18" (914.4x457.2mm) 1 mm thick with accessories	87	BMW-I.119,120	7552.00	506.00	1	Each
53	Supplying & fixing stainless steel sink size 20" x 18" x 8" (508x457.2x203.20mm) 1 mm thick with accessories	87	BMW-I.123,124	5396.00	449.00	1	Each
54	Supplying & fixing white glazed porcelain channel 4" x 24" (101.6 x 609.6mm)	87	BMW-I.125	545.00		1	Each
55	Supplying & fixing steel surgical long elbow action handle 12.7mm dia bib cock	87	BMW-I.126	990.00		1	Each
56	Chrome plated bib cock cum health faucet jaquar make queen series	88	BMW-I.141	4360.00		1	Each
57	CPVC Pipes						
	15.90mm OD pipe - SDR 13.5	91	BMW-I.220	141.00		1	RM
	22.20mm OD pipe - SDR 13.5		BMW-I.221	160.00		1	RM
	28.60mm OD pipe - SDR 13.5		BMW-I.222	212.00		1	RM
	34.90mm OD pipe - SDR 13.5		BMW-I.223	289.00		1	RM
	41.30mm OD pipe - SDR 13.5		BMW-I.224	360.00		1	RM
	54.00mm OD pipe - SDR 13.5		BMW-I.225	525.00		1	RM
	15.90mm OD pipe - SDR 11	158	BMW-I.226	156.00		1	RM
	22.20mm OD pipe - SDR 11	159	BMW-I.227	189.00		1	RM
	28.60mm OD pipe - SDR 11		BMW-I.228	227.00		1	RM
	34.90mm OD pipe - SDR 11		BMW-I.229	310.00		1	RM
	41.30mm OD pipe - SDR 11		BMW-I.230	383.00		1	RM
	54.00mm OD pipe - SDR 11		BMW-I.231	560.00		1	RM
57	16mm to 20mm thick marble slab	2 & 237	BMT-B.14	1001.97		1	sqm
	NON SSR ITEMS						
1	RCC cover for gully trap			100.00		1	Each

A Name of the Work: Providing Additional Infra structure Facilities to Government Degree College at Saluru Municipality of Paravathipuram Manyam District

Sources and Leads		
	Material	Quarry Lead in KM
1	Cement	
2	Steel	
3	Sand for concrete	B Sirlam 8.00
4	Sand for mortar, plastering	B Sirlam 8.00
5	Sand for filling	Local 5.00
6	Second Class Bricks	Mettavalasa 30.00
7	Fly ash bricks 290 x 225 x 140	Bobbili 25.00
8	Fly ash bricks 290 x 100 x 140	Bobbili 25.00
9	Fly ash bricks 225 x 100 x 60	Bobbili 25.00
10	40mm HBG Metal Machine crushed	Mettavalasa 30.00
11	20mm HBG Metal Machine crushed	Mettavalasa 30.00
12	12mm HBG Metal Machine crushed	Mettavalasa 30.00
13	10mm HBG Metal Machine crushed	Mettavalasa 30.00
14	6mm HBG Metal Machine crushed	Mettavalasa 30.00
15	Rough Stone OTG	Local 5.00
16	Rough Stone HBG	Local 5.00
17	Gravel	Local 5.00
18	Shahabad stone slabs	Bethemcherla 850.00
19	Kadapa stone slabs	Kadapa 850.00

Cement & Steel Rates		Mar-23
1	Cement	4220.00
2	Fe - 500	68000.00
3	Fe 415	68000.00
4	Mild Steel	65000.00
5	Structural Steel	63000.00
6	MS Flats	62000.00

D Allowances		
1	Add for MA @ 20%	0.20
2	Overheads&Contractors Profit @13.615%	0.13615

Water charges

Type of Habitation

2 1 for Rural

2 for Urban

ASSISTANT ENGINEER
A. P. E. W. I. D. C.
PARVATHIPURAM

Dy. Executive Engineer
A.P.E.W.I.D.C.
PALAKONDA

EXECUTIVE ENGINEER
A. P. E. W. I. D. C.
Parvathipuram Manyam Dist.

31-3-2023

Name of the Work: Providing Additional Infra structure Facilities to Government Degree College at Saluru Municipality of Paravathipuram Manyam District

LEAD CHART (COMMON SOR 2022-2023)

Sl. No.	Description	Source of Materials	Reference to SSR page number	S.No./ Item Code No.	Unit	Lead in KM	Initial Cost excluding seigniorage charges	Convey- ance Charges	Loading charges	Unloading charges	MA 20%	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1	Ordinary Portland Cement 43 / 53 grade (including loading charges)				1 MT		4220.00					4220.00
2	Reinforcement steel Fe- 500				1 MT		68000.00					68000.00
3	Reinforcement steel Fe- 415				1 MT		68000.00					68000.00
4	Mild steel bars				1 MT		65000.00					65000.00
5	Structural steel				1 MT		63000.00					63000.00
6	MS flats				1 MT		62000.00					62000.00
7	Sand (un-screened for concrete items)	B Sirlam	202	27(a)	1 Cum	8.00	605.00	90.84				695.84
8	Sand (screened for mortar, plastering items)	B Sirlam	202	28		8.00	700.00	90.84				790.84
9	Sand for filling	Local	202	27(b)	1 Cum	5.00	460.00	52.81				512.81
10	Common burnt clay bricks (23x11x7cm)	Mettavalasa	1	BMT-A-01	1000 Nos	30.00	7500.00	593.06	60.29		12.06	8225.70
11	Flyash cement / lime solid blocks (50 Kgs/ sq.cm) 290mmx225mmx140mm	Bobbili	1	BMT-A-10	1000 Nos	25.00	30000.00	2534.68	310.99		62.20	33218.86
12	Flyash cement / lime solid blocks (50 Kgs/ sq.cm) 290mmx100mmx140mm	Bobbili	1	BMT-A-13	1000 Nos	25.00	14000.00	1126.53	138.22		27.64	15430.61
13	Flyash cement / lime solid blocks (50 Kgs/ sq.cm) 225mmx100mmx60mm	Bobbili	1	BMT-A-14	1000 Nos	25.00	7000.00	374.59	45.96		9.19	7475.70
13	Aggregates 40mm nominal size (HBG)	Mettavalasa	217	M - 055	1 Cum	30.00	965.00	242.23				1207.23
14	Aggregates 20mm nominal size (HBG)	Mettavalasa	217	M - 053	1 Cum	30.00	1565.00	242.23	vp			1807.23
15	Aggregates 13.20 / 12.50mm nominal size (HBG)	Mettavalasa	217	M - 052	1 Cum	30.00	1260.00	242.23				1502.23
16	Aggregates 10mm nominal size (HBG)	Mettavalasa	216	M - 051	1 Cum	30.00	1070.00	242.23				1312.23
17	Aggregates 6mm nominal size (HBG)	Mettavalasa	216	M - 050	1 Cum	30.00	865.00	242.23				1107.23
18	Rough Stone (OTG)	Local	(Part II) Roads & Bridges	1	1 Cum	5.00	180.00	50.79				230.79

19	Rough Stone (HBG)	Local	(Part II) Roads & Bridges	12	1	Cum	5.00	252.00	50.79				302.79
20	Gravel / Quarry spall	Local	214	M - 008	1	Cum	5.00	149.00	52.81				201.81
21	Polished Shahabad / Tandur stone slabs 15mm to 18mm thick	-	2	BMT-B-05	10	Sqm	850.00	1900.00	2110.87	7.23	3.62	0.72	4022.44
22	Polished black Kadapa slabs minimum of 15mm thick (0.457m x 0.457m)	-	2	BMT-B-06	10	Sqm	850.00	1750.00	1918.97	6.60	3.29	0.66	3679.52
23	High Polished Granite 16 to 18 mm thick up to 8'-00 (2.43 M) other than black and regular colours	-	2	BMT-B-10	1	Sqm	-	2500.00					2500.00
24	High Polished Granite 16 to 18 mm thick up to 8'-00 (2.43 M) black.	-	2	BMT-B-11	1	Sqm	5.00	2100.00					2100.00

ASSISTANT ENGINEER
A.P.E.W.I.D.C.
PARVATHIPURAM

29/3/23
Dy. Executive Engineer,
A.P.E.W.I.D.C.
PALAKONDA

EXECUTIVE ENGINEER
A.P.E.W.I.D.C.
Parvathipuram Manyam Dist.

31-3-2023

D A T A (SoR 2022-23)
Name of the Work: Proposed construction of 10x MTR rifil shooting range building in Government Degree College,
Saluru Municipality, Manvam, Parvathi Puram District.

	CEMENT MORTAR PER CUM						
	Cost of Sand for mortar & Plastering (1.05 cum)	CM (1:2)	CM (1:3)	CM (1:4)	CM (1:5)	CM (1:6)	CM (1:8)
	Cost of cement	830.38	830.38	830.38	830.38	830.38	830.38
	Mazdoor (Unskilled) for mixing mortar (0.20 Nos.)	3038.40	2025.60	1519.20	1215.36	1012.80	759.60
	Add for MA @ 20%	105.00	105.00	105.00	105.00	105.00	105.00
	Rate per Cum	21.00	21.00	21.00	21.00	21.00	21.00
		3994.78	2981.98	2475.58	2171.74	1969.18	1715.98
	20 mm HBG graded metal						
	Arregates 20mm nominal size	0.60	1807.23	1084.34			
	Arregates 13.20 / 12.50mm nominal size	0.15	1502.23	225.33			
	Arregates 10mm nominal size	0.15	1312.23	196.83			
	Arregates 6mm nominal size	0.10	1107.23	110.72			
	Rate per Cum			1617.22			
	12 mm HBG graded metal						
	Arregates 13.20 / 12.50mm nominal size	0.60	1502.23	901.34			
	Arregates 10mm nominal size	0.20	1312.23	262.45			
	Arregates 6mm nominal size	0.20	1107.23	221.45			
	Rate per Cum			1385.23			

DATA

Sl. No.	Description	Quantity	Rate (Rs.)	Per Unit	Amount (Rs.)
1	Earth work excavation for foundations (Manual Means) of buildings, septic tank, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)				
	(BLD-CSTN-2-1)				
	Ordinary Soil - Manual Means up to 3m depth				
	Unit : 1 cum				
	Taking output :	10.00	cum		
	a) Labour				
	Mazdoor (Unskilled)	3.64	Nos.	525.00	1 No. 1911.00
	Add for MA @ 20%	0.20		1911.00	382.20
					2293.20
	b&c)				
	Overheads&Contractors Profit @13.615%	0.13615		2293.20	312.22
	Cost for 10 cum (a+b+c)				2605.42
	Rate per cum (a+b+c) / 10				260.54
	Rate per 1 cum			Say	261

2	Filling with useful available excavated earth (excluding rock) with a lead of 50 m in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., and overheads & contractors profit complete for finished item of work (APSS NO.309&310)					
	(BLD-CSTN-2-9) & Amendment in page 13 of SoR 2014.15					
	Unit : 1 cum					
	Taking output :	6.00	cum			
	a) Labour				1 No.	1638.00
	Mazdoor (Unskilled)	3.12	Nos.	525.00		327.60
	Add for MA @ 20%	0.20		1638.00		1965.60
	Water	0.72	KI	103.00	1 KI	74.16
	Rate per 6 cum (a+b+c)					2039.76
	Overheads&Contractors Profit @13.615%	0.13615		2039.76		277.71
						2317.47
						386.25
	Rate per 1 cum				Say	386
3	Filling with carted coarse sand in trenches,sides of foundations and basement with initial lead in layers not exceeding 15cm thick,watering and ramming including cost and conveyance of water to work site and all peraitonal,incidental ,labour charges,hire charges of T&P etc., and overheads & contractors profit complete for finished item of work(APSS NO.309&310)					
	(BLD-CSTN-2-8) & Amendment in page 12 of SoR 2014.15					
	Unit : 1 cum					
	Taking output = 1 cum					
	a) Labour					
	Mazdoor (Unskilled)	0.31	Nos.	525.00	1 No.	162.75
	Add for MA @ 20%	0.20		162.75		32.55
	b)Material :					
	Coarse sand for filling	1.00	cum	512.81	1 cum	512.81
	Water	0.10	KI	103.00	1 KI	10.30
						718.41
	Overheads&Contractors Profit @13.615%	0.13615				
				718.41		97.81
	Rate per 1 cum					816.22
					Say	816
4	Plain Cement Concrete (1:5:10) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed, ramming in 15 cm layers finishing top surface to the required level curing etc.,and overheads & contractors profit complete for finished item of work (APSS No. 402)					
	(BLD-CSTN-3-7)					
	Unit : 1 cum					
	A.MATERIALS :					
	Cement	129.60	Kgs	4220.00	1000 Kgs	546.91
	Coarse aggregate 40mm	0.90	Cum	1207.23	1 Cum	1086.51
	Fine aggregate (Sand)	0.45	Cum	695.84	1 Cum	313.13
	Water (including curing)	1.20	kl	103.00	1 kl	123.60
	B.MACHINERY :					
	Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum)capacity	1.00	hour			
	Crew charges	1.00	hour	188.10	1 hour	188.10
	Add MA on crew charges	0.20		306.80	1 hour	306.80
	C.LABOUR :			306.80		61.36
	1st class mason	0.10	Nos.			
	Mazdoor (unskilled)	1.39	Nos.	630.00	1 Each	63.00
	Add for MA @ 20%	0.20		525.00	1 Each	729.75
				792.75		158.55
	Overheads&Contractors Profit @13.615%	0.13615				3577.71
	Rate per 1 cum			3577.71		487.10
						4064.81

						Say	4065
5	Random Rubble stone masonry in CM (1:8) prop: (Cement: Screened sand) using hard other than granite stones carted from approved quarry including cost and conveyance of all materials like cement, screened sand, water, stones etc., from approved quarry, to site, sales & other taxes on all materials including labour for cutting stones to required size and shape, mixing, of cement, mortar, construction, curing etc., and overheads & contractors profit complete for finished item of work in foundation and basement. (APSS No. 601 & 615)						
	(BLD-CSTN-6-13)						
	Unit = 1 cum						
	A.MATERIALS						
	Cement	59.40	Kgs	4220.00	1000	Kgs	250.67
	Rough stone (OTG)	1.10	Cum	230.79	1	Cum	253.87
	Fine aggregate(sand)	0.33	Cum	790.84	1	Cum	260.98
	B) LABOUR						
	1st class mason	1.20	Nos.	630.00	1	Each	756.00
	Mazdoor (unskilled)	2.00	Nos.	525.00	1	Each	1050.00
	Add for MA @ 20%	0.20		1806.00			361.20
	Add water charges	0.01		2932.71			2932.71
							29.33
	Overheads&Contractors Profit @13.615%	0.13615		2962.04			2962.04
	Rate per 1 cum						403.28
							3365.32
						Say	3365
6	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 380 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and sales & other taxes on all materials, centering using Steel scaffolding pipes, jack props, wallers, Foot plates, brackets, steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., and overheads & contractors profit complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)						
	(BLD-CSTN-3-14)						
	FOUNDATIONS, PLINTH, PEDESTALS (Below Plinth)						
	A.MATERIALS :						
	Cement	380.00	Kgs	4220.00	1000	Kgs	1603.60
	20mm HBG graded metal	0.80	Cum	1617.22	1	Cum	1293.78
	Sand	0.40	Cum	695.84	1	Cum	278.34
	B.LABOUR :						
	1st class Mason	0.133	Nos	630.00	1	Each	83.79
	2nd class Mason	0.267	Nos	565.00	1	Each	150.86
	Mazdoor (both men&women)	4.60	Nos	525.00	1	Each	2415.00
	Add for MA @ 20%	0.20		2649.65			529.93
	C.MACHINERY :						
	Batching plant 0.50 cum	1.333	hours	233.80	1	hour	311.66
	Crew charges	1.333	hours	473.50	1	hour	631.18
	Needle vibrator 40mm (petrol)	1.333	hours	38.20	1	hour	50.92
	Crew charges	1.333	hours	220.90	1	hour	294.46
	Add MA on crew charges	0.20		925.64			185.13
	Water(including for curing)	1.20	kl	103.00	1	kl	123.60
	Rate per 1 cum						7952.22
a	Footings						
	Rate for Design mix M 25	1.00	Cum	7952.22	1	Cum	7952.22
	Hire charges of centering and scaffolding	1.00	Cum	301.00	1	Cum	301.00
	Labour charges	1.00	Cum	672.00	1	Cum	672.00
	Add for MA @ 20%	0.20		672.00			134.40
	Overheads&Contractors Profit @13.615%	0.13615		9059.62			9059.62
							1233.47

							10293.09
		Rate per 1 cum				Say	10293
	b	Column pedestals					
		Rate for Design mix M 25	1.00	Cum	7952.22	1 Cum	7952.22
		Hire charges of centering and scaffolding	1.00	Cum	343.00	1 Cum	343.00
		Labour charges	1.00	Cum	1069.00	1 Cum	1069.00
		Add for MA @ 20%	0.20		1069.00		213.80
							9578.02
		Overheads&Contractors Profit @13.615%	0.13615		9578.02		1304.05
		Rate per 1 cum				Say	10882.07
							10882
	c	Plinth Beams					
		Rate for Design mix M 25	1.00	Cum	7952.22	1 Cum	7952.22
		Hire charges of centering and scaffolding	1.00	Cum	1453.00	1 Cum	1453.00
		Labour charges	1.00	Cum	1620.00	1 Cum	1620.00
		Add for MA @ 20%	0.20		1620.00		324.00
							11349.22
		Overheads&Contractors Profit @13.615%	0.13615		11349.22		1545.20
		Rate per 1 cum				Say	12894.42
							12894
		Base slab 230mm thick for Sump / Septic tank :					
		Rate for Design mix M 25	0.23	Cum	7952.22	1 Cum	1829.01
		Hire charges of centering and scaffolding	0.23	Cum	0.00	1 Cum	0.00
		Labour charges	0.23	Cum	0.00	1 Cum	0.00
		0	0.00		0.00		0.00
							1829.01
		0					
			0.00000		1829.01		0.00
		Rate per 1 sqm				Say	1829.01
							1829
6		Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 380 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and sales & other taxes on all materials, centering using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)					
		(BLD-CSTN-3-15)					
		COLUMNS, LINTELS, WATER TANKS, RCC WALL IN BUILDINGS:					
		A.MATERIALS :					
		Cement	380.00	Kgs	4220.00	1000 Kgs	1603.60
		20mm HBG graded metal	0.80	Cum	1617.22	1 Cum	1293.78
		Sand	0.40	Cum	695.84	1 Cum	278.34
		B.LABOUR :					
		1st class Mason	0.167	Nos	630.00	1 Each	105.21
		2nd class Mason	0.167	Nos	565.00	1 Each	94.36
		Mazdoor (both men&women)	5.60	Nos	525.00	1 Each	2940.00
		Add for MA @ 20%	0.20		3139.57		627.91
		C.MACHINERY :					
		Batching plant 0.50 cum	1.333	hours	233.80	1 hour	311.66
		Crew charges	1.333	hours	473.50	1 hour	631.18
		Needle vibrator 40mm (petrol)	1.333	hours	38.20	1 hour	50.92
		Crew charges	1.333	hours	220.90	1 hour	294.46
		Add MA on crew charges	0.20		925.64		185.13
		Water(including for curing)	1.20	kl	103.00	1 kl	123.60
		Rate per 1 cum					8540.13
		COLUMNS :					

	un supported height up to 3.66 m					
	Rate for other Floors	FF	SF	TF		
	Rate as above	8540.13	8540.13	8540.13		
	Hire charges of centering and scaffolding	371.00	371.00	371.00		
	Labour charges	2415.00	2656.50	2898.00		
	Add for MA @ 20%	483.00	531.30	579.60		
	Lift charges of materials(Manual)	0.00	70.50	141.00		
	Add for MA @ 20%	0.00	14.10	28.20		
	Rate per 1 cum	11809.13	12183.53	12557.93		
	Overheads&Contractors Profit @13.615%	1607.81	1658.79	1709.76		
	Rate per 1 cum	13416.94	13842.32	14267.69		
	Say	13417	13842	14268		
	LINTELS :					
	Rate for other Floors	FF	SF	TF		
	Rate as above	8540.13	8540.13	8540.13		
	Hire charges of centering and scaffolding	1233.00	1233.00	1233.00		
	Labour charges	1720.00	1892.00	2064.00		
	Add for MA @ 20%	344.00	378.40	412.80		
	Lift charges of materials(Manual)	0.00	70.50	141.00		
	Add for MA @ 20%	0.00	14.10	28.20		
	Rate per 1 cum	11837.13	12128.13	12419.13		
	Overheads&Contractors Profit @13.615%	1611.63	1651.24	1690.86		
	Rate per 1 cum	13448.76	13779.37	14109.99		
	Say	13449	13779	14110		
	WATER TANKS, SUMP, LIFT :					
	300mm thick side walls					
	Cost of M 25 design mix	0.30	cum	8540.13	1.00 cum	2562.04
	Rate for other Floors	FF				
	Rate as above	2562.04				
	Hire charges of centering and scaffolding	0.00				
	Labour charges	0.00				
	0	0.00				
	Lift charges of materials(Manual)	0.00				
	0	0.00				
	Rate per 10 sqm	2562.04				
	0	0				
	Rate per 1 sqm	2562.04				
	Say	2562				
7	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 380 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal(coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and sales & other taxes on all materials , centering using Casurina Ballies , Bamboos , Wooden Reapers , Runners , Wood Posts , Wall Plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)					
	(BLD-CSTN-3-16)					
	RCC SLABS , BEAMS :					
	A.MATERIALS :					
	Cement	380.00	Kgs	4220.00	1000 Kgs	1603.60
	20mm HBG graded metal	0.80	Cum	1617.22	1 Cum	1293.78
	Sand	0.40	Cum	695.84	1 Cum	278.34
	B.LABOUR :					
	1st class Mason	0.067	Nos	630.00	1 Each	42.21
	2nd class Mason	0.133	Nos	565.00	1 Each	75.15

				525.00	1	Each	1615.43
	Mazdoor (both men&women)	3.077	Nos	1732.78			346.56
	Add for MA @ 20%	0.20					
	C.MACHINERY :						
	Batching plant 0.50 cum	0.308	hours	233.80	1	hour	72.01
	Crew charges	0.308	hours	473.50	1	hour	145.84
	Needle vibrator 40mm (petrol)	0.308	hours	38.20	1	hour	11.77
	Crew charges	0.308	hours	220.90	1	hour	68.04
	Add MA on crew charges	0.20		213.88			42.78
	Water(including for curing)	1.20	kl	103.00	1	kl	123.60
	Rate per 1 cum						5719.07
	BEAMS :						
	un supported height up to 3.66 m						
	Rate for other Floors	FF	SF	TF			
	Rate as above	5719.07	5719.07	5719.07			
	Hire charges of centering and scaffolding	2179.00	2179.00	2179.00			
	Labour , lift charges for scaffolding	2027.00	2229.70	2432.40			
	#REF!	405.40	445.94	486.48			
	Lift charges of materials(Manual)	0.00	122.55	245.10			
	Add for MA @ 20%	0.00	24.51	49.02			
	Rate for 1 cum	10330.47	10720.77	11111.07			
	Overheads&Contractors Profit @13.615%	1406.49	1459.63	1512.77			
	Rate per 1 cum	11736.96	12180.40	12623.84			
	Say	11737	12180	12624			
	RCC SLABS :						
	Roof Slabs 125mm thick :						
	un supported height up to 3.66 m						
	Rate for Design mix M 25	0.125	Cum	5719.07	1	Cum	714.88
	Rate for other Floors	FF	SF	TF	150 GF	150 GF	
	Rate as above	714.88	714.88	714.88	857.86	857.86	
	Hire charges of centering and scaffolding	247.00	247.00	247.00	247.00	247.00	
	Labour , lift charges for scaffolding	241.00	265.10	289.20	241.00	140.00	
	Add for MA @ 20%	48.20	53.02	57.84	48.20	28.00	
	Lift charges of materials(Manual)	0.00	15.32	30.64	0.00	15.32	
	Add for MA @ 20%	0.00	3.06	6.13	0.00	3.83	
	Rate per 1 sqm	1251.08	1298.39	1345.69	1394.06	1292.01	
	Overheads&Contractors Profit @13.615%	170.34	176.78	183.22	189.8	175.91	
	Rate per 1 sqm	1421.42	1475.17	1528.91	1583.86	1467.92	
	Say	1421	1475	1529	1234	1274	
8	Providing Thermo Mechanically Treated (TMT) (Fe 500 grade as per IS 1786-1979) of different diameters for RCC works , including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. ,and overheads & contractors profit complete (BLD-CSTN-4.2)& Amendment in SoR 2011-12 page No. 392						
	Unit - 1 MT						
	Material						
	TMT bars including 5% for overlaps and wastage	1.05	MT				
	Binding wire	6.00	Kgs	40000.00	1	MT	42000.00
	Labour for cutting , bending , shifting to site , tying and placing in position			70.00	1	Kgs	420.00
	1st class Blacksmith / Barbender	3.00	Nos.				
	2nd class Blacksmith / Barbender	7.00	Nos.	750.00			
	Mazdoor(Unskilled)	10.00	Nos.	590.00	1	Each	2250.00
	Add for MA @ 20%	0.20		525.00	1	Each	4130.00
				11630.00	1	Each	5250.00
							2326.00

							56376.00
	Rate for other Floors	FF					
	Rate as worked out above	56376.00					
	Lift charges (Page 131 of Std. Data)	0.00					
	Add for MA @ 20%	0.00					
	Rate per 1 MT	56376.00					
	Overheads&Contractors Profit @13.615%	7675.59					
	Rate per 1 MT	64051.59					
	Say	64052					
9	Masonry work in CM(1:6) prop (Cement : Screened sand) in superstructure with fly ash cement / lime solid blocks of size 290mm x 225mm x 140mm from approved source having minimum crushing strength of 50 Kg/Sqcm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, including sales & other taxes on all materials and such as labour charges, like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing, overheads and contractor profit etc., complete for finished item of work. (APSS No. 501 & 504) (BLD-CSTN-5-17)						
	Unit = 1 Cum						
	A.MATERIALS						
	No of blocks required for 1 Cum of Masonry	110	Nos	33218.86	1000	Nos	3654.07
	Cement	24.00	Kgs	4220.00	1000	Kgs	101.28
	Fine aggregate (Sand)	0.10	cu.m.	790.84	1	cu.m.	79.08
	B .LABOUR						
	Mason 1st class	0.42	Nos.	630.00	1	Each	264.60
	Mason 2nd class	0.92	Nos.	565.00	1	Each	519.80
	Man Mazdoor	0.70	Nos.	525.00	1	Each	367.50
	Woman Mazdoor	2.10	Nos.	525.00	1	Each	1102.50
	Add for MA @ 20%	0.20		2254.40			450.88
	water charges @ 1%	0.01		6539.72			65.40
	Rate per 1 cum						6605.12
	Rate for Foundation , Basement , Compound wall						
	Rate as above	1.00	cum	6605.12	1	cum	6605.12
	Overheads&Contractors Profit @13.615%	0.13615		6605.12			899.29
	Rate per 1 cum						7504.40
						say	7504
	Superstructure :						
	Rate for other Floors	FF	SF				
	Rate as worked out above	6605.12	6605.12				
	Hire charges for Access Scaffolding	47.91	47.91				
	Labour charges for scaffolding	376.09	538.58				
	#REF!	75.22	107.72				
	Lift charges (Page 131 of Std. Data)	0.00	0.00				
	#REF!	0.00	0.00				
		7104.33	7299.32				
	Overheads&Contractors Profit @13.615%	967.26	993.80				
	Rate per 1 cum	8071.59	8293.12				
	Say	8072	8293				
10	Ornamental ceiling plastering 12mm thick single coat in CM (1:5) using screened sand including cost and conveyance of all materials like cement, sand, water etc., to site, including sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, curing as directed by Engineer-in-charge etc., and overheads & contractors profit complete for finished item of work.(SS 901,903 & 904)						
	(BLD-CSTN-8-3)						
	Unit : 10 sqm						
	A.MATERIALS :						

[illegible]

12	Plastering 12mm thick in two coats using screened sand with base coat of 8mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting grooves as directed by Engineer - in - charge etc., and overheads & contractors profit complete for finished item of work. (SS 901,903 & 904)					
	(BLD-CSTN-8-10)					
	Unit : 10 sqm					
	A.MATERIALS :					
	Base coat in CM(1:6) , 8mm thick					
	Cement	26.40	Kgs	4220.00	1000 Kgs	111.41
	Fine aggregate (Sand)	0.11	Cum	790.84	1 Cum	86.99
	Top coat in CM(1:4) , 4mm thick					
	Cement	14.40	Kgs	4220.00	1000 Kgs	60.77
	Fine aggregate (Sand)	0.04	Cum	790.84	1 Cum	31.63
	B.LABOUR :					
	1st Class Mason	0.63	Nos.	630.00	1 Each	396.90
	2nd Class Mason	1.47	Nos.	565.00	1 Each	830.55
	Mazdoor (Unskilled)	3.90	Nos.	525.00	1 Each	2047.50
	Add for MA @ 20%	0.20		3274.95		654.99
	water charges @ 1%	0.01		4220.74		42.21
	Rate per 10 Sgm					4262.95
	Rate per 1 Sgm					426.29
	Walls in superstructure :					
	Rate for other Floors	FF	SF	TF		
	Rate as worked out above	426.29	426.29	426.29		
	Hire charges for Access Scaffolding	1.08	1.08	1.08		
	Labour charges for scaffolding	8.47	12.12	15.77		
	Add for MA @ 20%	1.69	2.42	3.15		
	Lift charges (Page 131 of Std. Data)	0.00	0.00	0.00		
	Add for MA @ 20%	0.00	0.00	0.00		
	Rate per 1 Sgm	437.53	441.91	446.29		
	Overheads&Contractors Profit @13.615%	59.57	60.17	60.76		
		497.10	502.08	507.05		
	Say	497	502	507		
13	Plastering 20mm thick in two coats using screened sand with base coat of 16mm thick in CM(1:6) and top coat of 4mm thick in CM(1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting grooves as directed by Engineer-in-charge etc., and overheads & contractors profit complete for finished item of work .(SS 901,903 & 904)					
	(BLD-CSTN-8-9)					
	Unit : 10 sqm					
	A.MATERIALS :					
	Base coat in CM(1:6) , 16mm thick					
	Cement	43.20	Kgs	4220.00	1000 Kgs	182.30
	Fine aggregate (Sand)	0.18	Cum	790.84	1 Cum	142.35
	Top coat in CM(1:4) , 4mm thick					
	Cement	14.40	Kgs	4220.00	1000 Kgs	60.77
	Fine aggregate (Sand)	0.04	Cum	790.84	1 Cum	31.63
	B.LABOUR :					
	1st Class Mason	0.63	Nos.	630.00	1 Each	396.90
	2nd Class Mason	1.47	Nos.	565.00	1 Each	830.55
	Mazdoor (Unskilled)	3.90	Nos.	525.00	1 Each	2047.50
	Add for MA @ 20%	0.20		3274.95		654.99
	water charges @ 1%	0.01		4347.00		43.47
	Rate per 10 Sgm					4390.47
	Rate per 1 Sgm					439.05
	Walls in superstructure :					
	Rate for other Floors	FF				

	Rate as worked out above	439.05					
	Hire charges for Access Scaffolding	1.08					
	Labour charges for scaffolding	8.47					
	Add for MA @ 20%	1.69					
	Lift charges (Page 131 of Std. Data)	0.00					
	Add for MA @ 20%	0.00					
		450.29					
	Overheads&Contractors Profit @13.615%	61.31					
	Rate per 1 Sqm	511.60					
	Say	512					
14	Flooring with polished shahabad / Tandur stone slabs of 15mm to 18mm thick set over a base coat of CM (1:8) , 12mm thick using screened sand over already laid CC bed / RCC roof slab including neat cement slurry of honey like consistency spread @ 3.3 Kgs per Sqm and jointed with neat cement to full depth including cost and conveyance of all materials like cement, sand, water, flooring stones etc. complete including sales & other taxes on all materials including all labour charges like dressing of flooring stones to the required size, mixing of cement mortar, laying, lift charges , cost of base coat, water charges etc., and overheads & contractors profit complete for finished item of work. (APSS No.703 & 701)						
	(BLD-CSTN-9-1)						
	Unit = 10 sqm.						
	A. MATERIALS:						
	Polished shahabad stone 15 to 18mm thick	11.00	Sqm	4022.44	10	Sqm	4424.68
	Cement for CM (1:8) proportion for base coat	21.60	Kgs	4220.00	1000	Kgs	91.15
	Cement for slurry	33.00	Kgs	4220.00	1000	Kgs	139.26
	Cement for pointing	20.00	Kgs	4220.00	1000	Kgs	84.40
	Sand for CM(1:8)	0.12	Cum	790.84	1	Cum	94.90
	B .LABOUR						
	Mason 1st class	3.10	Nos	630.00	1	Each	1953.00
	Mason 2nd class	1.10	Nos	565.00	1	Each	621.50
	Mazdoor(un skilled)	0.86	Nos	525.00	1	Each	451.50
	Add for MA @ 20%	0.20		3026.00			605.20
	Add water charges 1%	0.01		8465.60			84.66
	Rate for 10 sqm						8550.25
	Rate for other floors	FF	SF				
	Rate as worked out above	8550.25	8550.25				
	Lift charges (Page 131 of Std. Data)	0.00	222.17				
	Add for MA @ 20%	0.00	44.43				
		8550.25	8816.86				
	Overheads&Contractors Profit @13.615%	1164.12	1200.42				
	Rate per 10 Sqm	9714.37	10017.28				
	Rate per 1 Sqm	971.44	1001.73				
	Say	971	1002				
15	Flooring with soluble salt porcelain vitrified tiles screen printed and polished of size 600 x 600 mm and thickness between 8 to 10mm 1st quality conforming to IS: 13711, IS: 13712, IS: 13630(Parts 1 to 15) of any colour and finish in all shades and designs with borders and design as per the approved flooring pattern as directed by the Engineer-In -Charge, laying tiles using spacers of 2mm thick, set over a base coat of CM (1:8) of honey like consistency spread @ 3.3 kgs per Sqm. and jointed neatly with white cement paste to full depth mixed with pigment of matching shade including cost and conveyance of all materials like cement, sand, water, tiles, white cement etc., to site (excluding cost of C.C. bed) including cost of base coat and all labour charges for mixing of cement mortar, laying tiles to required slope as directed by the Engineer- in-charge etc.,and overheads & contractors profit complete for finished item of work. (APSS No.701 & 707)						
	(BLD-CSTN-9-5)						
	Unit = 10 sqm.						
	A. MATERIALS:						
	Vitrified tiles 8 to 10mm thick of size 600mm	10.50	Sqm	425.00	1	Sqm	4462.50

	Cement for CM(1:8)proportion for base coat	21.60	Kgs	4220.00	1000	Kgs	91.15
	Cement for slurry	33.00	Kgs	4220.00	1000	Kgs	139.26
	White Cement	6.00	Kgs	31.00	1	Kg	186.00
	Sand for CM(1:8)	0.12	Cum	790.84	1	Cum	94.90
	B .LABOUR						
	Mason 1st class	0.96	Nos	630.00	1	Each	604.80
	Mason 2nd class	2.24	Nos	565.00	1	Each	1265.60
	Mazdoor(un skilled)	3.30	Nos	525.00	1	Each	1732.50
	Add for MA @ 20%	0.20		3602.90			720.58
	Add water charges 1%	0.01		9297.29			92.97
	Rate for 10sqm						9390.27
	Rate for other Floors	FF	SF				
	Rate as worked out above	9390.27	9390.27				
	Lift charges (Page 131 of Std. Data)	0.00	260.82				
	#REF!	0.00	52.16				
	#REF!	9390.27	9703.25				
	#REF!	1278.48	1321.10				
	Rate per 10 Sqm	10668.75	11024.35				
	Rate per 1 Sqm	1066.87	1102.43				
	Say	1067	1102				
16	Granolithic Concrete flooring 20 mm thick with (1:1:2), using 6mm to 12 mm size hard granite machine crushed metal and screened sand laid over CC bed already laid or RCC roof slab, in alternate panels of size not exceeding 1.50 m x 1.50 m, using glass strips and finishing the top surface to required smoothness and slopes and thread lining including cost of all materials like cement, metal sand and water and overheads & contractors profit complete for finished item of work. (APSS No.701 & 710)						
	(BLD-CSTN-9-13)						
	Unit : 10sqm						
	A.MATERIALS :						
	6mm to 12mm HBG Metal	0.17	Cum	1385.23	1	Cum	235.49
	Cement	120.00	Kgs	4220.00	1000	Kgs	506.40
	Sand	0.085	Cum	695.84	1	Cum	59.15
	Add for glass strips	10.00	Sqm	8.00	1	Sqm	80.00
	B. LABOUR						
	Mason 1st class	1.25	Nos.	630.00	1	Each	787.50
	Mason 2nd class	0.06	Nos.	565.00	1	Each	33.90
	Mazdoor (unskilled)	3.00	Nos.	525.00	1	Each	1575.00
	Add for MA @ 20%	0.20		2396.40			479.28
	Add water charges 1%	0.01		3756.72			37.57
	Rate per 10 Sqm						3794.28
	Rate for other Floors	FF					
	Rate as worked out above	3794.28					
	Lift charges (Page 131 of Std. Data)	0.00					
	Add for MA @ 20%	0.00					
		3794.28					
	Overheads&Contractors Profit @13.615%	516.59					
	Rate per 10 Sqm	4310.87					
	Rate per 1 Sqm	431.09					
	Say	431					
17	Supply & application of one coat water based cement primer of interior grade I and two coats of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/litre for internal walls including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc., and overheads & contractors profit complete for finished item of work in all floors.						
	(BLD-CSTN-12-2& Amendment In SoR 2011-12)						
	Unit 10 Sqm.						
	A. Materials:-						

	Cost of cement primer interior grade I	1.00	Kg	160.00	1	Kg	160.00
	Painter 1st class	0.21	Nos.	705.00	1	Each	148.05
	Painter 2nd class	0.49	Nos.	565.00	1	Each	276.85
	Acrylic emulsion paint	0.80	Ltrs	1009.00	1	Ltrs	807.20
	Painter 1st class	0.36	Nos.	705.00	1	Each	253.80
	Painter 2nd class	0.84	Nos.	565.00	1	Each	474.60
	Add for MA @ 20%	0.20		1153.30			230.66
	Sundries including brushes , ladders etc., @ 1%	0.01		2351.16			23.51
							2374.67
	Overheads&Contractors Profit @13.615%	0.13615		2374.67			323.31
	Rate per 10 sqm						2697.98
	Rate per 1 sqm						269.80
						Say	270
18	Supply & application of one coat water based cement primer of exterior grade II and two coats of acrylic exterior emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/litre for exterior walls including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc., and overheads & contractors profit complete for finished item of work in all floors.						
	(BLD-CSTN-12-2& Amendment in SoR 2011-12)						
	Unit 10 Sgm.						
	A. Materials:-						
	Cost of cement primer exterior grade II	1.00	Kg	200.00	1	Kg	200.00
	Painter 1st class	0.21	Nos.	705.00	1	Each	148.05
	Painter 2nd class	0.49	Nos.	565.00	1	Each	276.85
	Acrylic emulsion paint	0.80	Ltrs	1009.00	1	Ltrs	807.20
	Painter 1st class	0.36	Nos.	705.00	1	Each	253.80
	Painter 2nd class	0.84	Nos.	565.00	1	Each	474.60
	Add for MA @ 20%	0.20		1153.30			230.66
	Sundries including brushes , ladders etc., @ 1%	0.01		2391.16			23.91
	Hire charges for Access Scaffolding	10	sqm	1.08	1	sqm	10.80
	Labour charges for scaffolding	10	sqm	8.47	1	sqm	84.70
	Add for MA @ 20%	0.20		84.70			16.94
							2527.51
	Overheads&Contractors Profit @13.615%	0.13615		2527.51			344.12
	Rate per 10 sqm						2871.63
	Rate per 1 sqm						287.16
						Say	287
19	Painting two coats with synthetic enamel paint Grade-II VOC (Volatile Organic Compound) content less than 50 grams/litre over primer coat of red oxide to new iron work including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc., and overheads & contractors profit complete for finished item of work in all floors. (SS No. 1201, 1212 & 1207).						
	(BLD-CSTN-12-7 & 12-12-197)						
	Unit : 10 sqm						
	A.MATERIALS :						
	Red oxide primer	0.70	Ltr	145.00			
	Cost of Synthetic Enamel Paint	1.10	Ltr	180.00	1	Ltr	101.50
	B.LABOUR :						
	for primer coat				1	Ltr	198.00
	1st Class Painter	0.21	Nos.	705.00			
	2nd Class Painter	0.49	Nos.	565.00	1	Each	148.05
	for enamel painting				1	Each	276.85
	1st Class Painter	0.33	Nos.	705.00			
	2nd Class Painter	0.77	Nos.	565.00	1	Each	232.65
	Add for MA @ 20%	0.20		1092.60	1	Each	435.05
	Sundries including brushes , ladders etc., @ 1%	0.01		1610.62			218.52
							16.11
	Overheads&Contractors Profit @13.615%	0.13615		1626.73			221.48
	Rate per 10 sqm						1848.20

	Rate per 1 sqm						184.82
						Say	185
20	Supplying and fixing Gyp board Fine line Grid false ceiling (GS-FLC-4.6) using 12.5mm thick Gyp Board sheet tiles of size 595mm x 595mm conforming to IS 2095 - 1992 fixing to Gyp steel precoated GI wall angle of size 25mm x 25mm x 0.70mm thick along the perimeter of ceiling screw fixed to brick work / partition at 610mm center to center and suspending the frame work using precoated GI Tee section (24mm x 38mm x 0.7mm) from soffit at 1220mm center to center fixed with GI Soffit Cleat, rawl plugs and steel expansion fasteners & connecting clip to the GI Tee section with 4mm dia GI rod with galvanised spring steel level clip of PVC universal holding clips system at 1200mm center to center and fixing the 12.5mm Gypboard sheet tiles of size 595mm x 595mm and finishing two coats of drywall top coat, overheads and contractor profit complete for finished item of work in all floors.						
	(BLD-CSTN-10-32 & vide Page No. 390 of SoR 2011-12)						
	Unit - 1 Sqm						
	A) Material requirement as per India Gypsum						
	12.5mm Gypboard Tiles						
	595mm x 595mm	1.00	sqm	275.00	1	sqm	275.00
	GI Angle - Precoated - 25mm x 25mm x 0.7mm	0.40	RM	62.00	1	RM	24.80
	GI pre coated - T section - 3600mm long - 24mm x 38mm x 0.7mm thick	3.20	RM	60.00	1	RM	192.00
	GI Rod - 4mm dia - Connecting Rod	1.28	RM	15.00	1	RM	19.20
	Rawl Plug	1.28	Nos.	4.00	1	No.	5.12
	Soffit Cleats	1.28	Nos.	5.00	1	No.	6.40
	Universal Holding Clips	5.36	Nos.	4.00	1	No.	21.44
	Drywall Top coat	0.15	Ltrs	150.00	1	Ltr	22.50
	B) Labour Charges						
	1st Class Carpenter	0.12	Nos.	705.00	1	No.	84.60
	2nd Class Carpenter	0.12	Nos.	565.00	1	No.	67.80
	1st Class Painter	0.02	Nos.	705.00	1	No.	16.92
	2nd Class Painter	0.024	Nos.	565.00	1	No.	13.56
	Power Saw cutter - Hand Operated -	0.012	Nos.	705.00	1	No.	8.46
	Power Drill - Hand Operated - Operator	0.012	Nos.	705.00	1	No.	8.46
	Unskilled Mazdoor	0.072	Nos.	525.00	1	No.	37.80
	Add for MA @ 20%	0.20		237.60			47.52
	C) Machinery						
	Power Saw cutter - Hand Operated - Hire Charges	0.32	Hours	132.00	1	Hour	42.24
	Power Drill - Hand Operated - Hire Charges	0.32	Hours	121.00	1	Hour	38.72
							932.54
	Scaffolding charges @ 1%	0.01		932.54			9.33
	Basic Cost per 1 Sqm						941.87
	Overheads & Contractors Profit @ 13.615%	0.13615		941.87			128.23
	Rate per 1 sqm						1070.10
						Say	1070
21	Supplying and fixing of Pre-painted Galvalume Trapezoidal Profile Roofing sheets with 0.50mm thickness, Coating: Alu-Zinc coating AZ150 GSM. Tensile Strength: 550 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours fixed with G.I 'J' bolts & nuts 8 mm dia with bitumen & G.I limpet washers filled with white lead & including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete (up to a pitch of 600) etc., complete, excluding the cost of purlins, rafters, trusses including cost and conveyance of all materials, labour charges, overheads and contractors profit etc., complete for finished item of work in all floors.						
	Unit : 10 sqm						
	A. MATERIALS:						
	Galvalume sheet 0.50mm thick	10.50	sqm	407.00	1	sqm	4273.50
	G.I scam bolts & nuts 2 x 27 (laps) x 17 = 884	47.91	Nos.	6.00	1	No.	287.46

	G.I 'J' bolts 8 mm dia 2 x 5 x 27 sheets x 3 nos = 810 nos. with washers or screws, if wooden battens used.	43.90	Nos.	11.00	1	No.	482.90
	Limpet washers (for scam & 'J' bolts)	91.82	Nos.	2.00	1	No.	183.64
	Bitumen washers	91.82	Nos.	2.00	1	No.	183.64
	B. LABOUR						
	For roofing				1	No.	474.60
	Carpenter II class	0.84	Nos.	565.00	1	No.	477.75
	Man mazdoor (beldar)	0.91	Nos.	525.00			190.47
	Add for MA @ 20%	0.20		952.35			6553.96
	Rate per 10 sqm						655.40
	Rate per 1 sqm						89.23
	Overheads & Contractors Profit @ 13.615%	0.13615		655.40			744.63
	Rate per 1 sqm					say	745
22	Supply and fixing of truss using 110x110x8mm/75x75x10mm Langles for truss cost shall include cutting, welding and fixing at site, complete as per approved designs and drawings to be supplied at the time of execution of work, including cost and conveyance of all Mild steel /sections and all wastages such as couplings, weld joints, etc., and all operational, incidental, Labour charges for fabricating steel works including cost of welding rods, power charges, including cost of fixing in position etc. complete for finished item of work.						
	Cost of structural steel	1.05	MT	63000.00	1	MT	66150.00
	Labour charges for fabricating steel	1000	Kg	24.00	1	Kg	24000.00
	Labour charges for fixing steel	1001	Kg	4.00	1	Kg	4004.00
	Add Ma @ 25%	25%		28004.00			7001.00
							101155.00
	Rate per One MT					Say	101155.00
23	Flooring with non-skid full body ceramic floor tiles of size 300mm x 300mm and thickness between 7 - 8mm 1st quality conforming to IS: 13711, IS: 13712, IS: 13630(Part 1 to 15) of any colour and finish in all shades and designs as approved by Engineer-in-charge, set over base coat of cement mortar (1:8), 12mm thick using screened sand over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3 Kgs per Sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, screened sand, water and tiles etc., and overheads & contractors profit complete for finished item of work. (APSS No.701 & 707)						
	(BLD-CSTN-9-6)						
	Unit = 10 sqm.						
	A. MATERIALS:						
	Ceramic tiles 7 to 8mm thick (300mm x 300mm)	10.50	Sqm	370.00	1	Sqm	3885.00
	Cement for CM(1:8) proportion for base coat	21.60	Kgs	4220.00	1000	Kgs	91.15
	Cement for slurry	33.00	Kgs	4220.00	1000	Kgs	139.26
	White Cement	2.00	Kgs	31.00	1	Kg	62.00
	Sand for CM(1:8)	0.12	Cum	790.84	1	Cum	94.90
	B. LABOUR						
	Mason 1st class	0.96	Nos	630.00	1	Each	604.80
	Mason 2nd class	2.24	Nos	565.00	1	Each	1265.60
	Mazdoor(un skilled)	3.30	Nos	525.00	1	Each	1732.50
	Add for MA @ 20%	0.20		3602.90			720.58
	Add water charges 1%	0.01		8595.79			85.96
	Rate for 10sqm						8681.75
	Rate for other Floors	FF	SF				
	Rate as worked out above	8681.75	8681.75				
	Lift charges (Page 131 of Std. Data)	0.00	260.82				
	Add for MA @ 20%	0.00	52.16				
		8681.75	8994.73				

	Overheads&Contractors Profit @13.615%	1182.02	1224.63				
	Rate per 10 Sqm						
	Rate per 1 Sqm	9863.77	10219.36				
	Say	986.38	1021.94				
		986	1022				
24	Providing dadoing to walls with glazed full body ceramic tiles of any size and thickness between 5 to 7mm 1st quality conforming to IS: 13711, IS: 13712, IS: 13630(Parts 1 to 15) of any colour and finish in all shades and designs with borders as approved by Engineer-in-Charge set over base coat of CM(1:5) 12 mm thick using screened sand with cement slurry of honey like consistency spread at the rate of 3.30 kgs per sqm and jointing with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like tiles, cement, sand and water etc., and overheads & contractors profit complete for finished item of work.						
	(BLD-CSTN-9-18)						
	Unit = 10 sqm						
	A.MATERIALS :						
	Cost of glazed coloured tiles	10.50	sqm	510.00	1	sqm	5355.00
	Sand for CM(1:5) base coat	0.12	cum	790.84	1	cum	94.90
	Cement for CM(1:5) base coat	34.56	Kgs	4220.00	1000	Kgs	145.84
	Cement for slurry	33.00	Kgs	4220.00	1000	Kgs	139.26
	White cement for jointing & pointing	6.00	Kgs	31.00	1	Kg	186.00
	B.LABOUR						
	Mason 1st class	0.77	Nos.	630.00	1	Each	485.10
	Mazdoor(unskilled)	0.80	Nos.	525.00	1	Each	420.00
	Add for MA @ 20%	0.20		905.10			181.02
	Add water charges 1%	0.01		7007.12			70.07
	Rate for 10 sqm						7077.20
	Rate for other Floors	FF	SF				
	Rate as worked out above	7077.20	7077.20				
	Lift charges (Page 131 of Std. Data)	0.00	0.00				
	Add for MA @ 20%	0.00	0.00				
		7077.20	7077.20				
	Overheads&Contractors Profit @13.615%	963.56	963.56				
	Rate per 10 Sqm	8040.76	8040.76				
	Rate per 1 Sqm	804.08	804.08				
	Say	804	804				

25	Plain Cement Concrete M20 design mix using concrete mixer 10/7 cft (0.2/0.8cum) capacity, 20mm size hard granite machine crushed graded metal from approved quarry using a minimum quantity of 350kgs of cement per 1cum of concrete including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed, ramming in 15 cm layers finishing top surface to the required level curing etc.,and overheads & contractors profit complete for finished item of work. (APSS No. 402)						
	(BLD-CSTN-3-7)						
	Unit : 1 cum						
	A.MATERIALS :						
	Cement	350.00	Kgs	4220.00	1000	Kgs	1477.00
	Coarse aggregate 40mm	0.90	Cum	1207.23	1	Cum	1086.51
	Fine aggregate (Sand)	0.45	Cum	695.84	1	Cum	313.13
	Water (including curing)	1.20	kl	103.00	1	kl	123.60
	B.MACHINERY :						
	Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum)capacity	1.00	hour	188.10	1	hour	188.10
		1.00	hour	306.80	1	hour	306.80
	Crew charges	0.20		306.80			61.36
	Add MA on crew charges						
	C.LABOUR :	0.13	Nos.	630.00	1	Each	83.79
	1st class mason	0.27	Nos.	420.00	2	Each	56.07
	2nd class mason	4.60	Nos.	525.00	1	Each	2415.00
	Mazdoor (unskilled)	0.20		2554.86			510.97
	Add for MA @ 20%						

							6622.33
	Overheads&Contractors Profit @13.615%	0.13615		6622.33			901.63
	Rate per 1 cum						7523.96
						Say	7524
	Filling with borrowed earth by lorries in 15cm thick layers including loading, unloading and conveyance charges and consolidating each deposited layer etc complete for finished item of work						
	Output for 120 CUM						
	Labour:						
	Mazdoor	46.80	day	370.00	1	day	17316.00
	25% on Labour						4329.00
	Gravel	1.00	Hr	924.10	1	Hr	924.10
	for 120 CUM						22569.10
	for 1 CUM						188.08
	Add Lead for 25 kms						346.70
	Rate per CUM						534.78
						say	535
	for 1 CUM						188.08
	Add Lead for 32 kms						433.30
	Rate per CUM						621.38
						say	621
	Brick masonry (1:6)						
	Cement	48	kg	5			240.00
	sand	0.2	cum	322.57			64.51
	Bricks traditional 2nd class	512	nos	5.2			2662.40
	Mason 1 st class	0.24	day	465			111.60
	Masin 2nd class	0.56	day	420			235.20
	mazdoor	1.89	day	370			699.30
	25% on labour						261.53
	1% on water						42.75
	Total						4317.28
			GF	FF	SF	TF	
			4317.28	4317.28	4317.28	4317.28	
	Scaffolding		275.3	373.91	472.48	571.08	
	25%		59.06	83.7	108.35	133	
	lift		0	79.24	158.48	237.72	
	25%		0	19.81	39.62	59.43	
	total		4651.64	4873.94	5096.21	5318.51	
	cp		651.23	682.35	713.47	744.59	
	Total		5302.87	5556.30	5809.68	6063.11	

Asst.Engineer
APEWIDC, Saluru

29/3/23
Dy.Executive Engineer
APEWIDC, Parvathipuram

31/3/2023
Executive Engineer
APEWIDC, Parvathipuram

31-3-2023

JOINERY DATA
COMMON SoR 2022-2023

a) Labour charges for wrought and put up (BLD-CSTN-13-1)						
1st class carpenter	5.31	Nos.	705.00	1	Each	3743.55
2nd class carpenter	12.39	Nos.	565.00	1	Each	7000.35
Man Mazdoor	8.80	Nos.	525.00	1	Each	4620.00
Labour charges per 1 cum						15363.90
b) Labour charges for aluminium doors (S.No.11 of Page No. 396 of SoR 2022-23)						
1st class carpenter	0.099	Nos.	705.00		Each	69.80
2nd class carpenter	0.198	Nos.	565.00		Each	111.87
Power Saw Cutter -Hand Operated -Operator	0.099	Nos.	705.00		Each	69.80
Power Drill -Hand Operated -Operator	0.099	Nos.	705.00		Each	69.80
Mazdoor(Unskilled)	0.297	Nos.	525.00		Each	155.93
Non-technical work inspector	0.099	Nos.	685.00		Each	67.82
Add for MA @ 20%	0.20		545.00			109.00
Machinery						
Power Saw Cutter -Hand Operated -Hire charges	0.793	Hrs	132.00	1	Hour	104.68
Power Drill -Hand Operated -Hire charges	0.793	Hrs	121.00	1	Hour	95.95
Power charges for Motors 1%						854.62
Labour charges per 1 sqm	0.01		854.62			8.55
						863.17
c) Labour charges for aluminium sliding windows (S.No.10 of Page No. 395 of SoR 2022-23)						
1st class carpenter	0.096	Nos.	705.00		Each	67.68
2nd class carpenter	0.289	Nos.	565.00		Each	163.29
Power Saw Cutter -Hand Operated -Operator	0.096	Nos.	705.00		Each	67.68
Power Drill -Hand Operated -Operator	0.096	Nos.	705.00		Each	67.68
Mazdoor(Unskilled)	0.289	Nos.	525.00		Each	151.73
Non-technical work inspector	0.096	Nos.	685.00		Each	65.76
Add for MA @ 20%	0.20		583.81			116.76
C.Machinery						
Power Saw Cutter -Hand Operated -Hire charges	0.771	Hrs	132.00	1	Hour	101.77
Power Drill -Hand Operated -Hire charges	0.771	Hrs	121.00	1	Hour	93.29
Power charges for Motors 1%						895.64
Labour charges per 1 sqm	0.01		895.64			8.96
						904.59
d) Labour charges for aluminium partitions partly glazed (S.No.8 of Page No. 394 of SoR 2011-12)						
1st class carpenter	0.434	Nos.	705.00		Each	305.97
2nd class carpenter	0.434	Nos.	565.00		Each	245.21
Power Saw Cutter -Hand Operated -Operator	0.043	Nos.	705.00		Each	30.32
Power Drill -Hand Operated -Operator	0.058	Nos.	705.00		Each	40.89
Mazdoor(Unskilled)	0.145	Nos.	525.00		Each	76.13
Non-technical work inspector	0.072	Nos.	685.00		Each	49.32
Add for MA @ 20%	0.20		747.83			149.57
C.Machinery						
Power Saw Cutter -Hand Operated -Hire charges	0.347	Hrs	132.00	1	Hour	45.80
Power Drill -Hand Operated -Hire charges	0.463	Hrs	121.00	1	Hour	56.02
Power charges for Motors 1%						999.22
Labour charges per 1 sqm	0.01		999.22			9.99
						1009.22
e) Labour charges for aluminium casement windows (S.No.9 of Page No. 394 of SoR 2011-12)						
1st class carpenter	0.100	Nos.	705.00		Each	70.50
2nd class carpenter	0.300	Nos.	565.00		Each	169.50
Power Saw Cutter -Hand Operated -Operator	0.100	Nos.	705.00		Each	70.50
Power Drill -Hand Operated -Operator	0.100	Nos.	705.00		Each	70.50
Mazdoor(Unskilled)	0.300	Nos.	525.00		Each	157.50
Non-technical work inspector	0.100	Nos.	685.00		Each	68.50

Joinery data

	Add for MA @ 20%	0.20		607.00			121.40
	C.Machinery						
	Power Saw Cutter -Hand Operated -Hire charges	0.800	Hrs	132.00	1	Hour	105.60
	Power Drill -Hand Operated -Hire charges	0.800	Hrs	121.00	1	Hour	96.80
							930.80
	Power charges for Motors 1%	0.01		930.80			9.31
	Labour charges per 1 sqm						940.11
1	Supply and fixing of two shutter main door cum fixed window as per approved drawing with best teak wood frame of section 150mm x 100 mm with fixed fan light of 500mm at top and fixed panels of 600mm width at sides fixed with 12mm thick Tinted - Bronze/Green glass using 12mm x 12mm teak wood beading and fixing ornamental grill made of 25mm x 5mm MS flats as per the approved drawing in fan light portion and fixed panels and 1st class teak wood top and middle rails & styles of section 120mm x 35mm, bottom rail of size 150mm x 35mm and 12mm thick plain float glass for shutter with ornamental etching including cost and conveyance to site of teak wood frame, shutters, glass including supply and fixing 6 nos MS Zhold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked brass fixtures of 8 Nos butt hinges(IS:205) 250mm long , 1 No. aldrop (IS:2681) 450mm long, 3 Nos tower bolts- 10mm (IS:204) of 200 mm long , 2 Nos 450 mm long fancy handles, 2 Nos door stoppers including fixing the fixtures to door with required number of screws, bolt and nuts including labour charges for fixing the frame in position, fixing the shutters to the frame, fixing glass in fan light portion etc., including overheads & contractors profit complete for finished item of work as per APSS 1001 & 1002 (The vertical frame of door shall be embedded in flooring for a depth of not less than 40 mm) (3000mmX2600mm)						
	Quantity analysis	Size :	3.00m x 2.60m			7.80	sqm
		2x3.00 + 2x2.60+2x2.10					
		= 15.40 RM x 0.15 x 0.10			0.2310	Cum	
	Best teak wood frame up to 2m long for outer frame	3x0.50+4x0.60					
		= 3.90 RM x 0.15 x 0.10			0.0585	Cum	
	Shutter styles	2 x 2 x 2.10					
		= 8.40 RM x 0.12 x 0.035			0.0353	Cum	
	Top and middle rail	2 x 2 x 0.90					
		= 3.60 RM x 0.12 x 0.035			0.0151	Cum	
	Bottom rail	2 x 0.90					
		= 1.80 RM x 0.15 x 0.035			0.0095	Cum	
					0.1184	Cum	
	12 mm thick tinted glass	3.00x0.50+2x0.60x2.10			4.02	Sqm	
	12 mm thick plain float glass	2x0.90x2.10			3.78	Sqm	
	Teak wood beading						
	Fan light portion	2x2(0.60+0.50)+2x2(0.90+0.50)			10.00	RM	
	Side fixed panels	2x6(0.60+0.70)			15.60	RM	
	Shutter portion	2x2(0.90+2.10)			12.00	RM	
					37.60	RM	
	Cost analysis						
	Cost of best TW frame 2 m to 3m length	0.2310	Cum	142480.00	1	Cum	32912.88
	Cost of best TW frame up to 2 m length	0.1184	Cum	134500.00	1	Cum	15924.80
	Cost of 12mm thick tinted glass	4.02	Sqm	1800.00	1	Sqm	7236.00
	Cost of 12mm thick plain float glass	3.78	Sqm	1375.00	1	Sqm	5197.50
	Cost of teak wood beading	37.60	RM	24.00	1	RM	902.40
	Cost of 250mm long brass butt hinges	8	Nos	500.00			
	Cost of 450mm long brass fancy handles	2	Nos	1600.00		Each	4000.00
	Cost of 450mm long brass heavy duty aldrop	1	No	3255.00		Each	3200.00
	Cost of 200mm long brass tower bolts	3	Nos	350.00		Each	3255.00
	Cost of brass door stoppers	2	Nos	185.00		Each	1050.00
	Cost of Z hold fasts	6	Nos	25.00		Each	370.00
	Cost of MS Ornamental Grill	4.02	Sqm	2261.94		Each	150.00
	Labour charges	0.3494	Cum	15363.90	1	Sqm	9093.02
	Add for MA @ 20%	0.20		5368.15	1	Cum	5368.15
	Labour charges for fixing glass	7.80	Sqm	315.00			1073.63
	Add for MA @ 20%	0.20		2457.00	1	Sqm	2457.00
	Labour charges for glass designing work(Etching	3.78	Sqm	1051.00	1	Sqm	3972.78

	Add for MA @ 20%		0.20		3972.78			794.56
	Add for screws and nails							11.83
	Rate for 7.80 Sqm							97460.94
	Rate for 1 Sqm							12494.99
	Overheads & Contractors Profit @13.615%		0.13615		12494.99			1701.19
								14196.19
							Say	14196
2	Supply and fixing of ornamental grill made of 25mm x 5mm MS flats for fixing in fan light portion and side fixed pa							
	for grill of size 535mm x 435mm							
	MS flats: 4(0.535+0.435)+4x0.1+2x0.38		5.04	RM	1 Kg/Rm		0.2327	Sqm
	Cost of MS flats		5.04	Kgs	62000.00	1000	5.04	Kgs
	Labour charges for fabrication		5.04	Kgs	30.00	1		312.48
	labour charges for fixing in position		5.04	Kgs	6.00	1		151.20
	Add for MA @ 20%		0.20		90.72			30.24
	Painting with red oxide		0.2327	Sqm	616.48	10		18.14
	Rate per 0.2327 Sqm							14.35
	Rate per 1 Sqm							526.41
								2261.94
	Painting with Red oxide							
	Cost of red oxide		0.70	Ltr	145.00	1		101.50
	Painter 1st class		0.21	Nos.	705.00	1		148.05
	Painter 2st class		0.49	Nos.	565.00	1		276.85
	Sundries including brushes, ladders etc., @ 1%		0.01		424.90			4.25
	Add for MA @ 20%		0.20		429.15			85.83
								616.48
3	Supply and fixing of doors as per approved drawings with best teak wood frame of section 100mm x 65 mm with fixed fan light of 500mm at the top fixed with 4mm thick pin headed glass using 12mm x 12mm Teak Wood beading and 2 Nos. of 10mm MS Square bars and ISI marked flush door shutter of 35mm thick double shutters with bond wood solid block board type core having cross bands and face veneers, hot pressed bonded with water proof phenol formaldehyde synthetic resin factory made conforming to IS 2202-1991 (Part-I) both sides commercial ply with internal lining on all sides							
	including cost and conveyance to site of teak wood frame, flush shutter including supply and fixing 6 nos MS Z hold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked brass fixtures of 6 Nos butt hinges (IS:205) 150mm long, 1 No. aldrip (IS:2681) 300mm long, 2 Nos tower bolts- 10mm (IS:204) of 200 mm long at top, 1 No. tower bolt- 10mm bolt (IS:204) 150mm long at bottom, 2 Nos. 150mm long fancy handles (IS:208), 2 Nos door stopper and 2 Nos rubber bushes including fixing the fixtures to door with required number of screws, bolt and nuts including labour charges for fixing the frame in position, fixing the shutter to the frame, fixing glass in fan light portion etc., including overheads & contractors profit complete for finished item of work as per APSS 1001 & 1002 The vertical frame of door shall be embedded in flooring for a depth of not less than 10 mm) (2000mm x 2600mm)							
	(BLD-CSTN-13-16)							
	Size :		2.00m x 2.60 m				5.20	sqm
	Quantity analysis							
	Outer frame - Vertical		2 x 2.61					
			= 5.22 x 0.10 x 0.065				0.03393	cum
	Outer frame - Horizontal		2 x 2.00 + 0.50					
			= 4.50 x 0.10 x 0.065				0.02925	cum
							0.06318	cum
	4 mm thick pin headed glass		2 x 1.00 x 0.50				1.00	sqm
	Teak wood beading		2 x 2 (1.00+0.50)				6.00	RM
	35 mm thick flush shutter		2 x 0.95 x 2.05				3.895	sqm
	10 mm MS square bars		2 x 2.00 x 0.785				3.140	Kgs
	Cost analysis							
	Cost of best TW frame 2 m to 3m length		0.03393	cum	142480.00	1	cum	4834.35
	Cost of best TW frame up to 2 m length		0.02925	cum	134500.00	1	cum	3934.13
	Cost of 4 mm thick pin headed glass		1.00	sqm	370.00	1	sqm	370.00
	Cost of TW beading		6.00	RM	24.00	1	RM	144.00
	Cost of 35 mm thick flush shutter		3.895	sqm	1529.00	1	sqm	5955.46

Joinery data

	Cost of MS Z hold fasts	6 Nos.	25.00	Each	150.00
	Cost of brass tower bolt 200mm long	2 Nos.	350.00	Each	700.00
	Cost of brass tower bolt 150mm long	1 No.	255.00	Each	255.00
	Cost of brass Butt hinges 150mm long	6 Nos.	356.00	Each	2136.00
	Cost of brass aldrop 300mm long	1 No.	1195.00	Each	1195.00
	Cost of brass fancy handle 150mm long	2 Nos.	328.00	Each	656.00
	Cost of brass door stopper	2 Nos.	185.00	Each	370.00
	Cost of rubber bush	2 Nos.	25.00	Each	50.00
	Cost of 10mm MS square bars	3.14 Kgs	63000.00	1000 Kgs	197.82
	Labour charges for frame work	0.06318 cum	15363.90	1 cum	970.69
	Add for MA @ 20%	0.20	970.69		194.14
	Labour charges for fixing flush door shutter to the	3.895 sqm	421.00	1 sqm	1639.80
	Add for MA @ 20%	0.20	1639.80		327.96
	Labour charges for fixing glass	1.00 sqm	315.00	1 sqm	315.00
	Add for MA @ 20%	0.20	315.00		63.00
	Add for nails & screws etc.				6.71
	Rate for 5.20 sqm				24465.04
	Overheads&Contractors Profit @13.615%	0.13615	24465.04		3330.92
					27795.96
	Rate for 1 sqm				5345.38
				Say	5345
4	Supply and fixing of doors as per approved drawings with medium teak wood frame of section 100mm x 65 mm with fixed fan light of 500mm at the top fixed with 4mm thick pin headed glass using 12mm x 12mm Teak Wood beading and 2 Nos. of 10mm MS Square bars and ISI marked flush door shutter of 30mm thick double shutters with bond wood solid block board type core having cross bands and face veneers, hot pressed bonded with water proof phenol formaldehyde synthetic resin factory made conforming to IS 2202-1991 (Part-I) both sides commercial ply with internal lipping on all sides				
	including cost and conveyance to site of teak wood frame, flush shutter including supply and fixing 6 Nos. MS Z hold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked MS powder coated fixtures of 6 Nos. butt hinges (IS:205) 150mm long, 1 No. aldrop (IS:2681) 300mm long, 2 Nos. tower bolts - 10mm (IS:204) of 200 mm long at top, 2 Nos. 150mm long handles (IS:208), 2 Nos. door stoppers and 2 Nos. rubber bushes including fixing the fixtures to door with required number of screws, bolt and nuts including labour charges for fixing the frame in position, fixing the shutter to the frame, fixing glass in fan light portion etc., including overheads & contractors profit complete for finished item of work as per APSS 1001 & 1002 The vertical frame of door shall be embedded in flooring for a depth of not less than 10 mm) (1800mm x 2600mm)				
	(BLD-CSTN-13-16)	Size :	1.80m x 2.60m		4.68 sqm
	Quantity analysis				
	Outer frame - Vertical	2 x 2.61			
		= 5.22 x 0.10 x 0.065		0.03393	cum
	Outer frame - Horizontal	2 x 1.80 + 0.50			
		= 4.10 x 0.10 x 0.065		0.02665	cum
				0.06058	cum
	4 mm thick pin headed glass	1.80 x 0.50		0.90	sqm
	Teak wood beading	2 x 2 (0.90+0.50)		5.60	RM
	30 mm thick flush shutter	2 x 0.85 x 2.05		3.485	sqm
	10 mm MS square bars	2 x 1.80 x 0.785		2.826	Kgs
	Cost analysis				
	Cost of medium TW frame 2 m to 3m length	0.03393 cum	92130.00	1 cum	3125.97
	Cost of medium TW frame up to 2 m length	0.02665 cum	81950.00	1 cum	2183.97
	Cost of 4 mm thick pin headed glass	0.90 sqm	370.00	1 sqm	333.00
	Cost of TW beading	5.60 RM	24.00	1 rm	134.40
	Cost of 30 mm thick flush shutter	3.485 sqm	1400.00	1 sqm	4879.00
	Cost of MS Z hold fasts	6 Nos.	25.00	Each	150.00
	Cost of MS powder coated tower bolt 200mm long	2 Nos.	56.00	Each	112.00
	Cost of MS powder coated butt hinges 150mm long	6 Nos.	39.00	Each	234.00
	Cost of MS powder coated aldrop 300mm long	1 No.	154.00	Each	154.00
	Cost of MS powder coated handle 150mm long	2 Nos.	49.00	Each	98.00
	Cost of MS powder coated door stopper	2 Nos.	45.00	Each	90.00

	Cost of rubber bush	2 Nos.	25.00	Each	50.00
	Cost of 10mm MS square bars	2.826 Kgs	63000.00	1000 Kgs	178.04
	Labour charges for frame work	0.06058 cum	15363.90	1 cum	930.75
	Add for MA @ 20%	0.20	930.75		186.15
	Labour charges for fixing flush door shutter to the	3.485 sqm	421.00	1 sqm	1467.19
	Add for MA @ 20%	0.20	1467.19		293.44
	Labour charges for fixing glass	0.90 sqm	315.00	1 sqm	283.50
	Add for MA @ 20%	0.20	283.50		56.70
	Add for nails & screws etc.				4.59
	Rate for 4.68 sqm				14944.68
	Overheads&Contractors Profit @13.615%	0.13615	14944.68		2034.72
					16979.40
	Rate for 1 sqm				3628.08
				Say	3628
5	Supply and fixing of doors as per approved drawings with medium teak wood frame of section 100mm x 65 mm with split type fan light of 500mm at the top fixed with 4mm thick pin headed glass using 12mm x 12mm Teak Wood beading and 2 Nos. of 10mm MS Square bars and ISI marked flush door shutter of 30mm thick double shutters with bond wood solid block board type core having cross bands and face veneers, hot pressed bonded with water proof phenol formaldehyde synthetic resin factory made conforming to IS 2202-1991 (Part-I) both sides commercial ply with internal lipping on all sides,				
	including cost and conveyance to site of teak wood frame, flush shutter including supply and fixing 6 Nos. MS Z hold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked MS powder coated fixtures of 6 Nos. butt hinges (IS:205) 150mm long, 1 No. aldrop (IS:2681) 300mm long, 2 Nos. tower bolts (IS:204) of 200 mm x 10 mm dia at top, 2 Nos. 150mm long handles (IS:208), 2 Nos. door stoppers and 2 Nos. rubber bushes including fixing the fixtures to door with required number of screws, bolt and nuts including labour charges for fixing the frame in position, fixing the shutter to the frame, fixing glass in fan light portion etc., including overheads & contractors profit complete for finished item of work as per APSS 1001 & 1002 (The vertical frame of door shall be embedded in flooring for a depth of not less than 10 mm) (1500mm x 2600mm)				
	(BLD-CSTN-13-16)	Size :	1.50m x 2.60m		3.90 sqm
	Quantity analysis				
	Outer frame - Vertical	2 x 2.61			
		= 5.22 x 0.10 x 0.065		0.03393 cum	
	Outer frame - Horizontal	2 x 1.50 + 0.50			
		= 3.50 x 0.10 x 0.065		0.02275 cum	
				0.05668 cum	
	4 mm thick pin headed glass	2 x 1.50 x 0.30		0.90 sqm	
	Teak wood beading	2 x 2 (1.50+2 x 0.30)		8.40 RM	
	30 mm thick flush shutter	2 x 0.70 x 2.05		2.87 sqm	
	10 mm MS square bars	2 x 1.50 x 0.785		2.355 Kgs	
	Cost analysis				
	Cost of medium TW frame 2 m to 3m length	0.03393 cum	92130.00	1 cum	3125.97
	Cost of medium TW frame up to 2 m length	0.02275 cum	81950.00	1 cum	1864.36
	Cost of 4 mm thick pin headed glass	0.90 sqm	370.00	1 sqm	333.00
	Cost of TW beading	8.40 RM	24.00	1 rm	201.60
	Cost of 30 mm thick flush shutter	2.87 sqm	1400.00	1 sqm	4018.00
	Cost of MS Z hold fasts	6 Nos.	25.00	Each	150.00
	Cost of MS poder coated tower bolt 200mm long	2 Nos.	56.00	Each	112.00
	Cost of MS powder coated butt hinges 150mm lon	6 Nos.	39.00	Each	234.00
	Cost of MS powder coated aldrop 300mm long	1 No.	154.00	Each	154.00
	Cost of MS powder coated handle 150mm long	2 Nos.	49.00	Each	98.00
	Cost of MS powder coated door stopper	2 Nos.	45.00	Each	90.00
	Cost of rubber bush	2 Nos.	25.00	Each	50.00
	Cost of 10mm MS square bars	2.355 Kgs	63000.00	1000 Kgs	148.37
	Labour charges for frame work	0.05668 cum	15363.90	1 cum	870.83
	Add for MA @ 20%	0.20	870.83		174.17
	Labour charges for fixing flush door shutter to the	2.87 sqm	421.00	1 sqm	1208.27
	Add for MA @ 20%	0.20	1208.27		241.65

	Labour charges for fixing glass	0.90	sqm	315.00	1	sqm	283.50
	Add for MA @ 20%	0.20		283.50			56.70
	Add for nails & screws etc.						2.69
	Rate for 3.90 sqm						13417.10
	Overheads&Contractors Profit @13.615%	0.13615		13417.10			1826.74
							15243.84
	Rate for 1 sqm						3908.68
						Say	3909
6	Supply and fixing of doors as per approved drawings with medium teak wood frame of section 100mm x 65 mm with split type fan light of 500mm at the top fixed with 4mm thick pin headed glass using 12mm x 12mm Teak Wood beading and 2 Nos. of 10mm MS Square bars and ISI marked flush door shutter of 30mm thick double shutters with bond wood solid block board type core having cross bands and face veneers, hot pressed bonded with water proof phenol formaldehyde synthetic resin factory made conforming to IS 2202-1991 (Part-I) both sides						
	including cost and conveyance to site of teak wood frame, flush shutter including supply and fixing 6 Nos. MS Z hold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked MS powder coated fixtures of 6 Nos. butt hinges (IS:205) 150mm long, 1 No. aldop (IS:2681) 300mm long, 2 Nos. tower bolts (IS:204) of 200 mm x 10 mm dia at top, 2 Nos. 150mm long handles (IS:208), 2 Nos. door stoppers and 2 Nos. rubber bushes including fixing the fixtures to door with required number of screws, bolt and nuts including labour charges for fixing the frame in position, fixing the shutter to the frame, fixing glass in fan light portion etc, including overheads & contractors profit complete for finished item of work as per APSS 1001 & 1002 (The vertical frame of door shall be embedded in flooring for a depth of not less than 10 mm) (1200mm x 2600mm)						
	(BLD-CSTN-13-16)						
	Size :		1.20m x 2.60m			3.12	sqm
	Quantity analysis						
	Outer frame - Vertical	2 x 2.61					
		= 5.22 x 0.10 x 0.065				0.03393	cum
	Outer frame - Horizontal	2 x 1.20 + 0.50					
		= 2.90 x 0.10 x 0.065				0.01885	cum
						0.05278	cum
	4 mm thick pin headed glass	2 x 1.20 x 0.30				0.72	sqm
	Teak wood beading	2 x 2 (1.20+2 x 0.30)				7.20	RM
	30 mm thick flush shutter	2 x 0.55 x 2.05				2.255	sqm
	10 mm MS square bars	2 x 1.20 x 0.785				1.884	Kgs
	Cost analysis						
	Cost of medium TW frame 2 m to 3m length	0.03393	cum	92130.00	1	cum	3125.97
	Cost of medium TW frame up to 2 m length	0.01885	cum	81950.00	1	cum	1544.76
	Cost of 4 mm thick pin headed glass	0.72	sqm	370.00	1	sqm	266.40
	Cost of TW beading	7.20	RM	24.00	1	rm	172.80
	Cost of 30 mm thick flush shutter	2.255	sqm	1400.00	1	sqm	3157.00
	Cost of MS Z hold fasts	6	Nos.	25.00		Each	150.00
	Cost of MS powder coated tower bolt 200mm long	2	Nos.	56.00		Each	112.00
	Cost of MS powder coated butt hinges 150mm long	6	Nos.	39.00		Each	234.00
	Cost of MS powder coated aldop 300mm long	1	No.	154.00		Each	154.00
	Cost of MS powder coated handle 150mm long	2	Nos.	49.00		Each	98.00
	Cost of MS powder coated door stopper	2	Nos.	45.00		Each	90.00
	Cost of rubber bush	2	Nos.	25.00		Each	50.00
	Cost of 10mm MS square bars	1.884	Kgs	63000.00	1000	Kgs	118.69
	Labour charges for frame work	0.0528	cum	15363.90	1	cum	810.91
	Add for MA @ 20%	0.20		810.91			162.18
	Labour charges for fixing flush door shutter to the	2.255	sqm	421.00	1	sqm	949.36
	Add for MA @ 20%	0.20		949.36			189.87
	Labour charges for fixing glass	0.72	sqm	315.00	1	sqm	226.80
	Add for MA @ 20%	0.20		226.80			45.36
	Add for nails & screws etc.						4.88
	Rate for 3.12 sqm						11662.97
	Overheads&Contractors Profit @13.615%	0.13615		11662.97			1587.91
							13250.89
	Rate for 1 sqm						4247.08

						Say	4247
7	Supply and fixing of doors as per approved drawings with medium teak wood frame of section 100mm x 65 mm with split type fan light of 500mm at the top fixed with 4mm thick pin headed glass using 12mm x 12mm Teak Wood beading and 2 Nos. of 10mm MS Square bars and ISI marked flush door shutter of 30mm thick single shutter with bond wood solid block board type core having cross bands and face veneers, hot pressed bonded with water proof phenol formaldehyde synthetic resin factory made conforming to IS 2202-1991 (Part-I) both sides shutter including supply and fixing						
	6 Nos. MS Z hold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked MS powder coated fixtures of 3 Nos. butt hinges (IS:205) 150mm long , 1 No. aldrop (IS:2681) 300mm long, 1 No. tower bolt (IS:204) of 200 mm x 10 mm dia at top, 2 Nos. 150mm long handles (IS:208), 1 No. door stopper and 1 No. rubber bush including fixing the fixtures to door with required number of screws, bolt and nuts including labour charges for fixing the frame in position, fixing the shutter to the frame, fixing glass in fan light portion etc, including overheads & contractors profit complete for finished item of work as per APSS 1001 & 1002 (The vertical frame of door shall be embedded in flooring for a depth of not less than 10 mm) (1000mm x 2600mm)						
	(BLD-CSTN-13-16)						
		Size :	1.00m x 2.60m			2.60	sqm
	Quantity analysis						
	Outer frame - Vertical	2 x 2.61					
		= 5.22 x 0.10 x 0.065				0.03393	cum
	Outer frame - Horizontal	2 x 1.00					
		= 2.00 x 0.10 x 0.065				0.01300	cum
						0.04693	cum
	4 mm thick pin headed glass	2 x 1.00 x 0.30				0.60	sqm
	Teak wood beading	2 x (1.00+2 x 0.30)				3.20	RM
	30 mm thick flush shutter	2 x 0.90 x 2.05				1.845	sqm
	10 mm MS square bars	2 x 1.00 x 0.785				1.570	Kgs
	Cost analysis						
	Cost of medium TW frame 2 m to 3m length	0.03393	cum	92130.00	1	cum	3125.97
	Cost of medium TW frame up to 2 m length	0.0130	cum	81950.00	1	cum	1065.35
	Cost of 4 mm thick pin headed glass	0.60	sqm	370.00	1	sqm	222.00
	Cost of TW beading [2x2 (1.00+2x0.30)]	3.20	RM	24.00	1	rm	76.80
	Cost of 30 mm thick flush shutter	1.845	sqm	1400.00	1	sqm	2583.00
	Cost of MS Z hold fasts	6	Nos.	25.00		Each	150.00
	Cost of MS powder coated tower bolt 200mm long	1	No.	56.00		Each	56.00
	Cost of MS powder coated butt hinges 150mm long	3	Nos.	39.00		Each	117.00
	Cost of MS powder coated aldrop 300mm long	1	No.	154.00		Each	154.00
	Cost of MS powder coated handle 150mm long	2	Nos.	49.00		Each	98.00
	Cost of MS powder coated door stopper	1	No.	45.00		Each	45.00
	Cost of rubber bush	1	No.	25.00		Each	25.00
	Cost of 10mm MS square bars	1.57	Kgs	63000.00	1000	Kgs	98.91
	Labour charges for frame work	0.0469	cum	15363.90	1	cum	721.03
	Add for MA @ 20%	0.20		721.03			144.21
	Labour charges for fixing flush door shutter to the	1.845	sqm	421.00	1	sqm	776.75
	Add for MA @ 20%	0.20		776.75			155.35
	Labour charges for fixing glass	0.60	sqm	315.00	1	sqm	189.00
	Add for MA @ 20%	0.20		189.00			37.80
	Add for nails & screws etc.						2.48
	Rate for 2.60 sqm						9843.64
	Overheads&Contractors Profit @13.615%	0.13615		9843.64			1340.21
							11183.85
							4301.48
	Rate for 1 sqm					Say	4301

Joinery data

8	Supply and fixing of doors as per approved drawings with medium teak wood frame of section 100mm x 65 mm with split type fan light of 500mm at the top fixed with 4mm thick pin headed glass using 12mm x 12mm Teak Wood beading and 2 Nos. of 10mm MS Square bars and ISI marked flush door shutter of 30mm thick single shutter with bond wood solid block board type core having cross bands and face veneers, hot pressed bonded with water proof phenol formaldehyde synthetic resin factory made conforming to IS 2202-1991 (Part-I) both sides commercial ply with internal lipping on all sides including cost and conveyance to site of teak wood frame, flush shutter including supply and fixing					
	6 Nos. MS Z hold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked MS powder coated fixtures of 3 Nos. butt hinges (IS:205) 150mm long , 1 No. aldop (IS:2681) 300mm long, 1 No. tower bolt (IS:204) of 200 mm x 10 mm dia at top, 2 Nos. 150mm long handles (IS:208), 1 No. door stopper and 1 No. rubber bush including fixing the fixtures to door with required number of screws, bolt and nuts including labour charges for fixing the frame in position, fixing the shutter to the frame, fixing glass in fan light portion etc, including overheads & contractors profit complete for finished item of work as per APSS 1001 & 1002 (The vertical frame of door shall be embedded in flooring for a depth of not less than 10 mm) (900mm x 2600mm)					
	(BLD-CSTN-13-16)					
		Size :	0.90m x 2.60m		2.34	sqm
	Quantity analysis					
	Outer frame - Vertical	2 x 2.61				
		= 5.22 x 0.10 x 0.065			0.03393	cum
	Outer frame - Horizontal	2 x 0.90				
		= 1.80 x 0.10 x 0.065			0.01170	cum
					0.04563	cum
	4 mm thick pin headed glass	2 x 0.90 x 0.30			0.54	sqm
	Teak wood beading	2 x (0.90+2 x 0.30)			3.00	RM
	30 mm thick flush shutter	2 x 0.80 x 2.05			1.64	sqm
	10 mm MS square bars	2 x 0.90 x 0.785			1.413	Kgs
	Cost analysis					
	Cost of medium TW frame 2 m to 3m length	0.03393	cum	92130.00	1	cum 3125.97
	Cost of medium TW frame up to 2 m length	0.0117	cum	81950.00	1	cum 958.82
	Cost of 4 mm thick pin headed glass	0.54	sqm	370.00	1	sqm 199.80
	Cost of TW beading [2x2 (1.00+2x0.30)]	3.00	RM	24.00	1	rm 72.00
	Cost of 30 mm thick flush shutter	1.640	sqm	1400.00	1	sqm 2296.00
	Cost of MS Z hold fasts	6	Nos.	25.00		Each 150.00
	Cost of MS powder coated tower bolt 200mm long	1	No.	56.00		Each 56.00
	Cost of MS powder coated butt hinges 150mm long	3	Nos.	39.00		Each 117.00
	Cost of MS powder coated aldop 300mm long	1	No.	154.00		Each 154.00
	Cost of MS powder coated handle 150mm long	2	Nos.	49.00		Each 98.00
	Cost of MS powder coated door stopper	1	No.	45.00		Each 45.00
	Cost of rubber bush	1	No.	25.00		Each 25.00
	Cost of 10mm MS square bars	1.413	Kgs	63000.00	1000	Kgs 89.02
	Labour charges for frame work	0.0456	cum	15363.90	1	cum 701.05
	Add for MA @ 20%	0.20		701.05		140.21
	Labour charges for fixing flush door shutter to the	1.640	sqm	421.00	1	sqm 690.44
	Add for MA @ 20%	0.20		690.44		138.09
	Labour charges for fixing glass	0.54	sqm	315.00	1	sqm 170.10
	Add for MA @ 20%	0.20		170.10		34.02
	Add for nails & screws etc.					1.74
	Rate for 2.34 sqm					9262.26
	Overheads&Contractors Profit @13.615%	0.13615		9262.26		1261.06
	Rate for 1 sqm					10523.32
						4497.14
					Say	4497
9	Supply and fixing doors as per drawings with medium teak wood frame of section 100mm x 65 mm and ISI marked					

supply and fixing 6 Nos. MS Z hold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked MS powder coat

(BLD-CSTN-13-16)

Size : 2.00m x 2.10m 4.20 Sqm

Quantity analysis

Outer frame - Vertical

2 x 2.11

= 4.22 x 0.10 x 0.065

0.02743 cum

Outer frame - Horizontal

1 x 2.00

= 2.00 x 0.10 x 0.065

0.01300 cum

0.04043 cum

30 mm thick flush shutter

2 x 0.95 x 2.05

3.895 sqm

Cost of medium TW frame 2 m to 3m length

0.02743 cum

92130.00

1 cum

2527.13

Cost of medium TW frame up to 2 m length

0.01300 cum

81950.00

1 cum

1065.35

Cost of 30 mm thick flush shutter

3.895 sqm

1400.00

1 sqm

5453.00

Cost of MS Z hold fasts

6 Nos.

25.00

Each

150.00

Cost of MS powder coated tower bolt 200mm long

2 Nos.

56.00

Each

112.00

Cost of MS powder coated butt hinges 150mm long

6 Nos.

39.00

Each

234.00

Cost of MS powder coated aldrop 300mm long

1 No.

154.00

Each

154.00

Cost of MS powder coated handle 150mm long

2 Nos.

49.00

Each

98.00

Cost of MS powder coated door stopper

2 Nos.

45.00

Each

90.00

Cost of rubber bush

2 Nos.

25.00

Each

50.00

Labour charges for fixing flush door shutter to the

3.895 sqm

421.00

1 sqm

1639.80

Add for MA @ 20%

0.20

1639.80

327.96

Add for nails & screws etc.

3.32

Rate for 4.20 sqm

11904.55

Rate for 1 sqm

2834.42

Overheads & Contractors Profit @13.615%

0.13615

2834.42

385.91

Rate for 1 sqm

3220.32

Say

3220

10 Supply and fixing doors as per drawings with medium teak wood frame of section 100mm x 65 mm and ISI marked

supply and fixing 6 Nos. MS Z hold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked MS powder coat

(BLD-CSTN-13-16)

Size : 1.80m x 2.10m 3.78 Sqm

Quantity analysis

Outer frame - Vertical

2 x 2.11

= 4.22 x 0.10 x 0.065

0.02743 cum

Outer frame - Horizontal

1 x 1.80

= 1.80 x 0.10 x 0.065

0.01170 cum

0.03913 cum

30 mm thick flush shutter

2 x 0.85 x 2.05

3.485 sqm

Cost of medium TW frame 2 m to 3m length

0.0274 cum

92130.00

1 cum

2527.13

Joinery data

	Cost of medium TW frame up to 2 m length	0.0117	cum	81950.00	1	cum	958.82
	Cost of 30 mm thick flush shutter	3.485	sqm	1400.00	1	sqm	4879.00
	Cost of MS Z hold fasts	6	Nos.	25.00		Each	150.00
	Cost of MS powder coated tower bolt 200mm long	2	Nos.	56.00		Each	112.00
	Cost of MS powder coated butt hinges 150mm long	6	Nos.	39.00		Each	234.00
	Cost of MS powder coated aldop 300mm long	1	No.	154.00		Each	154.00
	Cost of MS powder coated handle 150mm long	2	Nos.	49.00		Each	98.00
	Cost of MS powder coated door stopper	2	Nos.	45.00		Each	90.00
	Cost of Rubber bush	2	Nos.	25.00		Each	50.00
	Labour charges for frame work	0.03913	cum	15363.90	1	cum	601.19
	Add for MA @ 20%	0.20		601.19			120.24
	Labour charges for fixing flush door shutter to the	3.49	sqm	421.00	1	sqm	1467.19
	Add for MA @ 20%	0.20		1467.19			293.44
	Add for nails & screws etc.						5.45
	Rate for 3.78 sqm						11740.44
	Rate for 1 sqm						3105.94
	Overheads&Contractors Profit @13.615%	0.13615		3105.94			422.87
	Rate for 1 sqm						3528.81
						Say	3529
11	Supply and fixing doors as per drawings with medium teak wood frame of section 100mm x 65 mm and ISI marked						
	supply and fixing 6 Nos. MS Z hold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked MS powder coa						
	(BLD-CSTN-13-16)						
	Size :	1.50m x 2.10m			3.15	Sqm	
	Quantity analysis						
	Outer frame - Vertical	2 x 2.11					
		= 4.22 x 0.10 x 0.065			0.02743	cum	
	Outer frame - Horizontal	1 x 1.50					
		= 1.50 x 0.10 x 0.065			0.00975	cum	
					0.03718	cum	
	30 mm thick flush shutter	2 x 0.70 x 2.05			2.87	sqm	
	Cost of medium TW frame 2 m to 3m length	0.02743	cum	92130.00	1	cum	2527.13
	Cost of medium TW frame up to 2 m length	0.00975	cum	81950.00	1	cum	799.01
	Cost of 30 mm thick flush shutter	2.87	sqm	1400.00	1	sqm	4018.00
	Cost of MS Z hold fasts	6	Nos.	25.00		Each	150.00
	Cost of MS powder coated tower bolt 200mm long	2	Nos.	56.00		Each	112.00
	Cost of MS powder coated butt hinges 150mm long	6	Nos.	39.00		Each	234.00
	Cost of MS powder coated aldop 300mm long	1	No.	154.00		Each	154.00
	Cost of MS powder coated handle 150mm long	2	Nos.	49.00		Each	98.00
	Cost of MS powder coated door stopper	2	Nos.	45.00		Each	90.00
	Cost of rubber bush	2	Nos.	25.00		Each	50.00
	Labour charges for frame work	0.03718	cum	15363.90	1	cum	571.23
	Add for MA @ 20%	0.20		571.23			114.25
	Labour charges for fixing flush door shutter to the	2.87	sqm	421.00	1	sqm	1208.27
	Add for MA @ 20%	0.20		1208.27			241.65

13

	fixing 6 Nos. MS Z hold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked MS powder coated fixtures					
	(BLD-CSTN-13-16)					
		Size :	1.00m x 2.10m		2.10	sqm
	Quantity analysis					
	Outer frame - Vertical	2 x 2.11				
		= 4.22 x 0.10 x 0.065			0.02743	cum
	Outer frame - Horizontal	1 x 1.00				
		= 1.00 x 0.10 x 0.065			0.00650	cum
					0.03393	cum
	30 mm thick flush shutter	0.90 x 2.05			1.845	sqm
	Cost analysis					
	Cost of medium TW frame 2 m to 3m length	0.02743	cum	92130.00	1	cum 2527.13
	Cost of medium TW frame up to 2 m length	0.00650	cum	81950.00	1	cum 532.68
	Cost of 30 mm thick flush shutter	1.845	sqm	1400.00	1	sqm 2583.00
	Cost of MS Z hold fasts	6	Nos.	25.00	Each	150.00
	Cost of MS powder coated tower bolt 200mm long	1	No.	56.00	Each	56.00
	Cost of MS powder coated butt hinges 150mm long	3	Nos.	39.00	Each	117.00
	Cost of MS powder coated aldrop 300mm long	1	No.	154.00	Each	154.00
	Cost of MS powder coated handle 150mm long	2	Nos.	49.00	Each	98.00
	Cost of MS powder coated door stopper	1	No.	45.00	Each	45.00
	Cost of rubber bush	1	No.	25.00	Each	25.00
	Labour charges for frame work	0.0339	cum	15363.90	1	cum 521.30
	Add for MA @ 20%	0.20		521.30		104.26
	Labour charges for fixing flush door shutter to the	1.845	sqm	421.00	1	sqm 776.75
	Add for MA @ 20%	0.20		776.75		155.35
	Add for nails & screws etc.					6.30
	Rate for 2.10 sqm					7851.75
	Overheads&Contractors Profit @13.615%	0.13615		7851.75		1069.02
						8920.77
	Rate for 1 sqm					4247.98
					Say	4248
14	Supply and fixing doors as per drawings with medium teak wood frame of section 100mm x 65 mm and ISI marked					
	fixing 6 Nos. MS Z hold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked MS powder coated fixtures					
	(BLD-CSTN-13-16)					
		Size :	0.90m x 2.10m		1.89	sqm
	Quantity analysis					
	Outer frame - Vertical	2 x 2.11				
		= 4.22 x 0.10 x 0.065			0.02743	cum
	Outer frame - Horizontal	1 x 0.90				
		= 0.90 x 0.10 x 0.065			0.00585	cum
					0.03328	cum

	30 mm thick flush shutter	0.80 x 2.05				1.64 sqm
	Cost analysis					
	Cost of medium TW frame 2 m to 3m length	0.02743 cum	92130.00	1 cum		2527.13
	Cost of medium TW frame up to 2 m length	0.00585 cum	81950.00	1 cum		479.41
	Cost of 30 mm thick flush shutter	1.64 sqm	1400.00	1 sqm		2296.00
	Cost of MS Z hold fasts	6 Nos.	25.00	Each		150.00
	Cost of MS powder coated tower bolt 200mm long	1 No.	56.00	Each		56.00
	Cost of MS powder coated butt hinges 150mm long	3 Nos.	39.00	Each		117.00
	Cost of MS powder coated aldop 300mm long	1 No.	154.00	Each		154.00
	Cost of MS powder coated handle 150mm long	2 Nos.	49.00	Each		98.00
	Cost of MS powder coated door stopper	1 No.	45.00	Each		45.00
	Cost of rubber bush	1 No.	25.00	Each		25.00
	Labour charges for frame work	0.03328 cum	15363.90	1 cum		511.31
	Add for MA @ 20%	0.20	511.31			102.26
	Labour charges for fixing flush door shutter to the	1.64 sqm	421.00	1 sqm		690.44
	Add for MA @ 20%	0.20	690.44			138.09
	Add for nails & screws etc.					4.78
	Rate for 1.89 sqm					7394.41
	Overheads & Contractors Profit @13.615%	0.13615	7394.41			1006.75
						8401.16
	Rate for 1 sqm					4445.06
					Say	4445
15	Supply and fixing doors as per drawings with medium teak wood frame of section 100mm x 65mm and ISI marked flush door shutter of 30mm thick single shutter with bond wood solid block board type Core having cross bands and face veneers, hot pressed bonded with water proof phenol formaldehyde synthetic resin factory made conforming to IS 2202-1991 (Part-I) both sides commercial ply with internal lipping on all sides including cost and conveyance to site of medium teak wood door frame, flush shutter, including suply and fixing 6 Nos. MS Z hold fasts of size 300mm x 40mm x 5mm including ISI marked MS powder coated fixtures 3 Nos. butt hinges (IS:205) of 150mm long, 1 No. aldop (IS:2681) 250 mm long,					
	1 No. tower bolt (IS:204) of 150 mm x 10mm dia, 2 Nos. 125mm long handles (IS:208), 1 No. rubber bush including supplying and fixing 1.20mm thick PVC sheet to full height of the shutter inside including labour charges for fixing the frame in position, fixing the shutter to the frame etc., including overheads & contractors profit complete for finished item of work as per APSS 1001 & 1002. (The vertical frame of door shall be embedded in flooring for deth of not less than 10mm) (800mm x 2100mm)					
	(BLD-CSTN-13-16)					
	Quantity analysis	Size :	0.80m x 2.10m			1.68 sqm
	Outer frame - Vertical	2 x 2.11				
		= 4.22 x 0.10 x 0.065			0.02743 cum	
	Outer frame - Horizontal	1 x 0.80				
		= 0.80 x 0.10 x 0.065			0.00520 cum	
					0.03263 cum	
	35 mm thick flush shutter	0.70 x 2.05			1.435 sqm	
	Cost analysis					
	Cost of medium TW frame 2 m to 3m length	0.02743 cum	92130.00	1 cum		2527.13
	Cost of medium TW frame up to 2 m length	0.00520 cum	81950.00	1 cum		426.14
	Cost of 30 mm thick flush shutter	1.435 sqm	1400.00	1 sqm		2009.00
	Cost of MS Z hold fasts	6 Nos.	25.00	Each		150.00
	Cost of MS powder coated tower bolt 150mm long	1 No.	38.50	Each		38.50
	Cost of MS powder coated butt hinges 150mm long	3 Nos.	39.00	Each		117.00
	Cost of MS powder coated aldop 250mm long	1 No.	129.00	Each		129.00
	Cost of MS powder coated handle 125mm long	1 No.	35.00	Each		35.00
	Cost of rubber bush	1 No.	25.00	Each		25.00
	Cost of 1.20mm thick PVC sheet	1.435 sqm	160.00	1 sqm		229.60
	Cost of Fevicol & labour charges for fixing PVC sh	1.435 sqm	75.00	1 sqm		107.63

Joinery data

	Labour charges for frame work	0.0326	cum	15363.90	1	cum	501.32
	Add for MA @ 20%	0.20		501.32			100.26
	Labour charges for fixing flush door shutter to the	1.435	sqm	421.00	1	sqm	604.14
	Add for MA @ 20%	0.20		604.14			120.83
	Add for nails & screws etc.						5.03
	Rate for 1.68 sqm						7125.57
	Overheads&Contractors Profit @13.615%	0.13615		7125.57			970.15
							8095.72
	Rate for 1 sqm						4818.88
					Say		4819
16	<p>Supply and fixing doors as per drawings with medium teak wood frame of section 100mm x 65mm and ISI marked flush door shutter of 30mm thick single shutter with bond wood solid block board type Core having cross bands and face veneers, hot pressed bonded with water proof phenol formaldehyde synthetic resin factory made conforming to IS 2202-1991 (Part-I) both sides commercial ply with internal lipping on all sides including cost and conveyance to site of medium teak wood door frame, flush shutter, including supply and fixing 6 Nos. MS Z hold fasts of size 300mm x 40mm x 5mm including ISI marked MS powder coated fixtures 3 Nos. butt hinges (IS:205) of 150mm long, 1 No. aldrops (IS:2681) 250 mm long</p> <p>1 No. tower bolt (IS:204) of 150 mm x 10mm dia, 2 Nos. 125mm long handles (IS:208), 1 No. rubber bush including supplying and fixing 1.20mm thick PVC sheet to full height of the shutter inside including labour charges for fixing the frame in position, fixing the shutter to the frame etc., including overheads & contractors profit complete for finished item of work as per APSS 1001 & 1002. (The vertical frame of door shall be embedded in flooring for depth of not less than 10mm) (750mm x 2100mm)</p>						
	(BLD-CSTN-13-16)						
	Quantity analysis	Size :	0.75m x 2.10m			1.575	sqm
	Outer frame - Vertical	2 x 2.11					
		= 4.22 x 0.10 x 0.065				0.02743	cum
	Outer frame - Horizontal	1 x 0.75					
		= 0.75 x 0.10 x 0.065				0.00488	cum
						0.03231	cum
	30 mm thick flush shutter	0.65 x 2.05				1.333	sqm
	Cost analysis						
	Cost of medium TW frame 2 m to 3m length	0.02743	cum	92130.00	1	cum	2527.13
	Cost of medium TW frame up to 2 m length	0.00488	cum	81950.00	1	cum	399.92
	Cost of 30 mm thick flush shutter	1.333	sqm	1400.00	1	sqm	1866.20
	Cost of MS Z hold fasts	6	Nos.	25.00		Each	150.00
	Cost of MS powder coated tower bolt 150mm long	1	No.	38.50		Each	38.50
	Cost of MS powder coated Butt hinges 150mm long	3	Nos.	39.00		Each	117.00
	Cost of MS powder coated aldrops 250mm long	1	No.	129.00		Each	129.00
	Cost of MS powder coated handle 125mm long	1	No.	35.00		Each	35.00
	Cost of rubber bush	1	No.	25.00		Each	25.00
	Cost of 1.20mm thick PVC sheet	1.333	sqm	160.00	1	sqm	213.28
	cost of Fevicol & labour charges for fixing PVC sheet	1.333	sqm	75.00	1	sqm	99.98
	Labour charges for frame work	0.03231	cum	15363.90	1	cum	496.41
	Add for MA @ 20%	0.20		496.41			99.28
	Labour charges for fixing flush door shutter to the	1.333	sqm	421.00	1	sqm	561.19
	Add for MA @ 20%	0.20		561.19			112.24
	Add for nails & screws etc.						6.91
	Rate for 1.68 sqm						6877.03
	Overheads&Contractors Profit @13.615%	0.13615		6877.03			936.31
							7813.33
	Rate for 1 sqm						4960.85
					Say		4961

17	Supply and fixing powder coated aluminium fully glazed swing door as per the approved drawing with fixed fan light of 500mm height at top door using aluminium sections of 101.60 mm x 44.45mm , 3.18 mm thick for frame and door shutter made of styles , top and middle rail of 47.62mm x 44.45mm , 3.18 mm thick and bottom rail of 114.30mm x 44.45 mm , 3.18mm thick, powder coating of alluminium sections 25mm microns thick, 5 mm thick plain float glass fitted with suitable aluminium glazing clips and rubber beading in fan light portion, double shutters fitted with 5mm thick frosted / ground glass in the top half and 12mm thick prelaminated particle board (One side choice colour and other side balancing white lamination) in the bottom half fitted with suitable aluminium glazing clips and rubber beading, shutters mounted on double action hydraulic floor spring of approved brand manufacture IS : 6315 marked , Hardwyn make M-3000 for doors including cost of cutting floors as required , embedding in floors				
	and SS cover plates with brass pivot and sigle piece MS Sheet outer box with slide plate etc.complete (Weight Capacity up to 130 Kgs) as approved by Engineer-in-Charge including supply and fixing ISI marked powder coated aluminium fixtures of 4 Nos.tower bolts 10mm bolt (IS:204) 300mm long , 4 Nos.alluminium handles (IS:208) 150mm dia and 2 Nos. aldrops (IS:2681) 300mm long including labour charges for manufacturing door , fixing the door with required No. of screws etc., including overheads & contractors profit complete for finished item of work. (The Aluminium section used shall be standard make confirming to IS 1948 – 1961) and as approved by the Engineer) (2000mmx2600mm)				
	(BLD-CSTN-13-31)				
	Quantity analysis	Size :	2.00m x 2.60m		5.20 sqm
	Outer frame (101.60 x 44.45, 3.18mm thick)	2 x 2.00 + 2 x 2.60	9.20	RM	
	Mullions (101.60 x 44.45, 3.18mm thick)	1 x 0.50	0.50	RM	
			9.70	RM	
		= 9.70 RM @ 2.404 Kgs / RM			23.319 Kgs.
	Shutters, styles and rails(47.62mm x 44.45mm , 3	4 x 2.10 + 2 x 2 x 1.00	12.40	RM	
		= 12.40 RM @ 1.501 Kgs/ RM			18.612 Kgs.
	Bottom rails (114.30 x 44.45. 3.18mm thick)	2 x 1.00	2.00	RM	
		= 2.00 RM @ 2.646 Kgs / RM			5.292 Kgs.
	Glazing clips	2 x 2 x 2(1.00+0.50) + 2 x 2 x 2(1.00+1.20) + 2 x 2 x 2(1.00+0.90)	44.80	RM	
		= 44.80 RM @ 0.101 Kgs /RM			4.525 Kgs.
					51.748 Kgs.
	5mm thick plain glass	2 x 1.00 x 0.50		1.00	sqm.
	5mm thick ground glass	2 x 1.00 x 1.20		2.40	sqm.
	12mm thick prelaminated paticle board	2 x 1.00 x 0.90		1.80	sqm.
	Rubber beading	2 x 2(1.00+0.50)+2 x 2(1.00+1.20)	14.80	RM	
	Cost analysis				
	A.Material :				
	Cost of powder coated Al. sections	51.748 Kgs.	337.00	1 Kg.	17439.08
	Cost of 5mm thick plain glass	1.00 sqm.	634.00	1 sqm.	634.00
	5mm thick ground glass	2.40 sqm.	750.00	1 sqm.	1800.00
	12mm thick prelaminated paticle board	1.80 sqm.	806.00	1 sqm.	1450.80
	Cost of rubber beading	14.80 RM	2.00	1 RM	29.60
	Cost of floor springs	2 Nos.	3900.00	Each	7800.00
	Cost of Al. tower bolts 300mm	4 Nos.	152.00	Each	608.00
	Cost of Al. round handles 150mm dia.	4 Nos.	100.00	Each	400.00
	Cost of Al. aldrops 300mm	2 Nos.	338.00	Each	676.00
		5.20 sqm.	863.17	1 sqm.	4488.48
	B.Labour charges				
	Add for Screws, Nails, Nuts, Bolts etc.,	LS			3.09
	Rate per 5.20 Sqm:				35329.05
	Overheads&Contractors Profit @13.615%	0.13615	35329.05		4810.05
					40139.10
					7719.06
	Rate per 1 Sqm:			Say	7719

18	Supply and fixing powder coated aluminium fully glazed swing door as per the approved drawing with fixed fan light of 500mm height at top door using aluminium sections of 101.60 mm x 44.45mm , 3.18 mm thick for frame and door shutter made of styles , top and middle rail of 47.62mm x 44.45mm , 3.18 mm thick and bottom rail of 114.30mm x 44.45 mm , 3.18mm thick, powder coating of alluminium sections 25mm microns thick, 5 mm thick plain float glass fitted with suitable aluminium glazing clips and rubber beading in fan light portion, double shutters fitted with 5mm thick frosted / ground glass in the top half and 12mm thick prelaminated particle board (One side choice colour and other side balancing white lamnation) in the bottom half fitted with suitable aluminium glazing clips and rubber beading, shutters mounted on double action hydraulic floor spring of approved brand manufacture IS : 6315 marked , Hardwyn make M-3000 for doors including cost of cutting floors as required , embedding in floors				
	and SS cover plates with brass pivot and sigle piece MS Sheet outer box with slide plate etc.complete(Weight Capacity up to 130 Kgs) as approved by Engineer-in-Charge including supply and fixing ISI marked powder coated aluminium fixtures of 4 Nos.tower bolts 10mm bolt (IS:204) 300mm long , 4 Nos.alluminium handles (IS:208) 150mm dia and 2 Nos. aldrops (IS:2681) 300mm long including labour charges for manufacturing door , fixing the door with required No. of screws etc., including overheads & contractors profit complete for finished item of work. (The Aluminium section used shall be standard make confirming to IS 1948 – 1961) and as approved by the Engineer) (1800mmx2600mm)				
	(BLD-CSTN-13-31)				
	Quantity analysis				
	Size :	1.80m x 2.60m			4.68 sqm
	Outer frame (101.60 x 44.45, 3.18mm thick)	2 x 1.80 + 2 x 2.60	8.80	RM	
	Mullions (101.60 x 44.45, 3.18mm thick)	1 x 0.50	0.50	RM	
			9.30	RM	
		= 9.30 RM @ 2.404 Kgs / RM			22.357 Kgs.
	Shutters, styles and rails(47.62mm x 44.45mm , 3	4 x 2.10 + 2 x 2 x 0.90	12.00	RM	
		= 12.00 RM @1.501 Kgs/ RM			18.012 Kgs.
	Bottom rails (114.30 x 44.45. 3.18mm thick)	2 x 0.90	1.80	RM	
		= 1.80 RM @ 2.646 Kgs / RM			4.763 Kgs.
	Glazing clips	2 x 2 x 2(0.90+0.50) + 2 x 2 x 2(0.90+1.20) + 2 x 2 x 2(0.90+0.90)	42.40	RM	
		= 42.40 RM @ 0.101 Kgs /RM			4.282 Kgs.
	5mm thick plain glass	2 x 0.90 x 0.50			49.414 Kgs.
	5mm thick ground glass	2 x 0.90 x 1.20		0.90	sqm.
	12mm thick prelaminated paticle board	2 x 0.90 x 0.90		2.16	sqm.
	Rubber beading	2 x 2(0.90+0.50)+2 x 2(0.90+1.20)		1.62	sqm.
	Cost analysis		14.00	RM	
	A.Material :				
	Cost of powder coated Al. sections	49.414 Kgs.	337.00	1 Kgs.	16652.52
	Cost of 5mm thick plain glass	0.90 sqm.	634.00	1 sqm.	570.60
	5mm thick ground glass	2.16 sqm.	750.00	1 sqm.	1620.00
	12mm thick prelaminated paticle board	1.62 sqm.	806.00	1 sqm.	1305.72
	Cost of rubber beading	14.00 RM	2.00	1 RM	28.00
	Cost of floor springs	2 Nos.	3900.00	Each	7800.00
	Cost of Al. tower bolts 300mm	4 Nos.	152.00	Each	608.00
	Cost of Al. round handles 150mm dia.	4 Nos.	100.00	Each	400.00
	Cost of Al. aldrops 300mm	2 Nos.	338.00	Each	676.00
	B.Labour charges	4.68 sqm.	863.17	1 sqm.	4039.63
	Add for Screws, Nails, Nuts, Bolts etc.,	LS			3.72
	Rate per 4.68 Sqm:				33704.19
	Overheads&Contractors Profit @13.615%	0.13615			4588.83
	Rate per 1 Sqm:				38293.02
					8182.27
				Say	8182

19	<p>Supply and fixing powder coated aluminium fully glazed swing door as per the approved drawing with fixed fan light of 500mm height at top door using aluminium sections of 101.60 mm x 44.45mm , 3.18 mm thick for frame and door shutter made of styles , top and middle rail of 47.62mm x 44.45mm , 3.18 mm thick and bottom rail of 114.30mm x 44.45 mm , 3.18mm thick, powder coating of alluminium sections 25mm microns thick, 5 mm thick plain float glass fitted with suitable aluminium glazing clips and rubber beading in fan light portion, double shutters fitted with 5mm thick frosted / ground glass in the top half and 12mm thick prelaminated particle board (One side choice colour and other side balancing white lamination) in the bottom half fitted with suitable aluminium glazing clips and rubber beading, shutters mounted on double action hydraulic floor spring of approved brand manufacture IS : 6315 marked , Hardwyn make M-3000 for doors including cost of cutting floors as required , embedding in floors</p> <p>and SS cover plates with brass pivot and sigle piece MS Sheet outer box with slide plate etc.complete(Weight Capacity up to 130 Kgs) as approved by Engineer-in-Charge including supply and fixing ISI marked powder coated aluminium fixtures of 4 Nos.tower bolts 10mm bolt (IS:204) 300mm long , 4 Nos.alluminium handles (IS:208) 150mm dia and 2 Nos. aldrops (IS:2681) 300mm long including labour charges for manufacturing door , fixing the door with required No. of screws etc., including overheads & contractors profit complete for finished item of work. (The Aluminium section used shall be standard make confirming to IS 1948 – 1961) and as approved by the Engineer) (1500mmx2600mm)</p>				
	(BLD-CSTN-13-31)				
	Quantity analysis	Size :	1.50m x 2.60m		3.90 sqm
	Outer frame (101.60 x 44.45, 3.18mm thick)	2 x 1.50 + 2 x 2.60	8.20	RM	
	Mullions (101.60 x 44.45, 3.18mm thick)	1 x 0.50	0.50	RM	
			8.70	RM	
		= 8.70 RM @ 2.404 Kgs / RM			20.915 Kgs.
	Shutters, styles and rails(47.62mm x 44.45mm , 3	4 x 2.10 + 2 x 2 x 0.75	11.40	RM	
		= 11.40 RM @1.501 Kgs/ RM			17.111 Kgs.
	Bottom rails (114.30 x 44.45. 3.18mm thick)	2 x 0.75	1.50	RM	
		= 1.50 RM @ 2.646 Kgs / RM			3.969 Kgs.
	Glazing clips	2 x 2 x 2(0.75+0.50) + 2 x 2 x 2(0.75+1.20) + 2 x 2 x 2(0.75+0.90)	38.80	RM	
		= 38.80 RM @ 0.101 Kgs /RM			3.919 Kgs.
					45.914 Kgs.
	5mm thick plain glass	2 x 0.75 x 0.50			0.75 sqm.
	5mm thick ground glass	2 x 0.75 x 1.20			1.80 sqm.
	12mm thick prelaminated paticle board	2 x 0.75 x 0.90			1.35 sqm.
	Rubber beading	2 x 2(0.75+0.50)+2 x 2(0.75+1.20)			12.80 RM
	Cost analysis				
	A.Material :				
	Cost of powder coated Al. sections	45.91 Kgs.	337.00	1 Kgs.	15473.02
	Cost of 5mm thick plain glass	0.75 sqm.	634.00	1 sqm.	475.50
	5mm thick ground glass	1.80 sqm.	750.00	1 sqm.	1350.00
	12mm thick prelaminated paticle board	1.35 sqm.	806.00	1 sqm.	1088.10
	Cost of rubber beading	12.80 RM	2.00	1 RM	25.60
	Cost of floor springs	2 Nos.	3900.00	Each	7800.00
	Cost of Al. tower bolts 300mm	4 Nos.	152.00	Each	608.00
	Cost of Al. round handles 150mm dia.	4 Nos.	100.00	Each	400.00
	Cost of Al. aldrops 300mm	2 Nos.	338.00	Each	676.00
	B.Labour charges	3.90 sqm.	863.17	1 sqm.	3366.36
	Add for Screws, Nails, Nuts, Bolts etc.,	LS			4.35
	Rate per 3.90 Sqm:				31266.93
	Overheads&Contractors Profit @13.615%	0.13615	31266.93		4256.99
					35523.92
	Rate per 1 Sqm:				9108.70
				Say	9109

20	Providing & Fixing of Scientific Doors with metal door frames and door shutters made of galvanize steel (base steel as per IS 513 of 0.58 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM) coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability/Epoxy polyester powder for powder coating paint thickness 50-60 microns (Dry film thickness) outer frame section of 100 x 58 mm x 1.2 mm thick, shutter section of 0.80 mm thick galvanized steel sheet pressed (roll formed) for 46mm thick fully flush, double skin door shell seam joints at stile edges, in-fill of honeycomb Kraft paper used to give the required rigidity and effective acoustic insulation with 6" Tower bolt – 1 No., 6" D handles – 2 Nos., 10" Aldrops – 1 No., Butt Hinges – 3 Nos, Mortise Lock of approved quality – 1 No, frames fixed to the concrete/masonry wall by means of self expanding screws including overheads and contractor profit etc., complete for finished item of work for Single leaf Door						
	Rate as per SSR	1.00	Sqm	10519.00	1	Sqm	10519.00
	Overheads&Contractors Profit @13.615%	0.14		10519.00			1432.16
	Rate per 1 Sqm:						11951.16
					Say		11951
21	Providing & Fixing of Scientific Doors with metal door frames and door shutters made of galvanize steel (base steel as per IS 513 of 0.58 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM). coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability/Epoxy polyester powder for powder coating paint thickness 50-60 microns (Dry film thickness) outer frame section of 100 x 58 mm x 1.2 mm thick, shutter section of 0.80 mm thick galvanized steel sheet pressed (roll formed) for 46mm thick fully flush, double skin door shell seam joints at stile edges, in-fill of honeycomb Kraft paper used to give the required rigidity and effective acoustic insulation with 6" Tower bolt – 2 Nos., 6" D handles – 2 Nos., 10" Aldrops – 1 No., Butt Hinges – 6 Nos, Mortise Lock of approved quality – 1 No, frames fixed to the concrete/masonry wall by means of self expanding screws including overheads and contractor profit etc., complete for finished item of work for Double leaf Door						
	Rate as per SSR	1.00	Sqm	10989.00	1	Sqm	10989.00
	Overheads&Contractors Profit @13.615%	0.13615		10989.00			1496.15
	Rate per 1 Sqm:						12485.15
					Say		12485
22	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors three track - two glass shutters sliding and one mesh shutter sliding- 95 -Series duly manufactured using UPVC reinforced profiles of (108 mm x 45 mm)/(95.50 mm x 60 mm) x 2.0 mm for outer frames, (75 mm x 39 mm)/(66 mm x 42 mm) x 2.0 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and mesh shutter shall be made of (48.5 mm x 30 mm)/(50 mm x 26.5 mm) x 2.0 mm UPVC profile section and fitted with nylon/polymer mesh and rollers/pulley duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing, overheads and contractors profit etc., complete for finished item of work						
	Rate as per SSR	1.00	Sqm	7066.00	1.00	Sqm	7066.00
	Overheads&Contractors Profit @13.615%	0.14		7066.00			962.04
	Rate for 1 Sqm						8028.04
					Say		8028
23	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) openable doors with openable shutters duly manufactured using UPVC reinforced profiles of 60 mm x 55 mm x 2.0 mm for outer frames, 70 mm x 60 mm x 2.25 mm for mullion sections as per the need and 102 mm x 60 mm x 2.0 mm for openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant and accessories for openable door - hinges of stainless steel grade 304- 3 Nos., per shutter handle with mazak alloy casting 1 No. per shutter, locking system suitably concealed 1 No., with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing, overheads and contractors profit etc., complete for finished item of work						
	Rate as per SSR	1.00	Sqm	8009.00	1.00	Sqm	8009.00
	Overheads&Contractors Profit @13.615%	0.13615		8009.00			1090.43
	Rate for 1 Sqm						9099.43
					Say		9099

24	Providing & Fixing of Openable Windows with Fly-mesh made of pre-painted steel (Base Steel as per IS 513 of 0.58 mm thick galvanized as per IS 277 with zinc of 150 GSM) primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkyd backer and the section for outer frame of 72 x 55mm, centre mullion of 72 x 50mm, section for fixed glass beading section of 12 x 12 mm and section for shutters of 48 x 25 mm and outer frame & mullion sections with rebate for glazed shutters, fly mesh and a 20 mm provision for guard bars/grills and fly mesh shutter section of 20 x 40 mm and the sections cut to length metre joined with corner bracket, centre mullions fixed with mullion cap, stay, handles, latch 2 Nos of heavy duty stainless steel pivot hinges per shutter and panelled with 4mm thick pin headed glass and S.S. Mesh for fly mesh shutter (304 grade), fitted using rubber gaskets including fixing the windows in the concrete/masonry wall by means of self expanding screws, including 10mm Square guard bars with 6" (152.4mm) pitch including overheads and contractor profit etc., complete for finished item of work						
a	Centre fixed both side openable shutter window : 1800mm x1800mm					3.24	sqm
	Window portion	2.34	Sqm	5897.00	1	Sqm	13798.98
	Fan light portion	0.90	Sqm	4596.00	1	Sqm	4136.40
	Rate per 3.24 sqm						17935.38
	Rate per 1 sqm						5535.61
	deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
	add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
							5271.61
	Overheads&Contractors Profit @13.615%	0.13615		5271.61			717.73
	Rate per 1 sqm						5989.34
						Say	5989
b	Centre fixed both side openable shutter window : 1500mm x1800mm					2.70	sqm
	Window portion	1.95	Sqm	6625.00	1	Sqm	12918.75
	Fan light portion	0.75	Sqm	4596.00	1	Sqm	3447.00
	Rate per 2.70 sqm						16365.75
	Rate per 1 sqm						6061.39
	deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
	add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
							5797.39
	Overheads&Contractors Profit @13.615%	0.13615		5797.39			789.31
	Rate per 1 sqm						6586.70
						Say	6587
c	Double shutter window 1200x1800 with fixed fan light of 500mm at top :					3.06	sqm
	Window portion	2.16	Sqm	7288.00	1	Sqm	15742.08
	Fan light portion	0.90	Sqm	4596.00	1	Sqm	4136.40
	Rate per 2.16 sqm						19878.48
	Rate per 1 sqm						6496.24
	deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
	add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
							6232.24
	Overheads&Contractors Profit @13.615%	0.13615		6232.24			848.52
	Rate per 1 sqm						7080.75
						Say	7081
d	Double shutter window 900x1800 with fixed fan light of 500mm at top :					1.62	sqm
	Window portion	1.17	Sqm	7288.00	1	Sqm	8526.96
	Fan light portion	0.45	Sqm	4596.00	1	Sqm	2068.20
	Rate per 1.62 sqm						10595.16
	Rate per 1 sqm						6540.22
	deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
	add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
							6276.22
	Overheads&Contractors Profit @13.615%	0.13615		6276.22			854.51
	Rate per 1 sqm						7130.73
						Say	7131
e	Centre fixed both side openable shutter window 1800mmx1300mm :					2.34	sqm
	Window portion	2.34	Sqm	5897.00	1	Sqm	13798.98
	Rate per 1 sqm						5897.00

			1.00	Sqm	634.00	1	Sqm	-634.00
		deduct cost of 5mm plain glass	1.00	Sqm	370.00	1	Sqm	370.00
		add cost of 4mm thick pin headed glass						5633.00
			0.13615		5633.00			766.93
		Overheads&Contractors Profit @13.615%						6399.93
		Rate per 1 sqm					Say	6400
							1.95	sqm
	f	Centre fixed both side openable shutter window 1500mmx1300mm :						
		Window portion	1.95	Sqm	6625.00	1	Sqm	12918.75
		Rate per 1 sqm						6625.00
		deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
		add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
								6361.00
		Overheads&Contractors Profit @13.615%	0.13615		6361.00			866.05
		Rate per 1 sqm						7227.05
							Say	7227
	g	Double shutter window 1200mmx1300mm :					1.56	sqm
		Window portion	1.56	Sqm	7288.00	1	Sqm	11369.28
		Rate per 1 sqm						7288.00
		deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
		add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
								7024.00
		Overheads&Contractors Profit @13.615%	0.13615		7024.00			956.32
		Rate per 1 sqm						7980.32
							Say	7980
	h	Double shutter window 900mmx1300mm:					1.17	sqm
		Window portion	1.17	Sqm	7288.00	1	Sqm	8526.96
		Rate per 1 sqm						7288.00
		deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
		add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
								7024.00
		Overheads&Contractors Profit @13.615%	0.13615		7024.00			956.32
		Rate per 1 sqm						7980.32
							Say	7980
25	Supply and fixing of pre-painted steel windows & top hung and fixed louvered ventilators made of pre - painted steel (base steel as per IS 513 of -0.58 mm thick 'D' quality, galvanized as per IS 277 with zinc of 120 GSM) primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkylid backer, section for outer frame of 46 x 52 mm section and for shutter of 46 x 46 mm section for mullion 46 x 70 mm, and section for beading should be 18 x 25 mm and section for louvered ventilation of 33 x 56 mm Box section and the windows panelled with 4 mm thick pin headed glass & 4 mm pinhead glass for ventilators with Ethyl propylene Diamine monomer Gasket (EPDM) and the sections cut to length mitre joined with corner bracket centre mullions fixed using mullion cap and with handle made of high grade aluminium powder coated and nylon receiver, corner brackets made of CRCA with Zinc Phosphate, Mullion caps made of glass filled nylon, frames fixed to the concrete /masonry wall by means of self expanding screws including 10 mm square guard bars with 6" pitch including overheads & contractors profit etc., complete for finished item of work.							
	A)	WINDOWS						
	a	Centre fixed both side openable shutter window 1800x1800 with fixed fan light of 500mm at top :						
		Window portion	2.34	Sqm	5843.00	1	Sqm	13672.62
		Fan light portion	0.90	Sqm	4596.00	1	Sqm	4136.40
		Rate per 3.24 sqm						17809.02
		Rate per 1 sqm						5496.61
		deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
		add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
								5232.61
		Overheads&Contractors Profit @13.615%	0.13615		5232.61			712.42
		Rate per 1 sqm						5945.03
							Say	5945

b	Centre fixed both side openable shutter window 1500x1800 with fixed fan light of 500mm at top :				2.70	sqm	
	Window portion	1.95	Sqm	5843.00	1	Sqm	11393.85
	Fan light portion	0.75	Sqm	4596.00	1	Sqm	3447.00
	Rate per 2.70 sqm						14840.85
	Rate per 1 sqm						5496.61
	deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
	add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
							5232.61
	Overheads&Contractors Profit @13.615%	0.13615		5232.61			712.42
	Rate per 1 sqm						5945.03
						Say	5945
c	Double shutter window 1200x1800 with fixed fan light of 500mm at top :				2.16	sqm	
	Window portion	1.56	Sqm	6559.00	1	Sqm	10232.04
	Fan light portion	0.60	Sqm	4596.00	1	Sqm	2757.60
	Rate per 2.16 sqm						12989.64
	Rate per 1 sqm						6013.72
	deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
	add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
							5749.72
	Overheads&Contractors Profit @13.615%	0.13615		5749.72			782.82
	Rate per 1 sqm						6532.55
						Say	6533
d	Double shutter window 900x1800 with fixed fan light of 500mm at top :				1.62	sqm	
	Window portion	1.17	Sqm	6559.00	1	Sqm	7674.03
	Fan light portion	0.45	Sqm	4596.00	1	Sqm	2068.20
	Rate per 1.62 sqm						9742.23
	Rate per 1 sqm						6013.72
	deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
	add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
							5749.72
	Overheads&Contractors Profit @13.615%	0.13615		5749.72			782.82
	Rate per 1 sqm						6532.55
						Say	6533
e	Centre fixed both side openable shutter window 1800mmx1300mm :						
	Rate as per SSR	1.00	Sqm	5843.00	1	Sqm	5843.00
	deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
	add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
							5579.00
	Overheads&Contractors Profit @13.615%	0.13615		5579.00			759.58
	Rate per 1 sqm						6338.58
						Say	6339
f	Centre fixed both side openable shutter window 1500mmx1300mm :						
	Rate as per SSR	1.00	Sqm	5843.00	1	Sqm	5843.00
	deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
	add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
							5579.00
	Overheads&Contractors Profit @13.615%	0.13615		5579.00			759.58
	Rate per 1 sqm						6338.58
						Say	6339
g	Double shutter window 1200mmx1300mm :						
	Rate as per SSR	1.00	Sqm	6559.00	1.00	Sqm	6559.00
	deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
	add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
							6295.00
	Overheads&Contractors Profit @13.615%	0.13615		6295.00			857.06
	Rate per 1 sqm						7152.06
						Say	7152

h	Double shutter window 900mmx1300mm :						
	Rate as per SSR	1.00	Sqm	6559.00	1.00	Sqm	6559.00
	deduct cost of 5mm plain glass	1.00	Sqm	634.00	1	Sqm	-634.00
	add cost of 4mm thick pin headed glass	1.00	Sqm	370.00	1	Sqm	370.00
							6295.00
	Overheads&Contractors Profit @13.615%	0.13615		6295.00			857.06
	Rate per 1 sqm						7152.06
						Say	7152
	B) VENTILATORS :						
	a Top Hung of any size	1.00	Sqm	6798.00	1	Sqm	6798.00
a	Overheads&Contractors Profit @13.615%	0.13615		6798.00			925.55
	Rate for 1 Sqm						7723.55
						Say	7724
	b Fixed louvered of any size	1.00	Sqm	4650.00	1	Sqm	4650.00
	Overheads&Contractors Profit @13.615%	0.13615		4650.00			633.10
	Rate for 1 Sqm						5283.10
						Say	5283
26	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows two track sliding duly manufactured using UPVC reinforced profiles of (62 mm x 60 mm)/(60 mm x 45 mm) x 2.0 mm for outer frames, (66 mm x 38 mm)/(58 mm x 39 mm) x 2.0 mm for sliding shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories like locking system 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing, overheads and contractors profit etc., complete for finished item of work						
	Rate as per SSR	1.00	Sqm	6391.00	1.00	Sqm	6391.00
	Overheads&Contractors Profit @13.615%	0.13615		6391.00			870.13
	Rate for 1 Sqm						7261.13
						Say	7261
27	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows three track - two glass shutters sliding and one mesh shutter duly manufactured using UPVC reinforced profiles of (94 mm x 45 mm)/(80 mm x 52 mm) x 2.0 mm for outer frames, (58 mm x 39 mm)/(54 mm x 38 mm) x 2.0 mm for sliding shutter frames capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and mesh shutter frame shall be (42 mm x 25 mm)/(52 mm x 21.5 mm) x 2 mm fitted with nylon/ polymer mesh on rollers/ pulley duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories like locking system 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing, overheads and contractors profit etc., complete for finished item of work						
	Rate as per SSR	1.00	Sqm	6674.00	1.00	Sqm	6674.00
	Overheads&Contractors Profit @13.615%	0.13615		6674.00			908.67
	Rate for 1 Sqm						7582.67
						Say	7583

28	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) casement windows openable shutters duly manufactured using UPVC reinforced profiles of 60 mm x 55 mm x 2.0 mm for outer frames, 70 mm x 60 mm x 2.0 mm for mullion sections for two or more openable shutters 70 mm x 60 mm x 2.0 mm for openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant and accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, multipoint locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing, overheads and contractor profit etc., complete for finished item of work						
	Rate as per SSR	1.00	Sqm	7051.00	1.00	Sqm	7051.00
	Overheads&Contractors Profit @13.615%	0.13615		7051.00			959.99
	Rate for 1 Sqm						8010.99
						Say	8011
29	Providing, supplying & fixing of Fixed Louvered Ventilator made out of multi chambered UPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The outer frame having an overall size of 60 x 55 mm with reinforcement of 1 mm thickness and Mullion with overall size of 74 x 60 mm with reinforcement of 1 mm thickness. Ventilator shall be provided with 4.5 mm pin head glass, standard hardware, wall thickness of frame & mullion shall be 2.0 mm including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site, overheads and contractor profit etc., complete for finished item of work						
	Rate as per SSR	1.00	Sqm	6005.00	1.00	Sqm	6005.00
	Overheads&Contractors Profit @13.615%	0.13615		6005.00			817.58
	Rate for 1 Sqm						6822.58
						Say	6823
30	Providing, supplying & fixing of Top hung Ventilator with exhaust fan provision made out of multi chambered UPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The outer frame having an overall size of 60 x 55 mm with reinforcement of 1 mm thickness, Mullion with overall size of 74 x 60 mm with reinforcement of 1 mm thickness and Sash with overall size of 75 x 60 mm with reinforcement of 1.5 mm thickness. Glazing bead for fixing of glass shall be of size 34 x 20 mm coextruded with gasket. Ventilator shall be provided with 4.5 mm Pin Head glass, standard hardware, single point locking and friction stays. Wall thickness of frame, mullion and sash shall be 2.0 mm including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site, overheads and contractor profit etc., complete for finished item of work						
	Rate as per SSR	1.00	Sqm	8450.00	1.00	Sqm	8450.00
	Overheads&Contractors Profit @13.615%	0.13615		8450.00			1150.47
	Rate for 1 Sqm						9600.47
						Say	9600
31	Supplying and fixing of 7.5mm thick Aluminium Grill (as approved by the department) 3.58 Kg/Sqm including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site, overheads and contractor profit etc., complete for finished item of work						
	Rate as per SSR	1.00	Sqm	1035.00	1.00	Sqm	1035.00
	Overheads&Contractors Profit @13.615%	0.14		1035.00			140.92
	Rate for 1 Sqm						1175.92
						Say	1176
32	Supplying and fixing of MS Grill to windows / in open court yards using 25mm x 6mm MS flat around and 10mm MS square bars horizontally at 125mm centre to centre and vertically at 300mm centre to centre including fixing with 4 Nos of MS Z holdfasts (2 on each side) duly making cutting brick masonry, fixing and making to original surface neatly and painting grill with one coat of red oxide primer including cost all taxes and conveyance of all materials including cutting, bending, welding including all operational charges and all labour charges etc., complete for finished item of work.						
	For 1.80mx1.70m size	3.06	Sqm				
	Quantity Analysis						
	Cost of 25mm x 6mm MS flat around	2 (1.80+ 1.70)		7.00	RM		
		7.00 RM @ 1.20 Kgs/RM				8.40	Kgs

	Cost of 10mm M.S square bars @0.785 kg /RM					
	Vertical bars	6	6 x 1.70	10.20		
	Horizontal bars	13	13 x 1.80	23.40		
				33.60	RM	26.38 Kgs
						34.78 Kgs
	Cost Analysis					
	Cost of 10mm MS square bars	26.38	Kgs	63000.00	1000	Kgs 1661.69
	Cost of 25X 6mm MS Flat	8.40	Kgs	62000.00	1000	Kgs 520.80
	Labour charges for fabrication of steel	34.78	Kgs	30.00	1	Kg 1043.28
	Labour charges for fixing	34.78		6.00		208.66
	Add for MA @ 20%	0.20		625.97		125.19
	Rate per 3.06 Sqm					3559.62
						1163.27
	Overheads&Contractors Profit @13.615%	0.13615		1163.27		158.38
						1321.65
	Rate per 1 Sqm				Say	1322
33	Providing and fixing of Two shutter Sliding Windows made of Galvanized Steel (Base Steel as per IS 513, D quality, galvanized as per IS 277 with Zinc of 120 GSM), using factory made section powder coated with Pure polyester powder up to 50-60 microns thick with total coated thickness of 0.8 mm for Outer Frame and 0.58 mm thickness for Sliding Shutter Section, the Outer Frame for Two Tracks with Grill provision size of 90 mm x 50 mm and without grill provision is of 75 mm x 50 mm and the Window Shutter section of 58 mm x 36 mm and the outer Frame with two integrated guide tracks of 12mm width and 24mm deep for provision to slide the Shutter / sash frame and facilitates with a water drain outlet component made of PVC and the shutter frame fitted with 5mm thick plain float glass of reputed make and fixed with EPDM weathering seal resistant accessories and handle made of Aluminium 1 No. per each shutter and cut to length mitre joined with corner brackets including installation of window system at site using anchor fasteners, Silicon sealant applied at the Outer frame corners inclusive of conveyance of all materials accessories, labour charges, and erection at site including overheads & contractors profit etc., complete finished					
	Window with Two Sliding Shutters and with Grill Outer Frame Size 90 mm x 50 mm have a rebate of 15mm x 5 mm to fit grill made of 10mm MS Sq Rods for horizontal bars welded at a regular pitch of 150mm to 12mm x 6 mm MS flat.					
	Rate as per SSR	1.00	Sqm	6324.00	1.00	Sqm 6324.00
	Overheads&Contractors Profit @13.615%	0.13615		6324.00		861.01
	Rate for 1 Sqm					7185.01
					Say	7185
34	Providing and fixing of Three shutter Sliding Windows made of Galvanized Steel (Base Steel as per IS 513, D quality, galvanized as per IS 277 with Zinc of 120 GSM), using factory made section powder coated with Pure polyester powder up to 50-60 microns thick with total coated thickness of 0.8 mm for Outer Frame and 0.58 mm thickness for Sliding Shutter Section, the Outer Frame for three tracks with grill provision size of 105 mm x 50 mm and without grill provision is of 90 mm x 50 mm and the Window Shutter section of 58 mm x 36 mm and the outer Frame with two integrated guide tracks of 12mm width and 24mm deep for provision to slide the Shutter / sash frame and facilitates with a water drain outlet component made of PVC and the shutter frame fitted with 5mm thick plain float glass of reputed make and fixed with EPDM weathering seal resistant accessories and handle made of Aluminium 1 No. per each shutter and cut to length mitre joined with corner brackets including installation of window system at site using anchor fasteners, Silicon sealant applied at the Outer frame corners inclusive of conveyance of all materials accessories, labour charges, and erection at site including overheads & contractors profit etc., complete					
	Centre Shutter Fixed: centre shutter frame made of section with size 20mm x 47mm should be fitted with 5mm thick plain float glass of reputed make, EPDM gasket all around the glass and fixed to the Outer Frame with the supporting section of size 29mm x 20mm of 0.58mm thick fixed horizontally on top and bottom of the shutter frame.					
	Rate as per SSR	1.00	Sqm	6035.00	1.00	Sqm 6035.00
	Overheads&Contractors Profit @14%	0.13615		6035.00		821.67
	Rate for 1 Sqm					6856.67
					Say	6857

35	Supply and fixing powder coated aluminium fully glazed 2 shutter windows with fixed panel in between openable shutters as per approved drawings using anodized aluminium sections of 38.50mm x 33mm , 3mm thick for outer frame, 59mm(3mm) x 33mm(2.5mm) x 30mm(3mm) for mullions and 38.5mm x 33mm , 3mm thick for shutter frame , powder coating of aluminium sections 25mm microns thick and fixing 5 mm thick plain glass fitted with suitable aluminium glazing clips and rubber beading including supplying and fixing powder coated aluminium adjustable frictional stay hinges (2 Nos. per shutter), handle with lock (1 No. per shutter) including cost and conveyance to site of powder coated aluminium sections, glass, rubber beading, fixtures etc., including labour charges for manufacturing window, fixing in position using wooden blocks and sheet metal screws, etc., complete for finished item of work in all floors. (The aluminium sections used shall be standard make confirming to IS 1948-1961 and as approved by the Engineer and fixtures shall be of ISI marked) (1800mm x 1300mm).				
	Quantity analysis	Size :	1.80m x 1.30m		2.34 sqm
	1) Outer frame (38.50mm x 33mm, 3mm thick)	2 (1.80 + 1.30)			
		6.20 RM @ 0.775 Kgs / RM		4.81 Kgs.	
	2) Mullions[59mm (3mm) x 33mm (2.50mm) x 30mm	2 x 1.30			
		2.60 RM @ 1.123 Kgs / RM		2.92 Kgs.	
	3) Shutters Z Section (38.50mm x 33mm x, 3mm thick)	3x2(0.60 +1.30)			
		= 11.40 RM @ 0.663 Kgs/ RM		7.56 Kgs.	
	4) Glazing clips	3x2(0.60+1.30)			
		= 11.40 RM @ 0.101 Kgs /RM		1.15 Kgs.	
				16.44 Kgs.	
	Cost analysis				
	Cost of powder coated Al. sections	16.44 Kgs.	337.00	1 Kgs.	5540.28
	Cost of 5mm thick plain glass	2.34 sq.m.	634.00	1 sq.m.	1483.56
	Cost of rubber beading	11.40 RM	2.00	1 RM	22.80
	Cost of Al. friction stay hinges	4 Nos.	100.00	1 Each	400.00
	Cost of Al. lock with handle	2 Nos.	65.00	1 Each	130.00
	Labour charges	2.34 Sqm.	940.11	1 Sqm.	2199.85
	Add for Screws, Nails, etc.,	LS			3.78
					9780.27
	Overheads&Contractors Profit @13.615%	0.13615	9780.27		1331.58
	Rate per 2.34 Sqm:				11111.86
	Rate per 1 Sqm:				4748.66
				Say	4749
36	Supply and fixing powder coated aluminium fully glazed top hung ventilators fixed with 5mm thick plain glass using suitable aluminium glazing clips and rubber beading as per approved drawings using anodized aluminium sections of 38.50mm x 33mm , 3mm thick for outer frame, 59mm(3mm) x 33mm(2.5mm) x 30mm(3mm) for mullions shutters z section of 38.50mmx33mm,3mm thick,powder coating of all aluminium sections 25mm microns thick, including cost and conveyance to site of powder coated aluminium sections, glass, rubber beading, fixtures etc., including labour charges for manufacturing window, fixing in position using wooden blocks and sheet metal screws, etc., complete for finished item of work. (The aluminium sections used shall be standard make confirming to IS 1948-1961 and as approved by the Engineer and fixtures shall be of ISI marked) (900mm x 500mm).				
	Quantity analysis	Size :	0.90mx 0.50m		0.45 sqm
	1) Outer frame (38.50mm x 33mm, 3mm thick)	2 (0.90 + 0.50)			
		= 2.80 RM @ 0.775 Kgs / RM		2.17 Kgs.	
	2) Shutters Z Section (38.50mm x 33mm x, 3mm thick)	2x2(0.45+0.50)			
		= 3.80 RM @ 0.663 Kgs / RM		2.52 Kgs.	
	3) Glazing clips	2x2(0.45+0.50)			
		= 3.80 RM @ 0.101 Kgs /RM.		0.38 Kgs.	
				5.07 Kgs.	
	Cost analysis				
	Cost of powder coated Al. sections	5.07 Kgs.	337.00	1 Kgs.	1708.59
	Cost of 5mm thick plain glass	0.45 sq.m.	634.00	1 sq.m.	285.30
	Cost of rubber beading	3.80 RM	2.00	1 RM	7.60
	Labour charges	0.45 Sqm.	940.11	1 Sqm.	423.05
	Add for Screws, Nails, Nuts, Bolts	LS			2.75
					2427.29
	Overheads&Contractors Profit @13.615%	0.13615	2427.29		330.48


	rubber beading , fixtures etc., including labour charges for manufacturing window, fixing in position using wooden blocks and sheet metal screws, overheads & contractors profit etc., complete for finished item of work. (The aluminium sections used shall be standard make confirming to IS 1948-1961 and as approved by the Engineer and fixtures shall be of ISI marked) (1200mm x 1800mm)					
	Quantity analysis	Size :	1.20m x 1.80m		2.16	Sqm
	Quantity analysis					
	Window frame					
	bottom : (8932)	1.80m	0.909 Kgs/RM	1.636 Kgs.		
	sides : (8931)	2 x 1.30m	0.784 Kgs/RM	2.038 Kgs.		
	top : (8992)	1.80m	1.005 Kgs/RM	1.809 Kgs.		
	fan light sides&top(4687) 2x0.50+	1.20+2x 0.50	0.942 Kgs/RM	2.072 Kgs.		
	Window shutters					
	bottom : (8603)	2 x 0.60m	0.641 Kgs/RM	7.69 Kgs.		
	plain sides & top : (8604)	2 (1.30+0.60)	0.522 Kgs/RM	1.984 Kgs.		
	sides inter locking : (8602)	2 x 1.30m	0.663 Kgs/RM	1.724 Kgs.		
	Glazing clips	2x2(0.60+0.50)+2x2x(0.60+1.30)				
		= 12.00 RM @ 0.101 Kgs /RM		1.212 Kgs.		
				20.167	Kgs.	
	5mm thick plain glass	1.20m x 1.80m		2.16	sqm	
	Rubber beading			6.00	RM	
	Cost analysis					
	A.Material :					
	Cost of powder coated Al. sections	20.17 Kgs.	337.00	1 Kgs.	6796.28	
	Cost of 5mm thick plain glass	2.16 sqm.	634.00	1 sqm.	1369.44	
	Cost of rubber beading	6.00 RM	2.00	1 RM	12.00	
	B.Labour charges	2.16 sqm	904.59	1 sqm	1953.92	
	Add for Screws, Nails, Nuts, Bolts etc.,	LS			6.00	
	Rate per 2.16 Sqm:				10137.64	
	Overheads&Contractors Profit @13.615%	0.13615	10137.64		1380.24	
					11517.88	
	Rate per 1 Sqm				5332.35	
					Say	5332
39	Supply and fixing of Bisonlam aluminium glazed partitions using 10mm Bisonlam and 5.00 mm thick plain glass to full height using with Bisonlam to a height of 0.91 meter at bottom panel and remaining height with glass and aluminium sections anodized to 12 to 15 microns and of sections of size 37mm x 62mm and 1.5mm thickness with one meter centre to centre duly fixed with clip beading on both sides including fixing the frame to pillars by M.S. flats, bolts and nuts including cost and conveyance of all materials including overheads & contractors profit etc., complete as directed during execution.					
	Rate as per SSR	1.00 sqm	3400.00	1 sqm	3400.00	
	Overheads&Contractors Profit @13.615%	0.13615	3400.00		462.91	
					3862.91	
	Rate for 1 Sqm				Say	3863


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Supplying and fixing of two shutter cupboards as per drawing with medium teak wood frames of size 75mm x 40mm and MDF Board Interior grade both sides laminated 18mm thick for shutters with 18mm x 12mm teak wood beading around and supplying and fixing powder coated MS fixtures 3 Nos. butt hinges of size 100mm long(for each shutter), tower bolt 2 Nos. of 100mm x 10mm, 2 Nos of handles 100mm long and standard locking arrangements for shutters including cost and conveyance of all materials to site, labour charges, over heads and contractor profit etc., complete for finished item of work.						
For Cup board of size 1.20m x 1.80m					2.16	sqm
Cost of medium teak wood frame	0.0180	Cum	81950.00	1	Cum	1475.10
MDF Board Interior - BSL 18mm thick	2.16	Sqm	801.00	1	Sqm	1730.16
Powder coated butt hinges 100mm long	6	Nos	20.00	1	Each	120.00
Powder coated tower bolts 100mm long	2	Nos	26.50	1	Each	53.00
Powder coated handles 100mm long	2	Nos	30.00	1	Each	60.00
Teak wood beading 18mm x 12mm	7.20	RM	30.00	1	RM	216.00
Cupboard locks	1	No	100.00	1	Each	100.00
Labour charges for frame work	0.0144	Cum	15363.90	1	Cum	221.24
Labour charges for shutters and fixing fixtures	2.16	Sqm	800.00	1	Sqm	1728.00
Add for MA @ 20%	0.20		1949.24			389.85
Add LS for Screws, Nails etc.						2.48

					6095.83
					829.95
Overheads&Contractors Profit @13.615%	0.13615		6095.83		6925.78
Rate per 2.16 Sqm					3206.38
Rate per 1 Sqm				Say	3206


 Dy. Executive Engineer
 A.P.E.W.I.D.C.
 PALAKONDA


 EXECUTIVE ENGINEER
 A. P. E. W. I. D. C.
 Parvathipuram Manyam Dist.


 31-3-2023

COMMON SoR

DATA FOR WATER SUPPLY AND SANITARY ITEMS

Sl.No	Description	Qty	Unit	Rate	Per Unit	Amount
1	Supplying and laying, filling, jointing and testing SWG SP-1 pipe conforming to ISI 651 & 4127 with air tight Cement joints in CM (1.5:1) prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) and refilling with watering and tamping to the required slope including cost and conveyance of all materials to site and all labour charges, overheads & contractor profit etc., complete for finished item of work (APSS NO 1301 & 1318)					
a)	101.60mm dia upto 914.40mm (3') depth					
	Rate as per SSR	1.00	RM	408.00	1 RM	408.00
	Overheads&Contractors Profit @13.615%	0.13615		408.00		55.55
	Rate per 1 RM				say	463.55
b)	152.40mm dia upto 1524.0mm (5') depth					
	Rate as per SSR	1.00	RM	680.00	1 RM	680.00
	Overheads&Contractors Profit @13.615%	0.13615		680.00		92.58
	Rate per 1 RM				say	772.58
c)	203.20mm dia upto 1524mm (5') depth					
	Cost of SWG pipe	1.00	RM	485.00	1 RM	485.00
	labour charges for laying, jointing, testing	1.00	RM	288.00	1 RM	288.00
	Add for MA @ 20%	0.20		288.00		57.60
	Overheads&Contractors Profit @13.615%	0.13615		830.60		830.60
	Rate per 1 RM				say	113.09
d)	254mm dia upto 1524mm (5') depth					
	Cost of SWG pipe	1.00	RM	888.00	1 RM	888.00
	labour charges for laying, jointing, testing	1.00	RM	288.00	1 RM	288.00
	Add for MA @ 20%	0.20		288.00		57.60
	Overheads&Contractors Profit @13.615%	0.13615		1233.60		1233.60
	Rate per 1 RM				say	167.95
e)	300mm dia upto 1524mm (5') depth					
	Cost of SWG pipe	1.00	RM	1280.00	1 RM	1280.00
	labour charges for laying, jointing, testing	1.00	RM	288.00	1 RM	288.00
	Add for MA @ 20%	0.20		288.00		57.60
	Overheads&Contractors Profit @13.615%	0.13615		1625.60		1625.60
	Rate per 1 RM				say	221.33
2	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 904 mm (3'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 including cost and conveyance of all benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing, overheads & contractors profit etc., complete for finished item of work as per Standard specification.					
	Rate as per SSR	1	No.	6518.00	Each	6518.00
	Overheads&Contractors Profit @13.615%	0.13615		6518.00		887.43
	Rate per Each				say	7405.43
3	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 1524 mm (5'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 including cost and conveyance of all benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing, overheads & contractors profit etc., complete for finished item of work as per Standard specification.					
	Rate as per SSR	1	No.	10181.00	Each	10181.00
	Overheads&Contractors Profit @13.615%	0.13615		10181.00		1386.14
	Rate per Each				say	11567.14

4	Constructing 457.2 mm x 457.2 mm (1'6"x1'6") brick in CM 1:6 prop. Masonry. Inspection chamber upto 914.4 mm (3'0") and fitted with light weight 457.2 mm x 457.2 mm (1'6"x1'6") C.I frame and cover of 20 Kg including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing, overheads & contractors profit etc., complete for finished item of work as per Standard specification.					
	Rate as per SSR	1	No.	3825.00	Each	3825.00
	Overheads&Contractors Profit @13.615%	0.13615		3825.00		520.77
						4345.77
	Rate per Each				say	4346
5	Supplying and fixing of SWG Gully traps 150mm x 100mm of ISI make conforming to IS 651 & 4127 with C.I grating & constructing cement brick masonry in CM (1:6) prop., intermediate chamber and fitted with 304.8 mm X 288.6 mm (12"x9") C.I Frame with hinged cover of standard make as approved including cost and conveyance of all materials to site, labour charges, overheads & contractors profit etc., complete for finished item of work.					
	Rate as per SSR	1	No.	568.00	1 Each	568.00
	Deduct cost of CI frame and cover	1	No.	124.00	1 No.	-124.00
	Add for RCC Cover	1	No.	100.00	1 No.	100.00
						544.00
	Overheads&Contractors Profit @13.615%	0.13615		544.00		74.07
						618.07
	Rate per Each				say	618
6	Supplying and fixing of 3" (76.2mm) multi floor trap with Jali - UPVC/SWR pipe fittings as per site requirements with standard practice for all floors including cost and conveyance of all materials to site, labour charges, overheads & contractors profit etc., complete for finished item of work.					
	Rate as per SSR	1	No.	102.00	1 Each	102.00
	Overheads&Contractors Profit @13.615%	0.13615		102.00		13.89
						115.89
	Rate per Each				say	116
7	Supplying and fixing of 4" (101.6mm) multi floor trap with Jali - UPVC/SWR pipe fittings as per site requirements with standard practice for all floors including cost and conveyance of all materials to site, labour charges, overheads & contractors profit etc., complete for finished item of work.					
	Rate as per SSR	1	No.	144.00	1 Each	144.00
	Overheads&Contractors Profit @13.615%	0.13615		144.00		19.61
						163.61
	Rate per Each				say	164
8	Supplying and fixing 580mm x 440mm long Orissa pan white glazed Water Closet 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap, ISI marked and providing masonry seat, CC squatting plate and 10 litres capacity single flush PVC low level cistern with internal components fixed on 2 Nos. of teak wood blocks of size 76.20mm x 101.60mm using required size of nails, screws as approved by Engineer-in-charge, angle stop cock 12.70mm dia. first quality Indian make heavy duty, 12.70mm PVC connection with brass union nuts CP coated, 31.75mm brass plumber union, P trap or S trap of Indian W.C. shall be encased on CC (1:2:4) 150mm around well above the joint to stop leakage at the joint etc., complete including cost and conveyance of all materials to site, cost of CC bed, labour charges and seigniorage charges, overheads & contractors profit etc., complete for finished item of work.					
	Cost of Orissa pan	1	No.	1584.00	1 Each	1584.00
	Add MA on labour charges for fixing Orissa pan	0.20		377.00		75.40
	Cost of Brick masonry seat	1	No.	328.00	1 Each	328.00
	Cost of C C squatting plate	1	No.	98.00	1 Each	98.00
	Cost of slim line PVC flush tank 10 Ltrs. capacity single flush	1	No.	1455.00	1 Each	1455.00
	Angle stop cock 12.70mm	1	No.	474.00	1 Each	474.00
	Add MA on labour charges for fixing angle stop cock	0.20		43.00		8.60
	12.70mm PVC connection with brass union nuts	1	No.	102.00	1 Each	102.00
	Add MA on labour charges for fixing PVC connection with brass union nuts	0.20		20.00		4.00
	31.75mm brass plumber union	1	No.	69.00	1 Each	69.00
	Add MA on labour charges for fixing 31.75mm brass plumber union	0.20		14.00		2.80
	Cutting holes in brick masonry	1	No.	47.00	1 Each	47.00
	Add MA on labour charges for cutting holes in brick masonry	0.20		47.00		9.40
	Teak wood blocks 76.2mm x 101.6mm	2	Nos.	26.00	1 Each	52.00
	Add MA on labour charges for fixing Teak wood blocks	0.20		9.00		1.80
						4311.00
	Overheads&Contractors Profit @13.615%	0.13615		4311.00		586.94

						4897.94
	Rate per Each					4898
9	Supplying and fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of white glazed with 'S' trap, supplying and fixing best Indian make plastic seat and lid for European water closets with rubber or plastic Buffers as per IS 2548-1996 and 10 litres capacity single flush PVC low level cistern with internal components and fixed using required size of nails and screws, angle stop cock 12.70mm dia. first quality Indian make heavy duty, 12mm PVC connections with brass union nuts CP coated including cost and conveyance of all materials to site, overheads & contractors profit etc., complete for finished item of work for all floors.					
	Cost of EWC with 'S' trap	1	No	1964.00	1	Each 1964.00
	Add MA on labour charges for fixing EWC	0.20		264.00		52.80
	Supply and fixing of 10 lts. Capacity lowdown PVC flushing tank	1	No	1455.00	1	Each 1455.00
	Plastic seat and lid for European Water Closet and rubber buffers	1	No	891.00	1	Each 891.00
	Add MA on labour charges for fixing Plastic seat and lid for EWC and rubber buffers	0.20		76.00		15.20
	Angle stop cock 12.70mm	1	No.	474.00	1	Each 474.00
	Add MA on labour charges for fixing angle stop cock	0.20		43.00		8.60
	12.70mm dia PVC connection with brass union nuts	1	No	102.00	1	Each 102.00
	Add MA on labour charges for fixing PVC connection with brass union nuts	0.20		20.00		4.00
	Cutting holes in brick masonry	1	No.	47.00	1	Each 47.00
	Add MA on labour charges for cutting holes in brick masonry	0.20		47.00		9.40
	Cost of 76.2 x 101.60 mm teakwood blocks	2	Nos	26.00	1	Each 52.00
	Add MA on labour charges for fixing Teak wood blocks	0.20		9.00		1.80
						5076.80
	Overheads&Contractors Profit @13.615%	0.13615		5076.80		691.21
						5768.01
	Rate per Each					5768
10	Supplying and fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 of size 550mm x 400mm with 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make heavy duty complete with standard CI brackets including wooden blocks, 1 No. 12.70mm PVC connection with brass union nuts CP coated, angle stop cock 12.70mm dia. first quality Indian make heavy duty, 31.75mm dia. PVC flexible waste pipe 914.4mm length of 1st quality including cost and conveyance of all materials to site, labour charges, overheads & contractors profit for finished item of work					
	Cost of Wash hand basin	1	No.	1782.00	1	Each 1782.00
	Add MA on labour charges for fixing Wash hand b	0.20		377.00		75.40
	Angle stop cock 12.70mm	1	No.	474.00	1	Each 474.00
	Add MA on labour charges for fixing angle stop cock	0.20		43.00		8.60
	12.70mm PVC connection with brass union nuts	1	No.	102.00	1	Each 102.00
	Add MA on labour charges for fixing PVC connection with brass union nuts	0.20		20.00		4.00
	Deduct cost of NP chain and rubber plug	1	No.	42.00	1	Each -42.00
	31.75mm dia. PVC flexible waste pipe	1	No.	26.00	1	Each 26.00
						2430.00
	Overheads&Contractors Profit @13.615%	0.13615		2430.00		330.84
						2760.84
	Rate per Each				say	2761
11	Supplying and fixing NP soap dish heavy type of approved make ISI quality with NP screws etc., complete including cost and conveyance of all materials, labour charges for fixing, overheads & contractors profit for finished item of work in all floors					
	Cost of NP soap dish	1	No.	243.00	1	Each 243.00
	Add for MA @ 20%	0.20		12.00		2.40
						245.40
	Overheads&Contractors Profit @13.615%	0.13615		245.40		33.41
						278.81
	Rate per Each				say	279
12	Supplying and fixing TV shape mirror with plastic frame of size 609.6mm x 457.2mm, plywood back with NP screws 1st quality including cost and conveyance of all materials, labour charges, overheads & contractors profit for finished item of work in all floors.					
	Rate as per SSR	1	No.	513.00		Each 513.00
	Add for MA @ 20%	0.20		116.00		23.20

						536.20
	Overheads&Contractors Profit @13.615%	0.13615		536.20		73.00
						609.20
	Rate per Each				say	609
13	Supplying and fixing of 25.4mm dia , 609.6mm long aluminium anodized towel rods with brackets and aluminium screws including cost and conveyance of all materials, labour charges , overheads & contractors profit for finished item of work.					
	Rate as per SSR	1	No.	164.00	Each	164.00
	Add for MA @ 20%	0.20		44.00		8.80
						172.80
	Overheads&Contractors Profit @13.615%	0.13615		172.80		23.53
						196.33
	Rate per Each				say	196
14	Supplying and fixing steel surgical long elbow action handle 12.7mm dia bib cock as approved by the Engineer-In-Charge including cost and conveyance of all materials, labour charges , overheads & contractors profit complete for finished item of work in all floors.					
	Rate as per SSR	1	No.	990.00	Each	990.00
	Overheads&Contractors Profit @13.615%	0.13615		990.00		134.79
						1124.79
	Rate per Each				say	1125
15	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make heavy duty as approved by the Engineer-In-Charge including cost and conveyance of all materials, labour charges , overheads & contractors profit complete for finished item of work in all floors.					
	Rate as per SSR	1	No.	258.00	Each	258.00
	Add for MA @ 20%	0.20		29.00		5.80
						263.80
	Overheads&Contractors Profit @13.615%	0.13615		263.80		35.92
						299.72
	Rate per Each				say	300
16	Supplying and fixing of SWR PVC pipes (Prince/Sudhakar/Kisan/Supreme or any ISI brand) 4 Kg/Sq.cm. and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges, overheads & contractors profit complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)					
	a) 75mm dia					
	Data for 6 RM					
	Cost of 75mm dia pipe	6.00	RM	255.00	3 RM	510.00
	Cost of PVC clamps	3	Nos.	15.00	Each	45.00
	Labour charges	6.00	RM	70.00	1 RM	420.00
						975.00
	Rate per 1 RM					162.50
	Overheads&Contractors Profit @13.615%	0.13615		162.50		22.12
						184.62
					say	185
	b) 90mm dia					
	Data for 6 RM					
	Cost of 90mm dia pipe	6.00	RM	405.00	3 RM	810.00
	Cost of PVC clamps	3	Nos.	17.00	Each	51.00
	Labour charges	6	RM	70.00	1 RM	420.00
						1281.00
	Rate per 1 RM					213.50
	Overheads&Contractors Profit @13.615%	0.13615		213.50		29.07
						242.57
					say	243
	c) 110mm dia					
	Data for 6 RM					
	Cost of 110mm dia pipe	6.00	RM	484.00	3 RM	968.00
	Cost of PVC clamps	3	Nos.	18.00	Each	54.00
	Labour charges	6	RM	70.00	1 RM	420.00
						1442.00
	Rate per 1 RM					240.33
	Overheads&Contractors Profit @13.615%	0.13615		240.33		32.72
						273.05
					say	273
	d) 160mm dia					
	Data for 6 RM					
	Cost of 160mm dia pipe	6.00	RM	1153.00	3 RM	2306.00
	Cost of PVC clamps	3	Nos.	35.00	Each	105.00

	Labour charges	6 RM	70.00	1 RM	420.00
	Rate per 1 RM				2831.00
	Overheads & Contractors Profit @13.615%	0.13615	471.83		471.83
					64.24
				say	536.07
					536
17	Supply and fixing of Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings SDR 13.5 to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" to 2") for hot and cold water (IS 15778:2007) including cost and conveyance of all materials to site, labour charges for fixing, overheads & contractors profit complete for finished item of work at all floor levels.				
a)	15.90mm OD pipe				
	Rate as per SoR	1 No.	141.00	Each	141.00
	Overheads & Contractors Profit @13.615%	0.13615	141.00		19.20
	Rate per 1 RM				160.20
				say	160
b)	22.20mm OD pipe				
	Rate as per SoR	1 No.	160.00	Each	160.00
	Overheads & Contractors Profit @13.615%	0.13615	160.00		21.78
	Rate per 1 RM				181.78
				say	182
c)	28.60mm OD pipe				
	Rate as per SoR	1 No.	212.00	Each	212.00
	Overheads & Contractors Profit @13.615%	0.13615	212.00		28.86
	Rate per 1 RM				240.86
				say	241
d)	34.90mm OD pipe				
	Rate as per SoR	1 No.	289.00	Each	289.00
	Overheads & Contractors Profit @13.615%	0.13615	289.00		39.35
	Rate per 1 RM				328.35
				say	328
e)	41.30mm OD pipe				
	Rate as per SoR	1 No.	360.00	Each	360.00
	Overheads & Contractors Profit @13.615%	0.13615	360.00		49.01
	Rate per 1 RM				409.01
				say	409
f)	54.90mm OD pipe				
	Rate as per SoR	1 No.	525.00	Each	525.00
	Overheads & Contractors Profit @13.615%	0.13615	525.00		71.48
	Rate per 1 RM				596.48
				say	596
18	Supply and fixing of Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings SDR 11 to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" to 2") for hot and cold water (IS 15778:2007) including cost and conveyance of all materials to site, labour charges for fixing, overheads & contractors profit complete for finished item of work at all floor levels.				
a)	15.90mm OD pipe				
	Rate as per SoR	1 No.	156.00	Each	156.00
	Overheads & Contractors Profit @13.615%	0.13615	156.00		21.24
	Rate per 1 RM				177.24
				say	177
b)	22.20mm OD pipe				
	Rate as per SoR	1 No.	189.00	Each	189.00
	Overheads & Contractors Profit @13.615%	0.13615	189.00		25.73
	Rate per 1 RM				214.73
				say	215
c)	28.60mm OD pipe				
	Rate as per SoR	1 No.	227.00	Each	227.00
	Overheads & Contractors Profit @13.615%	0.13615	227.00		30.91
	Rate per 1 RM				257.91
				say	258
d)	34.90mm OD pipe				
	Rate as per SoR	1 No.	310.00	Each	310.00
	Overheads & Contractors Profit @13.615%	0.13615	310.00		42.21
	Rate per 1 RM				352.21
				say	352
e)	41.30mm OD pipe				
	Rate as per SoR	1 No.	383.00	Each	383.00

	Overheads&Contractors Profit @13.615%	0.13615		383.00		52.15
	Rate per 1 RM					435.15
					say	435
f)	54.00mm OD pipe					
	Rate as per SoR	1 No.		560.00	Each	560.00
	Overheads&Contractors Profit @13.615%	0.13615		560.00		76.24
	Rate per 1 RM					636.24
					say	636
19	Supplying & fixing GI pipe Medium Grade properties & weight as per IS 1239 ISI mark in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work.					
a)	15mm Nominal bore					
	Rate as per SSR	1.00 RM		204.00	1 RM	204.00
	Add for MA @ 20%	0.20		41.00		8.20
						212.20
	Overheads&Contractors Profit @13.615%	0.13615		212.20		28.89
						241.09
	Rate per 1 RM				say	241
b)	20mm Nominal bore					
	Rate as per SSR	1.00 RM		227.00	1 RM	227.00
	Add for MA @ 20%	0.20		41.00		8.20
						235.20
	Overheads&Contractors Profit @13.615%	0.13615		235.20		32.02
						267.22
	Rate per 1 RM				say	267
c)	25mm Nominal bore					
	Rate as per SSR	1.00 RM		297.00	1 RM	297.00
	Add for MA @ 20%	0.20		41.00		8.20
						305.20
	Overheads&Contractors Profit @13.615%	0.13615		305.20		41.55
						346.75
	Rate per 1 RM				say	347
d)	32mm Nominal bore					
	Rate as per SSR	1.00 RM		417.00	1 RM	417.00
	Add for MA @ 20%	0.20		41.00		8.20
						425.20
	Overheads&Contractors Profit @13.615%	0.13615		425.20		57.89
						483.09
	Rate per 1 RM				say	483
e)	40mm Nominal bore					
	Rate as per SSR	1.00 RM		466.00	1 RM	466.00
	Add for MA @ 20%	0.20		44.00		8.80
						474.80
	Overheads&Contractors Profit @13.615%	0.13615		474.80		64.64
						539.44
	Rate per 1 RM				say	539
f)	50mm Nominal bore					
	Rate as per SSR	1.00 RM		503.00	1 RM	503.00
	Add for MA @ 20%	0.20		67.00		13.40
						516.40
	Overheads&Contractors Profit @13.615%	0.13615		516.40		70.31
						586.71
	Rate per 1 RM				say	587
20	Supplying and fixing 65 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 in ground or on wall with GI fittings such as elbows tees couplings, nipples, plugs including excavation for trenches and refilling the trenches ,chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work except for GI bends union and GI connectors with checkout and socket Tata or Zenlith make or equivalent					
	Rate as per SSR	1.00 RM		892.00	1 RM	892.00
	Overheads&Contractors Profit @13.615%	0.13615		892.00		121.45
						1013.45
	Rate per 1 RM				say	1013

21	Supplying and fixing Gunmetal Gate (GM peet) valve as per IS-778 Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges , overheads & contractors profit complete for finished item of work.				
	a) 15mm Nominal bore				
	Rate as per SSR	1 No.	636.00	Each	636.00
	Add for MA @ 20%	0.20	44.00		8.80
					644.80
	Overheads&Contractors Profit @13.615%	0.13615	644.80		87.79
					732.59
	Rate per Each			say	733
	b) 20mm Nominal bore				
	Rate as per SSR	1 No.	858.00	Each	858.00
	Add for MA @ 20%	0.20	44.00		8.80
					866.80
	Overheads&Contractors Profit @13.615%	0.13615	866.80		118.01
					984.81
	Rate per Each			say	985
	c) 25mm Nominal bore				
	Rate as per SSR	1 No.	1233.00	Each	1233.00
	Add for MA @ 20%	0.20	44.00		8.80
					1241.80
	Overheads&Contractors Profit @13.615%	0.13615	1241.80		169.07
					1410.87
	Rate per Each			say	1411
	d) 32mm Nominal bore				
	Rate as per SSR	1 No.	1875.00	Each	1875.00
	Add for MA @ 20%	0.20	44.00		8.80
					1883.80
	Overheads&Contractors Profit @13.615%	0.13615	1883.80		256.48
					2140.28
	Rate per Each			say	2140
	e) 40mm Nominal bore				
	Rate as per SSR	1 No.	2533.00	Each	2533.00
	Add for MA @ 20%	0.20	67.00		13.40
					2546.40
	Overheads&Contractors Profit @13.615%	0.13615	2546.40		346.69
					2893.09
	Rate per Each			say	2893
	f) 50mm Nominal bore				
	Rate as per SSR	1 No.	3711.00	Each	3711.00
	Add for MA @ 20%	0.20	90.00		18.00
					3729.00
	Overheads&Contractors Profit @13.615%	0.13615	3729.00		507.70
					4236.70
	Rate per Each			say	4237
	g) 65mm Nominal bore				
	Rate as per SSR	1 No.	5730.00	Each	5730.00
	Add for MA @ 20%	0.20	112.00		22.40
					5752.40
	Overheads&Contractors Profit @13.615%	0.13615	5752.40		783.19
					6535.59
	Rate per Each			say	6536
	h) 80mm Nominal bore				
	Rate as per SSR	1 No.	8494.00	Each	8494.00
	Add for MA @ 20%	0.20	133.00		26.60
					8520.60
	Overheads&Contractors Profit @13.615%	0.13615	8520.60		1160.08
					9680.68
	Rate per Each			say	9681
22	Providing and placing on terrace (at all floor levels)polyethyene water storage tank with double layer approved brand and manufacture with cover and suitable locking arrangement and making necessary holes for inlet and outlets and over flow pipes but without fittings and base support for tanks including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work.				
	Rate as per SSR	1 Ltr	6.00	1 Ltr	6.00
	Add for MA @ 20%	0.20	1.00		0.20
					6.20
	Overheads&Contractors Profit @13.615%	0.13615	6.20		0.84
	Rate per 1 Ltr				7.04

23	Supplying and fixing of stainless steel sink of size 508.00mm x 457.2mm x 203.20mm, 1mm thick of Indian make fixed on cantilever brackets including supply and fixing 31.75mm C.P. waste coupling, 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality including chiselling brick masonry wall and making good & restoring to original surfaces , overheads & contractors profit complete for finished item of work in all floors				
	Rate as per SSR	1	No	5396.00	Each 5396.00
	Add for MA @ 20%	0.20		449.00	89.80
					5485.80
	Overheads&Contractors Profit @13.615%	0.13615		5485.80	746.89
					6232.69
	Rate per Each				say 6233
23	Supplying and fixing of stainless steel sink of size 914.4 mm x 457.2mm, 1mm thick of Indian make fixed on cantilever brackets including supply and fixing 31.75mm C.P. waste coupling, 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality including chiselling brick masonry wall and making good & restoring to original surfaces overheads & contractors profit complete for finished item of work in all floors.				
	Rate as per SSR	1	No	7552.00	Each 7552.00
	Add for MA @ 20%	0.20		506.00	101.20
					7653.20
	Overheads&Contractors Profit @13.615%	0.13615		7653.20	1041.98
					8695.18
	Rate per Each				say 8695
24	Supplying and fixing white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with integral flushing rim fixed with screws complete Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995 as approved by Engineer-in-charge, including supply and fixing 12.7mm PVC connection with brass plumber union nuts CP coated, 12.70mm push cock 1st quality of approved make , 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality including cost and conveyance of all materials to site, labour charges , overheads & contractors profit complete for finished item of work for all floors.				
	Rate as per SSR	1	No	930.00	Each 930.00
	Add for MA @ 20%	0.20		150.00	30.00
	12.7mm PVC connections with brass plumber union nuts	1	No	102.00	Each 102.00
	Add for MA @ 20%	0.20		20.00	4.00
	12.70mm NP push cock	1	No	271.00	Each 271.00
	31.75mm dia. PVC flexible waste pipe	1	No	26.00	Each 26.00
					1363.00
	Overheads&Contractors Profit @13.615%	0.13615		1363.00	185.57
					1548.57
	Rate per Each				Say 1549
25	Supplying and fixing white glazed flat back half stall urinals of size 590 mm x 375 mm x 390 mm with integral flushing rim fixed with screws complete Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995 as approved by Engineer-in-charge, including supply and fixing 12.7mm PVC connection with brass plumber union nuts CP coated, 12.70mm push cock 1st quality of approved make , 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality including cost and conveyance of all materials to site, labour charges etc., overheads & contractors profit complete for finished item of work for all floors.				
	Rate as per SSR	1	No	3100.00	Each 3100.00
	Add for MA @ 20%	0.20		150.00	30.00
	12.7mm PVC connections with brass plumber union nuts	1	No	102.00	Each 102.00
	Add for MA @ 20%	0.20		20.00	4.00
	12.70mm NP push cock	1	No	271.00	Each 271.00
	31.75mm dia. PVC flexible waste pipe	1	No	26.00	Each 26.00
					3533.00
	Overheads&Contractors Profit @13.615%	0.13615		3533.00	481.02
					4014.02
	Rate per Each				Say 4014
26	Supplying and fixing of 16mm to 20 mm thick polished marble slab partitions of size 4' 0" x 2' 0" for urinals including full rounding the edges , fixing in position, polishing, including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work for all floors.				
	Rate as per SSR	0.72	Sqm	1001.97	1 Sqm 721.42
	Chiselling the brick masonry wall	1.20	RM	30.00	1 RM 36.00
	Add for MA @ 20%	0.20		36.00	7.20
	Rounding the edges of marble	2.40	RM	453.00	1 RM 1087.20
	Labour charges for fixing (dadoing labour charges)	0.72	Sqm	#REF!	10 Sqm #REF!
	Add for MA @ 20%	0.20		#REF!	#REF!
					#REF!
	Overheads&Contractors Profit @13.615%	0.13615		#REF!	#REF!
					#REF!
	Rate per Each				Say #REF!

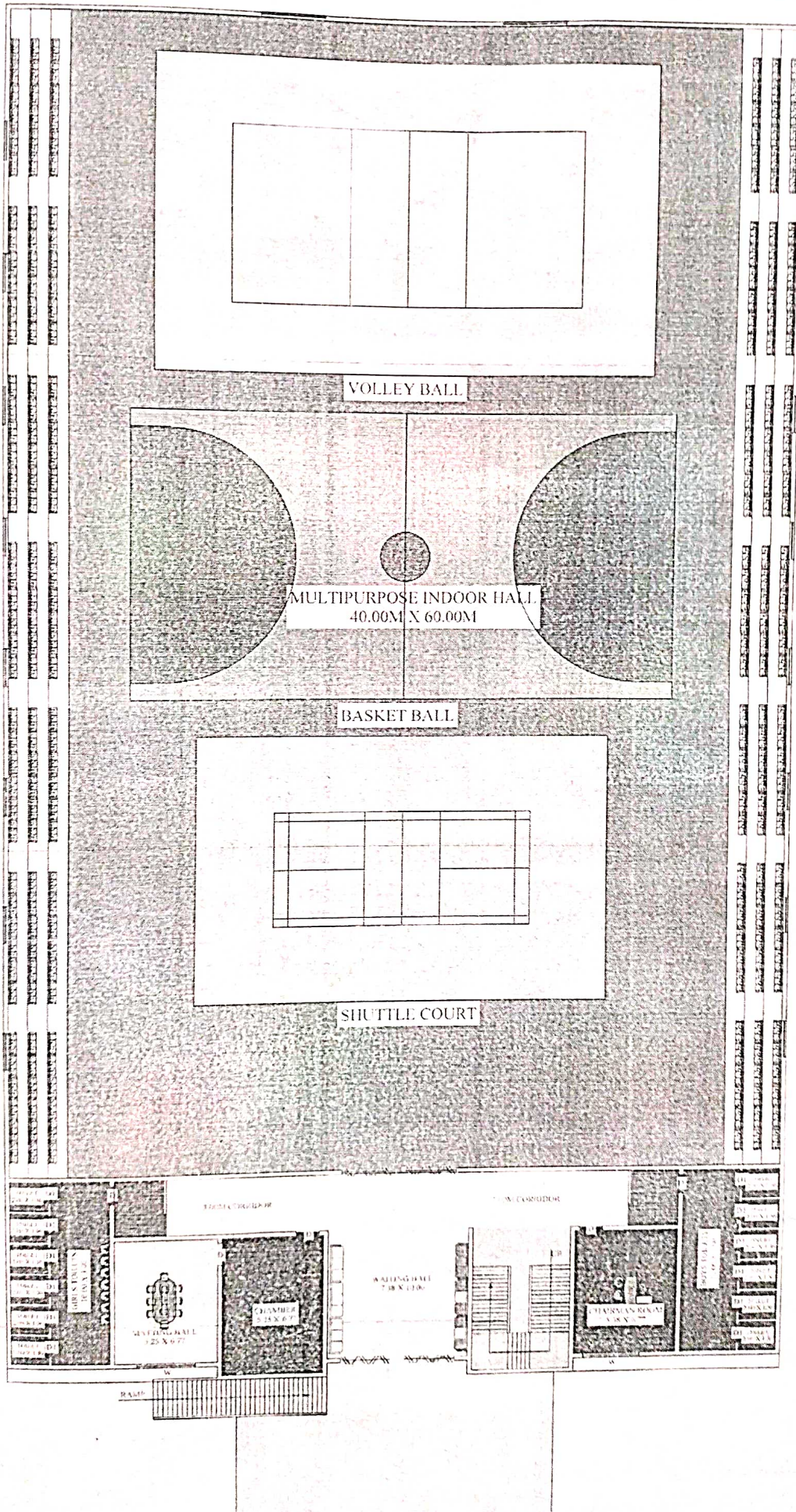
27	Supplying and fixing of 101.60mm x 609.60mm white glazed porcelain channels 1st quality fixed in brick masonry to the required slopes , white cement pointing including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work for all floors.						
	Rate as per SSR	1	No	545.00	1	Each	545.00
	Rate for 1 RM	(1/0.6096)		545.00			894.03
	Overheads&Contractors Profit @13.615%	0.13615		894.03			121.72
							1015.75
					Say		1016
28	Construction of brick masonry support for GI pipe of size 304.80mm x 228.60mm x 228.60 mm in CM (1:8) prop including plastering and finishing with 12mm thick in CM (1:5) including cost and conveyance of all materials and all labour charges, overheads & contractors profit complete for finished item of work for all floors.						
	Rate as per SSR	1	No	76.00	1	Each	76.00
	Add for MA @ 20%	0.20		22.00			4.40
							80.40
	Overheads&Contractors Profit @13.615%	0.13615		80.40			10.95
							91.35
	Rate per Each				Say		91

[Signature]
20/3/23
ASSISTANT ENGINEER
A. P. E. W. I. D. C.
PARVATHIPURAM

[Signature]
20/3/23
Dy. Executive Engineer
A.P.E.W.I.D.C.
PALAKONDA

[Signature]
20/3/23
EXECUTIVE ENGINEER
A. P. E. W. I. D. C.
Parvathipuram Manyam Dist.

[Signature]
31-3-2023



A. P. E. W. I. D. C.
EXECUTIVE ENGINEER
A. P. E. W. I. D. C.

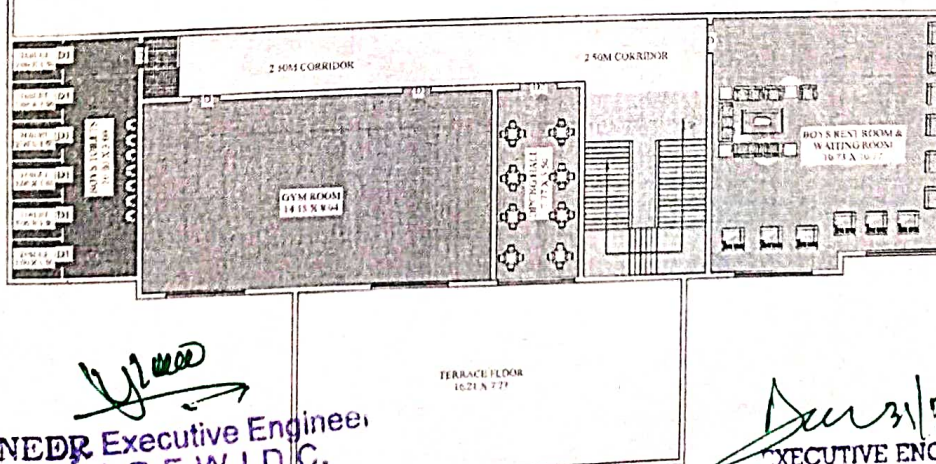
Parvathipuram Manyam Dist.

3-3-2013

A. P. E. W. I. D. C.
Dy. Executive Engineer
A. P. E. W. I. D. C.
PALAKONDA

A. P. E. W. I. D. C.
ASSISTANT ENGINEER
A. P. E. W. I. D. C.
PARVATHIPURAM

MULTIPURPOSE INDOOR HALL



FIRST FLOOR PLAN

21/3/23
ASSISTANT ENGINEER
A. P. E. W. I. D. C.
PARVATHIPURAM

Executive Engineer,
A. P. E. W. I. D. C.
PALAKONDA

EXECUTIVE ENGINEER
A. P. E. W. I. D. C.
Parvathipuram Manyam Dist.

31-3-2023