



**GOVERNMENT OF TAMIL NADU
PUBLIC WORKS DEPARTMENT**

**STANDARD SCHEDULE OF RATES
[FOR BASIC ITEMS ONLY]**

BASIC RATES (EXCLUDING GST & OTHER TAXES)

2021-2022

[WITH EFFECT FROM 13.09.2021]



**GOVERNMENT OF TAMIL NADU
PUBLIC WORKS DEPARTMENT**

**OFFICE OF THE ENGINEER-IN-CHIEF (BUILDINGS) &
CHIEF ENGINEER (BUILDINGS), CHENNAI REGION, PWD, CHENNAI-5.**

Present: *Er. R. Viswanath, M.E. (Structures),
Engineer-in-Chief (Buildings) &
Chief Engineer (Buildings), Chennai Region,
PWD, Chennai-5.*

Proceedings No. HDO (A) / 00926 / 2021-1, dated 13.09.2021

Sub: Public Works Department – **Standard Schedule of Rates with Basic Rates for the year 2021-2022** for adoption in preparation of estimates with effect from **13.09.2021** – Approved – Communication of – Regarding.

Ref: Engineer-in-Chief, WRD & Chief Engineer (General), PWD, Chennai-5, Proceedings No. HDO / Sr.DO-2 / SSR 2020-21 / 20021 / 2020-1, dated 20.04.2020.



The Standard Schedule of Rates with Basic Rates, Basic Cost of Cement and Basic Cost of Steel (excluding all taxes and GST) approved for the year **2021-2022** by the Schedule of Rates Committee for adoption in the preparation of estimates **with effect from 13.09.2021** are herewith enclosed for taking necessary action.

2.0. The receipt of Standard Schedule of Rates with Basic Rates for the year 2021-2022 along with its enclosures may be acknowledged.

Encl.:

Standard Schedule of Rates
with Basic Rates, 2021-2022-1 Booklet

Er. R. Viswanath
13/9/2021
**Engineer-in-Chief (Buildings) &
Chief Engineer (Buildings), PWD,
Chennai Region, Chennai-5.**

To

1. The Engineer-in-Chief, WRD & Chief Engineer (General), PWD, Chennai-5.
2. The Director General, Highways Department, 76, Sardar Patel Road, Guindy, Chennai-25.
3. The Chief Engineer, WRD, Design Research and Construction Support, Chennai-5.
4. The Deputy Secretary to Government, Finance Department, Secretariat, Chennai-9.

Copy to all the Chief Engineers of Water Resources Department.

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Copy to all the Superintending Engineers of Water Resources Department

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Copy to Chief Engineer (Civil Design), Tamil Nadu Slum Clearance Board, Chennai.

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**GOVERNMENT OF TAMIL NADU
PUBLIC WORKS DEPARTMENT**

**OFFICE OF THE ENGINEER-IN-CHIEF (BUILDINGS) &
CHIEF ENGINEER (BUILDINGS), CHENNAI REGION, PWD, CHENNAI-5.**

Present: *Er. R. Viswanath, M.E. (Structures),
Engineer-in-Chief (Buildings) &
Chief Engineer (Buildings), Chennai Region,
PWD, Chennai-5.*

Proceedings No. HDO (A) / 00926 / 2021-2, dated 13.09.2021

- Sub:** Steel – Basic Cost for **STEEL** for adoption in the preparation of estimates during the year **2021-2022** with effect from **13.09.2021** – Approved – Communication of – Regarding.
- Ref:** Engineer-in-Chief, WRD & Chief Engineer (General), PWD, Chennai-5, Proceedings No. HDO / Sr.DO-2 / SSR 2020-21 / 20021 / 2020-2, dated 20.04.2020.



The **Basic Cost of Steel (excluding all taxes and GST)** for the year 2021-2022 approved by the Schedule of Rates Committee for adoption in the preparation of estimates during the year 2021-2022 **with effect from 13.09.2021** is given below:

Steel : Rs.51,750/- per MT

(Rupees Fifty One Thousand, Seven Hundred and Fifty only)

2.0. The above rate is excluding of all taxes & GST, freight charges, etc., at Stockyard / Dealer's Godown. Necessary lead charges (i.e. excluding loading and unloading charges), as applicable as per conveyance table, may be allowed from the Stockyard / Dealer's Godown to the site of work, if duly certified by an officer not below the rank of Assistant Executive Engineer.

3.0. However, in the case, if the source is specified as "Stockyard", the same shall be decided and approved by the Superintending Engineers concerned.

D. S. Srinivasan
13/9/2021
**Engineer-in-Chief (Buildings) &
Chief Engineer (Buildings), PWD,
Chennai Region, Chennai-5.**

To

1. The Engineer-in-Chief, WRD & Chief Engineer (General), PWD, Chennai-5.
2. The Director General, Highways Department, 76, Sardar Patel Road, Guindy, Chennai-25.
3. The Chief Engineer, WRD, Design Research and Construction Support, Chennai-5.
4. The Deputy Secretary to Government, Finance Department, Secretariat, Chennai-9.

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**GOVERNMENT OF TAMIL NADU
PUBLIC WORKS DEPARTMENT**

**OFFICE OF THE ENGINEER-IN-CHIEF (BUILDINGS) &
CHIEF ENGINEER (BUILDINGS), CHENNAI REGION, PWD, CHENNAI-5.**

Present: *Er. R. Viswanath, M.E. (Structures),
Engineer-in-Chief (Buildings) &
Chief Engineer (Buildings), Chennai Region,
PWD, Chennai-5.*

Proceedings No. HDO (A) / 00926 / 2021-3, dated 13.09.2021

Sub: Cement – Basic Cost for **CEMENT** for adoption in the preparation of estimates during the year **2021-2022** with effect from **13.09.2021** – Approved – Communication of – Regarding.

Ref: Engineer-in-Chief, WRD & Chief Engineer (General), PWD, Chennai-5, Proceedings No. HDO / Sr.DO-2 / SSR 2020-21 / 20021 / 2020-3, dated 20.04.2020.



The **Basic Cost of Cement (excluding all taxes and GST)** for the year 2021-2022 approved by the Schedule of Rates Committee for adoption in the preparation of estimates during the year 2021-2022 **with effect from 13.09.2021** is given below:

Cement : Rs.5,960/- per MT

(Rupees Five Thousand, Nine Hundred and Sixty only)

2.0. The above rate is excluding all taxes & GST, freight charges, etc., at Stockyard / Dealer's Godown. Necessary lead charges (i.e. excluding loading and unloading charges), as applicable as per conveyance table, may be allowed from the Stockyard / Dealer's Godown to the site of work, if duly certified by an officer not below the rank of Assistant Executive Engineer.

3.0. However, in the case, if the source is specified as "Stockyard", the same shall be decided and approved by the Superintending Engineers concerned.


**Engineer-in-Chief (Buildings) &
Chief Engineer (Buildings), PWD,
Chennai Region, Chennai-5.**

To

1. The Engineer-in-Chief, WRD & Chief Engineer (General), PWD, Chennai-5.
2. The Director General, Highways Department, 76, Sardar Patel Road, Guindy, Chennai-25.
3. The Chief Engineer, WRD, Design Research and Construction Support, Chennai-5.
4. The Deputy Secretary to Government, Finance Department, Secretariat, Chennai-9.

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STANDARD SCHEDULE OF RATES
[FOR BASIC ITEMS ONLY]
BASIC RATES (EXCLUDING GST & OTHER TAXES)

2021-2022
(W.E.F. 13.09.2021)

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GOVERNMENT OF TAMIL NADU
PUBLIC WORKS DEPARTMENT

STANDARD SCHEDULE OF RATES FOR THE YEAR 2021-2022
(WITH EFFECT FROM 13.09.2021)

GENERAL NOTE

For special nature of works, for which rates are not covered in the Schedule of Rates, such as road works, water supply, drainage, etc., separate schedule of rates issued by the respective officers / department / board are to be followed.

Extra percentage other than those for the specified areas noted below, shall not be allowed.

1. CORPORATION LIMITS:

An extra 10% on the Rates of Labour, Rates of Works and for Head Load shall be allowed for the works in

- (i) Erstwhile Chennai Corporation limits and the belt area of 32 km around erstwhile Chennai Corporation limits (i.e.) prior to formation of Greater Chennai Corporation.
- (ii) Madurai Corporation limits.
- (iii) Coimbatore Corporation limits and also for works in Hosur Taluk.

2. An extra 5% on the Rates of Labour, Rates of Works and for Head Load shall be allowed for the works in Trichy, Salem, Tirunelveli, Tiruppur, Erode, Thoothukudi and Vellore Corporation limits.

3. RESTRICTED AREAS :

- (i) **An extra 10%** on the Rates of Labour and Rates of Works shall be allowed for **sewer works under unhygienic condition.**
- (ii) **An extra 10%** on the Rates of Labour, Rates of Works and Conveyance Charges shall be allowed for works in the campus of **Central Jails.**
- (iii) **An extra 5%** on the Rates of Labour, Rates of Works and Conveyance Charges shall be allowed for works in the campus of **Sub-jails.**

- (iv) **An extra 20%** on Rates of Labour, Rates of Materials, Rates of Works, Conveyance Charges and Head Load shall be allowed for works in **Reserve Forest Areas**.

4. FOR WORKS IN HILLS:

As the transport facilities in most of the Hilly Areas are now considerably improved and as there is no necessity for allowing extra percentage as hitherto followed, the Hilly Areas are now again regrouped as detailed hereunder and the extra percentage allowable has been revised accordingly and fixed.

The conveyance table approved and furnished in the schedule of rates under the Head **V. Conveyance Table, (B). Conveyance of Materials by Road on Hills** shall be adopted for all works in hills.

- (i) For works in **Nilgiris District an extra 40% on the** Rates of Labour, Rates of Works, Head Load and an extra 25% on the Rates of Materials shall be allowed.
- (ii) For works in **Mudumalai Sanctuary, Shandy Nallah Sheep Farm, Dansandle areas, an extra 40%** over Rates of Labour, Rates of Works and Head Load and an extra 25% on the Rates of Materials shall be allowed.
- (iii) For works in **Valparai Area an extra 40% on the** Rates of Labour, Rates of Works, Head Load and an extra 25% on the Rates of Materials shall be allowed.
- (iv) For works in **Gudiyalathur, Siruvani, Thavalamalai Hills, Talavadi Hills, Bargur Hills, Anamalai, Chennimalai and Sivanmalai Hills an extra 20%** on the Rates of Labour, Rates of Materials, Rates of Works and Head Load shall be allowed.
- (v) **For works in Western Ghats** of **Madurai**, Virudhunagar, Coimbatore, Tirunelveli & Kanyakumari Districts an extra 20% on the Rates of Labour, Rates of Materials, Rates of Works and Head Load shall be allowed.

- (vi) (a) **An extra 50%** on the Rates of Labour for works in Thekkady shall be allowed.
- (b) **Add 25% extra** shall be allowable on the Rates of Materials which are to be supplied at Thekkady, subject to the condition that there shall not be any extra on conveyance, tollgate fee, interstate allowance, etc. The conveyance charge as applicable for Ghat Road, Cart Track, etc., as per schedule of rates is only applicable.
- (vii) **An extra 60%** shall be allowable on the Rates of Materials to be supplied for Periyar Dam Site subject to the condition that there shall not be any extra on conveyance, tollgate fee, interstate allowance, etc. The conveyance charge as applicable for Ghat Road, Cart Track, etc., as per schedule of rates is only applicable.
- (viii) **An extra 100%** on the Rates of Labour for works in Periyar Dam Site under normal condition shall be allowed.
- (ix) **An extra 150%** on the Rates of Labour for works in Periyar Dam Site under hanging condition shall be allowed.
- (x) **An extra 50%** on the Rates of Labour, Rates of Materials, Rates of Works and Head Load shall be allowed for the works at Lower Camp above Kuruvanthu Bridge, Bodi Hills, Cumbam mettu, Sirumalai, Pachai Kamatchi Hills, Palani Hills, Tiruparankundram Hills, Idumban Hills, Megamalai Panchayat and Thummakundu Panchayat.
- (xi) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and an extra 25% over the Rates of Materials shall be allowed for the works at Kodaikanal.
- (xii) **An extra 25%** on the Rates of Labour, Rates of Materials, Rates of Works and Head Load shall be allowed for works in Yercaud, Yercaud Sub-Taluk, Boothamalai, Aranuthumalai, Sarugumalai and Thiruchengode Hills in Salem & Namakkal District.

- (xiii) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and **an extra 25%** over the Rates of Materials shall be allowed for works in Kalrayan Hills, Pachamalai Hills and Kolli Hills in Salem & Namakkal Districts.
- (xiv) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and **an extra 25%** over the Rates of Materials shall be allowed for works in Jawadhu Hills, Elagiri Hills, Kalrayan Hills, Nakkanamalai Hills, Naickerner Hills Tiruvannamalai & Vellore Districts.
- (xv) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and **an extra 25%** over the Rates of Materials shall be allowed for works in Piranmalai covering Oduvarpatti, Kattugudi Patti, Ponnadaipattu, V. Pudur Village, Mamalai covering Vannar Irruppu, Nagamangalam Villages, Usilamalai covering Poolankurichi Village, Hillocks at Musundapatti, Usilam, Ammapatti and Thuthampatti in Sivagangai District.
- (xvi) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and **an extra 25%** over the Rates of Materials shall be allowed for works in Chitteri Hills, Sittiling in Kalrayan Hills in Dharmapuri District.
- (xvii) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and **an extra 25%** over the Rates of Materials shall be allowed for works in Kalrayan Hills in Cuddalore & Villupuram Districts.
- (xviii) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and **an extra 25%** over the Rates of Materials shall be allowed for works in Pachamalai Hills in Tiruchy, Karur & Perambalur Districts.

5. ISLANDS IN RAMANATHAPURAM DISTRICT:

(a). For works in Rameswaram Island:

An extra 25% on the Rates of Labour, Rates of Works and Head Load shall be allowed.

(b). For works in Other Islands:

An extra 125% on the Rates of Labour, Rates of Materials, Rates of Works, Conveyance Charges and Head Load shall be allowed for other Islands in Ramanathapuram viz. (1) Upputhannie Island, (2) Puleevilaichalli Island, (3) Aalaippar Island, (4) Valimunai Island, (5) Appa Island, (6) Thalaiyari Island, (7) Valai Island, (8) Mullai Island, (9) Manoli Island, (10) Minoliputti Island, (11) Nadu Island (12) Nallathannie Island, (13) Pullivasal Island (14) Poomarichan Island, (15) Muyal Island, (16) Singala Island and (17) Kurusedar Island.

(c). For works in Islands of Thoothukudi District:

An extra 125% on the Rates of Labour, Rates of Materials, Rates of Works, Conveyance Charges and Head Load shall be allowed for Van, Kasuvar, Karaichalli Island and Vilankuchali Islands.

6. GENERAL FOOT NOTE:

- (i) The rates of labour means the labour rates fixed under the head, **Rates of Labour**.
- (ii) **Rates of Works** includes the labour for earthwork, refilling foundation, dismantling, jungle clearance, head load, etc., also where human labour alone is involved.
- (iii) The percentage increase provided for the materials are applicable **only for the materials which are quarried or manufactured locally in the specified area**.
- (iv) The percentage increase provided for **Rates of Works** are allowable only on the items where human labour alone is involved.
- (v) The percentage increase provided for **Conveyance Charges** are allowable for the distance covered in the specified area / Special Tract only.

- (vi) The extra percentage allowable as specified above shall not be applicable for the materials / works covered under Annexure-VI "Rates of Other Construction Materials" and Annexure-VII "Rates of Electrical Items of Works". Similarly, no conveyance charges shall be allowed for the items covered under these two categories. The rates approved therein are applicable at site of work.
- (vii) While adopting source of any materials inside the special tracts viz., Corporation limits, Reserve Forest Areas, Hilly Areas, Islands, Dam Sites etc., where extra percentage allowable for the materials which are quarried or manufactured locally, it is the duty of the officer in charge of the work (not below the rank of Assistant Executive Engineer), to analyse and confirm whether the finished cost of such materials / works are higher if the materials are conveyed and brought to the site from the areas outside the specified area, where such extra percentage are not permissible.
- (viii) The necessity of inclusion of relevant footnotes in respect of the districts covered under their region other than the general notes furnished above, if any, may be analysed and recommendations sent to the Engineer-in-Chief (Buildings) & Chief Engineer (Buildings), Chennai Region, PWD, Chennai-5 for consideration by the Schedule of Rates Committee and approval.
- (ix) As per Notification No.31/2017- Central Tax(Rate) dated 13th October, 2017 the concessional rate of GST at 12% [CGST at 6%+ SGST at 6%] is leviable for any Government contract, whether Civil or Electrical, irrespective of the GST rate applicable on purchase of goods used in the execution of Government Contract. The contractor is eligible to get refund of excess tax paid over or liable to pay tax as per Notification No.20/2017, Central Tax (Rate) dated 22.8.2017, Notification No.24/2017, Central Tax (Rate) dated 21.9.2017 and Notification No.31/2017, Central Tax (Rate) dated 13.10.2017.

- (x) Further, for Works Contract services involving predominantly earth works (that is, constituting more than 75% of the value of the works contract) supplied to Central Government, State Governments, Local Authority, Governmental Authority for Government Entity shall be taxed at 5% as per Notification No.31/2017 - Central Tax (Rate) dated 13th October, 2017. Therefore, for such contract the amount of GST is to be calculated at 5% [CGST at 2.5%+ SGST at 2.5%] over and above the Basic rate.

NOTE:

- 1. The percentage extra allowable for Tunnels and Dam sites under hanging conditions may be adopted from the Schedule of Rates issued by the Engineer-in-Chief, Water Resources Department, Chennai-5.**

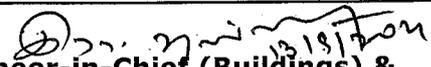

13/9/2021
**Engineer-in-Chief (Buildings) &
Chief Engineer (Buildings), PWD,
Chennai Region, Chennai-5.**


13/9/2021

**STATEMENT SHOWING THE EXTRA PERCENTAGE ALLOWABLE
AS PER GENERAL NOTE TO SCHEDULE OF RATES FOR THE YEAR 2021-2022
(with effect from 13.09.2021)**

Sl. No.	Area	Percentage extra allowable on				
		Labour	Material	Rate of work (where human labour involved)	Conveyance	Head load
1	For works in (i) Erstwhile Chennai Corporation limits and the belt area of 32 km around erstwhile Chennai Corporation limits (i.e.) prior to formation of Greater Chennai Corporation, (ii) Madurai Corporation limits, (iii) Coimbatore Corporation limits and also for works in Hosur Taluk	10%	-	10%	-	10%
2	For works in Trichy, Salem, Tirunelveli, Tiruppur, Erode, Thoothukudi and Vellore Corporation limits	5%	-	5%	-	5%
3	Restricted Areas					
i	For sewer works under unhygienic condition	10%	-	10%	-	-
ii	For works in Central Jail Campus	10%	-	10%	10%	-
iii	For works in Sub-Jail Campus	5%	-	5%	5%	-
iv	For works in Reserve Forest Areas	20%	20%	20%	20%	20%
4	Hills					
i	For works in Nilgiris District	40%	25%	40%	-	40%
ii	For works at Mudumalai Sanctuary, Shandy Nalla Sheep Form, Dansandle Area	40%	25%	40%	-	40%
iii	For works at Valparai	40%	25%	40%	-	40%
iv	For works at Gudiyalathur, Siruvani, Thavalamalai Hills, Thalavadi Hills, Bargur Hills, Anamalai, Chenni Malai and Sivanmalai Hills	20%	20%	20%	-	20%
v	For works in Western Ghats of Madurai, Virudhunagar, Coimbatore, Tirunelveli and Kanyakumari Districts	20%	20%	20%	-	20%
	In Madurai, Theni and Dindigul Districts					
vi	For works at Thekkady	50%	25%	-	-	-
vii	For works at Periyar Dam Site	-	60%	-	-	-
viii	For works at Periyar Dam Site under normal condition	100%	-	-	-	-
ix	For works at Periyar Dam Site under hanging condition	150%	-	-	-	-

Sl. No.	Area	Percentage extra allowable on				
		Labour	Material	Rate of work (where human labour involved)	Conveyance	Head load
x	For works at Lower Camp above Kuruvanthu Bridge, Bodi Hills, Cumbam Mettu, Sirumalai, Pachai Kamatchi Hills, Palani Hills, Tiruparankundram Hills, Irdumban Hills, Megamalai Panchayat and Thummakundu Panchayat	50%	50%	50%	-	50%
xi	For works at Kodaikanal	40%	25%	40%	-	40%
xii	For works at Yercaud Hills, Yercaud Sub-Taluk, Boothamalai, Aranuthumalai, Sarugumalai and Tiruchengodu Hills in Salem and Namakkal Districts	25%	25%	25%	-	25%
xiii	For works at Kalrayan Hills, Pachamalai Hills, Kolli Hills in Salem and Namakkal Districts	40%	25%	40%	-	40%
xiv	For works at Jawadhu Hills, Elagiri Hills, Kalrayan Hills, Nakkanamalai Hills, Naickenneri Hills in Tiruvannamalai and Vellore Districts	40%	25%	40%	-	40%
xv	For works at Piranmalai covering Oduvarpatti, Kattugudipatti, Pannadaipattu, V.Pudur Villages, Mamalai covering Vannar Iruppu, Nagamangalam Villages, Usilamalai covering Poolankurichi Village, Hillocks at Musundapatti, Usilam, Ammapatty and Thuthampatti in Sivagangai District	40%	25%	40%	-	40%
xvi	For works at Chitheri Hills, Sittiling in Kalrayan Hills in Dharmapuri District	40%	25%	40%	-	40%
xvii	For works at Kalrayan Hills in Cuddalore and Villupuram Districts	40%	25%	40%	-	40%
xviii	For works at Pachamalai Hills in Trichy, Karur and Perambalur Districts	40%	25%	40%	-	40%
5	Islands					
i	For works at Rameswaram Island in Ramanathapuram District	25%	-	25%	-	25%
ii	For works in other Islands, viz. Upputhannie, Puleevilaichalli, Alaiappar, Valimunai, Appa, Thalaiyari, Valai, Mullai, Manoli, Minidiputti, Nadu, Nallathannie, Pullivasal, Poomarichan, Muyal, Singala, Kuruseedar Islands in Ramanathapuram District	125%	125%	125%	125%	125%
iii	For works in Van, Kasuvar, Karaichalli and Vilankurichi Islands in Thoothukudi District	125%	125%	125%	125%	125%
NOTE:						
1	The percentage extra allowable for Tunnels and Dam sites under hanging conditions may be adopted from the Schedule of Rates issued by the Engineer-in-Chief, Water Resources Department, Chennai-5					


**Engineer-in-Chief (Buildings) &
Chief Engineer (Buildings), PWD,
Chennai Region, Chennai-5.**

ANNEXURE-I

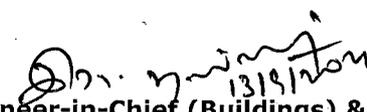
RATES OF LABOUR

Sl. No.	Sch. Item No.	Description of Labour	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
I		HIGHLY SKILLED CATEGORY		
1	76A	Technical Assistant Grade-I (B.E.Passed)	Day	1049.00
2	76B	Technical Assistant Grade-II (Diploma in Engg. Passed / B.E. Failed / Degree in Geology for Ground Water Works)	Day	945.00
3	76C	Technical Assistant Grade-III (Diploma in Engg. Failed / ITI (Civil) Passed)	Day	799.00
4	76D	Cinema Operator (ITI Passed)	Day	659.00
5	77A	Laboratory Assistant Grade-I (Post Graduate in Science)	Day	799.00
6	77B	Laboratory Assistant Grade-II (Degree in Science / Degree in Geology for Ground Water)	Day	732.00
7	77C	Laboratory Assistant Grade-III (With Degree Qualification to work as Works Clerk)	Day	659.00
8	76E	B.Sc., (Agriculture) Passed	Day	945.00
9	89A	Computer Operator Grade-I [B.E. (Computer Science) / M.Sc., (Computer Science)]	Day	1049.00
10	89B	Computer Operator Grade-II [B.Sc. (Computer Science) / Diploma in Computer Science]	Day	945.00
11	100	Wireman Grade-I / Electrician Grade-I	Day	712.00
II		SKILLED CATEGORY		
12	4	Blacksmith-I Class	Day	663.00
13	11	Carpenter-I Class	Day	842.00
14	15	Cleaner-First Grade	Day	448.00
15	19	Fitter-I Class	Day	760.00
16	20	Fitter (Pipe Laying / Bar Bending)-I Class	Day	747.00
17	21	Floor Polisher	Day	663.00

Sl. No.	Sch. Item No.	Description of Labour	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
18	25	Hammer Mazdoor	Day	533.00
19	27	Driver (Light Duty)	Day	663.00
20	27A	Driver (Heavy Duty)	Day	708.00
21	36	Maistry, Road Inspector & Work Inspector	Day	639.00
22	36A	Maistry, Road Inspector & Work Inspector (Degree Holder)	Day	708.00
23		Skilled Mason Class-I for Heritage Work	Day	1215.00
24		Skilled Mason Class-II for Heritage Work	Day	1062.00
25	37	Mason for Brick Work-I Class	Day	861.00
26		Skilled Sthapathy Brick Mason for Heritage Work	Day	1519.00
27	38	Mason for Stone Work-I Class	Day	861.00
28		Skilled Sthapathy Stone Mason for Heritage Work	Day	1519.00
29	40	Mechanic-I Class	Day	663.00
30	44	Painter / Varnisher-I Class	Day	688.00
31	46	Pile Driver	Day	611.00
32	47	Plumber-I Class	Day	747.00
33	52	Sawyer	Day	611.00
34	54	Smith-I Class	Day	661.00
35	56	Stone Cutter-I Class	Day	661.00
36	58	Syrang-I Class	Day	661.00
37	62	Tinker-I Class	Day	533.00
38	63	Turner-I Class	Day	611.00
39	64	Time Keeper-I Class	Day	661.00
40	67	Welder / Bracer-I Class	Day	661.00
41	72	Wodder	Day	556.00
42	81	Compressor Operator	Day	584.00
43	97	Geological Assistant	Day	817.00
44	98	Stone & Crusher Operator	Day	584.00

Sl. No.	Sch. Item No.	Description of Labour	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
45	101	Wireman Grade-II / Electrician Grade-II	Day	708.00
46	103	Lift Operator	Day	639.00
47	104	Laboratory Attendant	Day	476.00
48	105	Sound Service Operator	Day	533.00
49	106	Electrical Maistry	Day	817.00
III		SEMI SKILLED CATEGORY		
50	2	Axe Mazdoor	Day	525.00
51	4A	Blacksmith-II Class	Day	637.00
52	8	Bullocks Pair with Driver (with Bandy)	Day	1039.00
53	8A	Bullocks Single with Driver (with Bandy)	Day	747.00
54	12	Carpenter-II Class	Day	804.00
55	15A	Cleaner-Second Grade	Day	443.00
56	19A	Fitter-II Class	Day	739.00
57	20A	Fitter (Pipe Laying / Bar Bending)-II Class	Day	724.00
58	22	Gardener	Day	525.00
59	28	Jumper Mazdoor	Day	525.00
60	37A	Mason for Brick Work-II Class	Day	804.00
61	38A	Mason for Stone Work-II Class	Day	804.00
62	39A	Mazdoor Category-I	Day	562.00
63	39C	Head Mazdoor	Day	581.00
64	40A	Mechanic-II Class	Day	637.00
65	44A	Painter / Varnisher-II Class	Day	666.00
66	47A	Plumber-II Class	Day	724.00
67	48	Pump Driver	Day	581.00
68	54A	Smith-II Class	Day	637.00
69	56A	Stone Cutter-II Class	Day	637.00
70	58A	Syrang-II Class	Day	637.00

Sl. No.	Sch. Item No.	Description of Labour	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
71	60	Thatcher	Day	556.00
72	62A	Tinker-II Class	Day	525.00
73	63A	Turner-II Class	Day	581.00
74	64A	Time Keeper-II Class	Day	637.00
75	67A	Welder / Bracer-II Class	Day	637.00
76	78A	Mazdoor employed for Geological mapping	Day	562.00
77	78B	Mazdoor employed for Pitting, Trenching, Sampling & Drilling works	Day	562.00
78	78C	Mazdoor employed for Geophysical investigation works	Day	562.00
79	78D	Head Mazdoor to Supervise exploratory works	Day	594.00
80	79	Mixer Operator (including concrete mixer)	Day	611.00
81	80	Mixer Driver	Day	581.00
82	99	Heavy Mazdoor	Day	611.00
83	102	Electrical Helper	Day	556.00
IV		UN-SKILLED CATEGORY		
84	39B	Mazdoor Category-II	Day	461.00
NOTE:				
1	The Basic Rate adopted under this Head, "Annexure-I – Rates of Labour" is exclusive of all taxes and GST.			
2	The Rates of Labour other than mentioned above shall be adopted from the Schedule of Rates issued by the Engineer-in-Chief, Water Resources Department, Chennai-5			


 13/9/2021
 Engineer-in-Chief (Buildings) &
 Chief Engineer (Buildings), PWD,
 Chennai Region, Chennai-5.


 13/9/2021

ANNEXURE-II
RATES OF MATERIALS

Sl. No.	Sch. Item No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
		A. BRICKS AND TILE PRODUCTS		
	1	Second Class Table Moulded Chamber Burnt Bricks		
1	a	9" x 4 ¹ / ₂ " x 3"	1000 Nos.	7695.00
2	b	9" x 4 ³ / ₈ " x 2 ³ / ₄ "	1000 Nos.	7400.00
	2	Second Class Ground Moulded Chamber Burnt Bricks		
3	a	9" x 4 ¹ / ₂ " x 3"	1000 Nos.	6630.00
4	b	9" x 4 ³ / ₈ " x 2 ³ / ₄ "	1000 Nos.	6435.00
	3	Third Class Country Brick Kiln Burnt		
5	a	8 ³ / ₄ " x 4 ¹ / ₄ " x 2 ³ / ₄ "	1000 Nos.	5570.00
6	b	8 ³ / ₄ " x 4 ¹ / ₄ " x 2 ¹ / ₄ "	1000 Nos.	4380.00
7	c	8 ³ / ₄ " x 4 ¹ / ₄ " x 2"	1000 Nos.	4195.00
	3A	Fly Ash Bricks		
8	a	230 x 110 x 70mm	1000 Nos.	6435.00
	b	230 x 110 x 75mm	1000 Nos.	6630.00
	4	Specially Moulded Country Brick for well steining		
9	a	8 ³ / ₄ " x 4 ¹ / ₄ " x 2"	1000 Nos.	2465.00
10	b	Perforated Bricks 19 x 9 x 9cm	1000 Nos.	3760.00
11	c	Terrace Bricks 15 x 7.5 x 2.5cm	1000 Nos.	965.00
12		Special Bricks 8" x 4" x 2" for Heritage Works	1000 Nos.	13040.00
13		Terrace Bricks 6" x 3" x 1" for Heritage Works	1000 Nos.	9780.00
14		Wire Cut Bricks for Heritage Works		
	a	Size 9" x 4" x 3"	1000 Nos.	13040.00
	b	Size 9" x 4" x 2"	1000 Nos.	10870.00
	c	Size 9" x 6.5" x 2"	1000 Nos.	16300.00
	8	Flat Tiles		
15	a	15cm x 15cm x 12mm	1000 Nos.	7890.00
16	b	15cm x 15cm x 20mm	1000 Nos.	9370.00

Sl. No.	Sch. Item No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	10	Brick Jelly		
17	a	40mm size	cum.	688.00
18	b	20mm size	cum.	767.00
	11	Pressed Tiles		
19	a	20 x 20 x 2cm	1000 Nos.	11356.00
20	b	23 x 23 x 2cm	1000 Nos.	16106.00
	12	Pan Tiles		
21	a	23cm x 8cm x 1.7cm	1000 Nos.	437.00
22	b	16.5cm x 8cm x 1.7cm	1000 Nos.	360.00
	13	Best Mangalore Tiles		
23	a	I Class 'A'	1000 Nos.	10490.00
24	b	Class 'AA'	1000 Nos.	10700.00
25	c	Best Mangalore Ridge Tiles	1000 Nos.	30700.00
26	d	Best Mangalore Ceiling Tiles	1000 Nos.	6450.00
27	e	Best Mangalore Glass Roofing Tiles	Each	301.00
28	f	Best Mangalore Ventilating Tiles (Single)	Each	45.00
29	g	Best Mangalore Ventilating Tiles (Double)	Each	57.00
	23A	Mosaic Flooring Tiles (Grey)		
30	a	Mosaic (Grey) Tile 25 x 25 x 2cm	1000 Nos.	11790.00
31	b	Mosaic (Grey) Tile 20 x 20 x 2cm	1000 Nos.	7530.00
	23C	Mosaic (other Colour)		
32	a	Mosaic (other colour) Tile 25 x 25 x 2cm	1000 Nos.	16270.00
33	b	Mosaic (other colour) Tile 20 x 20 x 2cm	1000 Nos.	9600.00
34	c	Mosaic (Green) Tile 20 x 20 x 2cm	1000 Nos.	11790.00
35	d	Mosaic (Green) Tile 25 x 25 x 2cm	1000 Nos.	18490.00
36	24	Mosaic Chequered Tile Grey Colour Size 25 x 25 x 2 cm	1000 Nos.	14800.00
37		Attangudi Tiles for Heritage Works		
a		Size 8" x 8" x 3/4"	Each	26.70
b		Size 10" x 10" x 3/4"	Each	32.40

Sl. No.	Sch. Item No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
		B. STONE AND ROAD MATERIALS		
38	27	Rough Stone for masonry works (Hard Granite)	cum.	445.00
39	29a	Cut Stone Pillar of size 0.15 x 0.15 x 2.1m	Each	164.00
40	30a	From boulders without blasting for masonry	cum.	146.00
41	32	Course Rubble Stone for masonry works	cum.	355.00
42	33	Course Rubble Stone for Arch works	cum.	385.00
43	36	Ashlar Arch Stone Fully Dressed to size all faces	cum.	4845.00
44	38	Flooring Stone SS Size (Not less than 10cm thick)	sqm.	353.00
45	42	Bond Stones	cum.	642.00
	48	Hard Broken Granite Stone Jelly (I.S.S.) Machine crushed / Hand broken		
46	i	HBGS Jelly 90mm size	cum.	440.00
47	ii	HBGS Jelly 80mm size	cum.	493.00
48	iii	HBGS Jelly 63mm size	cum.	569.00
49	iv	HBGS Jelly 50mm size	cum.	661.00
50	v	HBGS Jelly 40mm size	cum.	1029.00
51	vi	HBGS Jelly 25mm size	cum.	884.00
52	vii	HBGS Jelly 20mm size	cum.	1432.00
53	viii	HBGS Jelly 12mm size	cum.	1329.00
54	ix	HBGS Jelly 10mm size	cum.	977.00
55	x	HBGS Jelly 6mm size	cum.	661.00
56	xi	HBGS Jelly 3mm size	cum.	595.00
57	49 b	Quartz metal		
a	i	Quartz Metal 50mm	cum.	96.80
b	ii	Quartz Metal 40mm	cum.	97.80
58	52	Laterite 40 to 75mm size	cum.	96.80
59	53	Kankar 40 to 75mm size	cum.	96.80
60	54	Soling Stones unblasted 15cm cube	cum.	113.00
61	54a	Soling Stones blasted 15cm cube	cum.	184.00
62	57	Gravel	cum.	216.30

Sl. No.	Sch. Item No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
63	57A	Well Gravel	cum.	161.70
64	57B	Screened Kankar Gravel	cum.	118.40
65	58	Quarry Rubbish	cum.	95.70
66	58A	Stone Dust	cum.	122.50
67	58B	Pond Ash (wet / dry)	cum.	94.70
68	58C	Crushed Stone Sand (Commercially called M-Sand)	cum.	1280.00
69	58D	Plastering Sand (P-Sand)	cum.	1285.00
70	59	Sand for Mortar *	cum.	447.00
71	60	Sand for Filling *	cum.	447.00
72	62	Clay for Puddle & Masonry	cum.	37.00
73	63 (i)	Cuddapah Slab 50mm Thick	sqm.	421.00
74	ii	Cuddapah Slab 38 / 40mm Thick	sqm.	404.00
75	iii	Cuddapah Slab 20 / 30mm Thick	sqm.	373.00
		C. Lime		
76	66	Shell Lime (Slaked & Screened)	cum.	1322.00
77	67	Freshly Slaked & Screened Burnt Lime Stone	cum.	974.00
78	68	Stone Lime or Lime Metal	cum.	84.00
79		Unslaked Pollachi Lime for Heritage Works	cum.	10345.00
		D. Timber and Roofing Materials		
80	71	TW Scantlings (over 3m for joist and rafters) - Malabar	cum.	116600.00
81	72	TW Scantlings (for Tiebeams and principal rafters) - Malabar	cum.	114700.00
82	73	TW Scantlings (over 2m & below 3m in length) - Malabar	cum.	111600.00
83	74	TW Scantling (below 2m in length) - Malabar	cum.	99400.00
84	75 (i)	TW Planks (over 45cm wide & 12mm thick)	cum.	123100.00
85	ii	TW Planks (30-45cm wide & 12mm thick)	cum.	114300.00
86	iii	TW Planks (30-45cm wide & 12-25mm thick)	cum.	107000.00
87	iv	TW Planks (30-45cm wide & 25-40mm thick)	cum.	102600.00
88	v	TW Planks (15-30cm wide & 12mm thick)	cum.	99900.00
89	vi	TW Planks (15-30cm wide & 12-25mm thick)	cum.	95000.00

Sl. No.	Sch. Item No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
90	vii	TW Planks (15-30cm wide & 25-40mm thick)	cum.	93100.00
91	viii	TW Planks (upto 15cm wide & 12mm thick)	cum.	91300.00
92	ix	TW Planks (upto 15cm wide & 12-25mm thick)	cum.	91300.00
93	x	TW Planks (upto 15cm wide & 25-40mm thick)	cum.	86200.00
94		Seasoned Teakwood for Scantling and Planks for Heritage Works	cum.	185200.00
	76	Teak Wood Reepers		
95	i	TW Reepers 50 x 25mm	RM	76.00
96	ii	TW Reepers 50 x 12mm	RM	61.00
	77	Country Wood Scantling		
97	i	CW Scantling (upto 4m in length)	cum.	34300.00
98	ii	CW Scantling (over 4m in length)	cum.	36200.00
99	77A	CW Scantling for tie beams & principal rafters for trusses	cum.	36200.00
100	77B	Jack Wood Scantlings (upto 4m)	cum.	37900.00
101	77D	Silver Oak Scantlings	cum.	15500.00
	78	Country Wood Planks		
102	i	CW Planks (upto 30cm wide-40mm thick)	cum.	39400.00
103	ii	CW Planks (upto 30cm wide-25mm thick)	cum.	39400.00
104	iii	CW Planks (over 30cm wide-40mm thick)	cum.	39400.00
105	iv	CW Planks (over 30cm wide-25mm thick)	cum.	39400.00
106	78A	JW Planks (25-40mm thick)	cum.	41300.00
107	78B	Silver Oak Plank (40mm thick)	cum.	17600.00
108	78C	Bluegum Plank	cum.	18100.00
	79	Country Wood Reepers		
109	i	CW Reepers (50 x 25mm)	RM	34.60
110	ii	CW Reepers (50 x 12mm)	RM	24.90
111	80	Mango Plank	cum.	16700.00
112	81	Palmyrah Rafter (50-60mm wide & 125mm depth)	RM	49.50
113	a	Palmyrah Leaves	100 Nos.	255.00

Sl. No.	Sch. Item No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
114	b	Palmyrah Leaves (labour for cutting)	100 Nos.	40.20
	90	Casurina Poles		
115	a	Casurina Poles 13cm-15cm dia	RM	33.00
116	b	Casurina Poles 10cm-13cm dia	RM	25.20
117	c	Casurina Poles 8cm-10cm dia	RM	19.20
118	d	Casurina Poles 5cm-8cm dia	RM	17.50
	90.1	Eucalyptus Poles		
119	a	13cm to 15cm dia	RM	33.00
120	b	10cm to 13cm dia	RM	23.60
121	c	8cm to 10cm dia	RM	19.20
122	d	5cm to 8cm dia	RM	16.40
123	e	Below 5cm	RM	15.00
124	90.2	Eucalyptus Bullies 4cm to 5cm dia and cross ties	RM	12.00
125	91	Casurina Bullies 4cm-5cm dia & cross ties	RM	13.50
126	92	Bamboo Large (10cm dia and above)	RM	12.00
127	93	Bamboo (7.5cm-10cm dia)	RM	10.60
		E. Metal and Iron Items		
128	111	Mild Steel Plates or Sheets BG 10	Kg	47.30
129	112	Mild Steel Angles 25 x 25 x 3 mm	Kg	47.30
130	113 a	Binding Wire (Black 18 G)	Kg	50.30
131	113 b	Binding Wire (Galvanised-18 G)	Kg	50.30
132	114	GI Sheets 30cm wide and 1.6mm thick	sqm.	349.00
133	126 i	Weld Mesh 7.5 x 2.5cm 10 Gauge	sqm.	339.00
134	ii	Weld Mesh 7.5 x 5cm 10 Gauge	sqm.	303.00

Sl. No.	Sch. Item No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
135	iii	Weld Mesh 10 x 10cm 10 Gauge	sqm.	164.00
136	129	Chicken Mesh	sqm.	36.30
137	130	Fly Proof Mesh	sqm.	104.00
138	131	Supplying Mild Steel Grills for windows, ventilators, etc., including priming coat	Kg	62.60
Note:				
1	For road works, the Schedule of Rates of Highways Department may be adopted in respect of materials for which rates are not available in this schedule of Rates.			
2	For all the materials viz. Bricks and Tile Products, Stone Jelly, Gravel, Sand, Lime Stone, etc., necessary incidental charges, loading charges and unloading charges have been included in the basic cost of materials listed above. Hence, no separate incidental charges, loading charges and unloading charges shall be allowed for the above materials.			
3	The Basic Rate adopted under this Head, "Annexure-II - Rates of Materials" is exclusive of all taxes and GST.			
4	* The cost of sand as indicated Sl. No.70 & 71 and Schedule Item No.59 & 60 is at Government Sand Depot.			
5	The Rates of Materials other than mentioned above may be adopted from the Schedule of Rates issued by the Engineer-in-Chief, Water Resources Department, Chennai-5			


 Engineer-in-Chief (Buildings) &
 Chief Engineer (Buildings), PWD,
 Chennai Region, Chennai-5.


 13/9/2021

ANNEXURE-III
RATES OF WORKS

Sl. No.	Sch. Item No.	Description of Works	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
		A. Clearing the Site		
1	1	Clearing Heavy Jungle	sqm.	6.75
2	2	Clearing Light Jungle	sqm.	5.05
3	3	Clearing Scrub Jungle	sqm.	4.70
4	4	Uprooting & Removing Large Palmyrah / Coconut Stumps	Each	138.80
5	5	Uprooting & Removing Small Palmyrah / Coconut Stumps	Each	99.70
6	9C	Cleaning Juliflora Jungle with Uprooting	sqm.	7.70
7	9D	Cleaning Juliflora Jungle without Uprooting	sqm.	5.85
		B. Dismantling		
		Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of walls		
8	10	Brick / Stone in Clay Walls under 3m high	cum.	59.20
9	11	Brick / Stone in Clay Walls, add for every additional 3m or part there of over the initial height of 3m	cum.	19.65
10	11A	Mud / Sun Dried Brick Walls under 3m high	cum.	39.65
11	11B	Mud / Sun Dried Brick Walls, add for every additional 3m or part there of over the initial height of 3m	cum.	11.25
12	12	Brick / Stone Masonry in lime mortar walls under 3m high	cum.	181.10
13	13	Brick / Stone Masonry in lime mortar walls, add for every additional 3m or part there of over the initial height of 3m	cum.	20.00
14	14	Brick / Stone Masonry in cement mortar walls under 3m high	cum.	221.90
15	15	Brick / Stone Masonry in cement mortar walls, add for every additional 3m or part there of over the initial height of 3m	cum.	23.45
16	16	Terracing work in roof or floor	sqm.	60.10
17	17	Flag Stone in roof or floor including lifting	sqm.	31.70
18	20	Removal of Cut Stone Slabs / RCC Cover Slabs	sqm.	402.00
19	22	Refixing Cut Stone Slab / RCC Cover Slab	sqm.	441.00
20	23	Pantile or Mangalore Tiled Roof without Roof Timbers	sqm.	15.60
21	24	Flat & Pan Tiles or Manglore Tile over Flat Tiles without roof timbers	sqm.	21.85

Sl. No.	Sch. Item No.	Description of Works	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
22	25	AC Sheet Roofing without roof timbers	sqm.	13.90
23	26	Corrugated Iron Sheet Roofing over Pan Tiles without roof timbers	sqm.	23.45
24	27	Old Thatched Roof including tying materials into small bundles for re-use	sqm.	6.75
25	28	Wrought and put-up Framed Timbers in roofs / floors	cum.	581.00
26	29	Doors and Windows including removal of frames, hinges and fastenings	sqm.	120.40
27	36	Dismantling Lime Concrete	cum.	278.00
28	37	Dismantling Plain Cement Concrete	cum.	381.00
29	38	Dismantling RCC	cum.	5800.00
30	38	Dismantling RCC using deploying machineries	cum.	3550.00
31	38A	Chipping of concrete and roughening the surface	sqm.	31.70
32	38B	Pressed Tiles & Weathering Course	sqm.	36.10
33	38C	One Course of Pressed Tile Roof finish in cement mortar	sqm.	20.00
34	38D	One Course of Terrace Bricks Roof finish in cement mortar	sqm.	23.40
35	38E	Two Course of Flat Tiles Roof finish in cement mortar	sqm.	23.40
36	38F	Mosaic-in-situ finish in cement mortar in flooring and in wall surface	sqm.	49.60
37	38G	Floor finish and dadoing walls in cement mortar with Mosaic Tiles / Glazed Tiles / Cuddapah Slabs	sqm.	47.80
		C. Earth Work		
38	50	ORDINARY SOIL (SS20B) Earth work excavating and depositing on bank with initial lead of 10m & initial lift of 2m in Sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil including excavated earth (SS20B)	cum.	64.50
39	50A	Sand and Silt Under Water (SS20B) Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in Slush and silt under water upto 0.75m depth requiring the aid of basket and vessels (SS20B)	cum.	80.70
40	62	HGS SS.20.B. Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in Hard stiff clay, stiff black cotton, hard red earth, shales, murrum, gravel, stoney earth and earth mixed with small size boulders SS.20B	cum.	96.60

Sl. No.	Sch. Item No.	Description of Works	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
41	67	SDR - (Not Requiring Blasting) Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in Soft disintegrated rock, laterite, soft rock or kankar, not requiring blasting.	cum.	143.90
42	67A	LOOSE BOULDERS Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in loose boulders in excavation of various size 150mm to 625 mm	cum.	228.50
43	72	MR-&-DMR (Not Requiring Blasting) Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in medium rock and dense medium rock not requiring blasting	cum.	252.70
44	76	Extra for every additional 10 metre lead or part thereof over the initial lead	cum.	11.70
45	77	Extra for every additional 1 metre lift or part thereof over the initial lift	cum.	9.30
46	84	Refilling with excavated sand complying with standard specification for filling in foundation and basement.	cum.	29.50
47	85	Refilling with excavated soil (other than sand) complying with standard specification for filling in foundation and basement.	cum.	33.60
		D. Open Well Excavation		
48	86	Earth work open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in sand, silt or other loose soil, Wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil - First depth of 2 metre.	cum.	64.50
49	88	Earth work open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in Hard stiff clay, stiff black cotton soil, hard red earth, shales, murrum, gravel, stoney earth and earth mixed with small size boulders and hard gravelly soil - First depth of 2 metre	cum.	96.30
50	89	Earth work open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in soft disintegrated rock, laterite, soft rock or kankar not requiring blasting - First depth of 2 metre	cum.	148.40

Sl. No.	Sch. Item No.	Description of Works	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
51	90	Open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in Medium rock and dense medium rock not requiring blasting - First depth of 2 metre	cum.	238.90
52	90A	Open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in Medium rock and dense medium rock requiring blasting - First depth of 2 metre	cum.	358.00
53	91	Open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in Hard granite measured in solid including blasting and stacking - First depth of 2 metre	cum.	700.00
		E. Rate for Earth Work Deploying Machinery		
54	1	Earth work in all soils except hard rock requiring blasting and conveying for formation of bund with lead of 0 to 100 metre deploying earth moving machinery and tippers including benching, formation of bunds, breaking clods, sectioning etc., complete	cum.	50.00
55	1a	Earth work in all soils except hard rock requiring blasting and conveying for formation of bund with an extra lead of every 100 metre or part thereof deploying earth moving machinery and tippers including benching, formation of bunds, breaking clods, sectioning etc., complete	cum.	3.95
56	2	Earth work deploying earth moving machinery for desilting channel and forming bund on either side and depositing the earth on banks including jungle clearance etc complete		
57	a	having width up to 3m	cum.	29.50
58	b	having width of 3m -10m	cum.	36.25
59	3	Earth work excavation deploying earth moving machinery for desilting channel having a width of more than 10m and forming bund on either sides and depositing the earth on banks including jungle clearance etc complete	cum.	42.10
		F. LIFT CHARGES - Concrete - Brick or Stone Masonry - Above or Below Ground Level		
		STATEMENT I		
	A	Concrete - Above Ground Level		
60	1	Add to the basic rates for works upto 4.50M height in ground floor (height to be reckoned from floor level ie., plinth level in GL)	cum.	103.30

Sl. No.	Sch. Item No.	Description of Works	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
61	2	Add for works in every upper floor over the rate of preceeding floor	cum.	203.50
	B	Brick or Stone Masonry - Above Ground Level		
62	1	Add to the basic rates for works upto 4.50M height in ground floor (height to be reckoned from floor level ie., plinth level in GL)	cum.	68.00
63	2	Add for works in every upper floor over the rate of preceeding floor	cum.	137.20
		STATEMENT II		
	A	Concrete - Below Ground Level		
64	1	Add the basic rate for works 1.50m depth and upto 4.5m depth below ground level	cum.	101.70
65	2	Add the basic rate for works 4.50m depth and upto 9m depth below ground level	cum.	204.00
66	3	Add extra over the above item 2 for every additional 4.50m depth beyond 9.0m depth below ground level	cum.	204.00
	B	Brick or Stone Masonry - Below Ground Level		
67	1	Add the basic rate for works 1.50m depth and upto 4.50m depth below GL	cum.	68.30
68	2	Add the basic rate for works above 4.50m depth and upto 9.0m depth below GL	cum.	137.00
69	3	Add extra over the above item 2 for every additional 4.50m depth beyond 9.0m depth below ground level	cum.	137.00
		G. Concrete Vibrators		
70	1	Where vibrators are specified for consolidation in PCC, this rate per Cu.M over and above the provision made in the standard data book for consolidation with manual labour may be allowed.	cum.	60.20
71	2	Where vibrators are specified for consolidation in RCC, this rate per Cu.M over and above the provision made in the standard data book for consolidation with manual labour may be allowed.	cum.	81.30
		H. Plastering		
72	318	Clean removal of lime plaster from walls and racking out joints 20mm deep or from terraced roofs racking out joints 12mm deep	sqm.	8.15
73	319	Clean removal of lime plaster from walls	sqm.	6.30
74	320	Clean removal of Cement plaster from walls	sqm.	6.65

Sl. No.	Sch. Item No.	Description of Works	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
75	321	Clean removal of Cement plaster from walls and racking out joints 20mm deep	sqm.	8.85
		I. White Washing, Colour Washing & Distempering		
76	338	Thorough scrapping of old plastered surface	sqm.	3.65
77	339	Washing of plastered surface with soap, soda and water (or with soda lime, brush and water)	sqm.	4.60
		J. Painting, Wood Oiling, Tarring, Varnishing, Bee's Waxing Etc.,		
78	357	Removing old paint from doors and windows by blow lamp and scrapping, including removal and re-fitting of shutters.	sqm.	29.70
79	357A	Removing old paint from doors and windows by scrapping and refitting of shutters.	sqm.	12.50
80	357B	Removing paint from doors, windows & wood works by manual labour	sqm.	8.50
81	357C	Removing old paint from structural steel by blow lamp or sand paper	sqm.	17.80
82	357 D	Scrapping and removing old paint from structural steel by manual labour	sqm.	7.90
83	357 E	Removing old paint from iron surface with sand paper	sqm.	7.40
84	357 F	Repolishing the mosaic flooring including polishing stone and hire charges for polishing machine but excluding cost of electrical charges	sqm.	17.50
		K. Cuting and Threading of GI Pipe		
85	1	15mm dia GI Pipe Cutting	Each	8.10
86		15mm dia GI Pipe Threading	Each	11.50
87	2	20mm dia GI Pipe Cutting	Each	8.10
88		20mm dia GI Pipe Threading	Each	11.70
89	3	25mm dia GI Pipe Cutting	Each	9.70
90		25mm dia GI Pipe Threading	Each	24.20
91	4	32mm dia GI Pipe Cutting	Each	11.70
92		32mm dia GI Pipe Threading	Each	32.70
93	5	40mm dia GI Pipe Cutting	Each	15.80
94		40mm dia GI Pipe Threading	Each	36.80
95	6	50mm dia GI Pipe Cutting	Each	20.30

Sl. No.	Sch. Item No.	Description of Works	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
96		50mm dia GI Pipe Threading	Each	40.90
97	7	65mm dia GI Pipe Cutting	Each	22.00
98		65mm dia GI Pipe Threading	Each	49.40
99	8	80mm dia GI Pipe Cutting	Each	28.70
100		80mm dia GI Pipe Threading	Each	62.20
101	9	100mm dia GI Pipe Cutting	Each	40.90
102		100mm dia GI Pipe Threading	Each	82.40
		L. Labour Wrought and Put-up for Doors, Windows & Ventilators		
103	1	Labour wrought and put up in position of frames inclusive of fixing holdfasts for doors, windows and ventilators etc.	cum.	11800.00
104	2	Labour wrought and put up in position Shutters for fully panelled doors (external or internal) moulded panels including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	1325.00
105	3	Labour wrought and put up in position Shutters for fully panelled doors internal five plywood panels including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	1105.00
106	4	Labour wrought and put up in position Shutters for glazed and panelled doors including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	1239.00
107	6	Labour wrought and put up in position Shutters for Framed and planked doors including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	1035.00
108	7	Labour wrought and put up in position Shutters for ledged and braced and planked doors including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	699.00
109	8	Labour wrought and put up in position Shutters for Glazed windows including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	1239.00

Sl. No.	Sch. Item No.	Description of Works	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
110	11	Labour wrought and put up in position Shutters for Windows panelled including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	1334.00
111	12	Labour wrought and put up in position Shutters for windows ledged and braced and planked doors including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	699.00
112	13	Labour wrought and put up in position Frames, shutters for Ventilators glazed fixed double frames and with wire netting complete fixed in position in accordance with standard drawings and standard specification.	sqm.	1105.00
113	14	Labour wrought and put up in position Frames, Shutters for Swing Ventilators and fixed in position in accordance with standard drawings and standard specification.	sqm.	1035.00
114	19	Labour charges for fixing doors alongwith frames in position etc., complete (finished work)	sqm.	197.00
115	20	Labour charges for fixing windows and ventilators along with frames in position etc., complete.	sqm.	247.00
116	21	Labour wrought and put up in position Flush shutters		
a		Single leaf shutter	sqm.	185.00
b		Double leave shutters	sqm.	285.00
117	22	Labour wrought and put up in position fly proof wire gauge shutters for doors, windows and ventilators.	sqm.	662.00
118	23	Labour wrought and put up for providing teak wood weldmesh screen with frames 3" x 3" (0.075m x 0.075m)	sqm.	925.00
119		Labour charges for fixing aluminium doors, windows and ventilators	sqm.	631.00
		M. Breaking Metals		
120	50A	Labour charges for breaking 40mm metal from departmental blasted stones	cum.	350.00
121	50B	Labour charges for breaking 20mm metal from departmental blasted stones	cum.	524.00
122	50C	Labour charges for breaking 50mm metal from departmental blasted stones	cum.	210.00
		N. Cement Mortar		
123	1	Grinding Mortar (Special Grinding Lime)	cum.	318.00
124	2	Grinding Mortar (Ordinary Grinding Lime)	cum.	242.00

Sl. No.	Sch. Item No.	Description of Works	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
125	3	Mixing Mortar - Cement by Manual	cum.	100.00
126	4	Mixing Mortar - Cement by Machine Mixing	cum.	132.00
		O. Metal and Iron Works		
127	1	Petty iron work for truss, straps etc., (wrought & fixed) labour only	Kg	47.80
128	2	Iron works for trusses and record racks (labour only)	Kg	44.10
129	3	Fixing in position mild steel grills for windows, ventilators, etc.	Kg	27.60
130	4	Fixing MS rods round / square for windows	Kg	25.60
131	5	Fixing iron bars in windows and ventilators	Kg	25.60
	Note:	The Basic Rate adopted under this Head, "Annexure-III – Rates of Works" is exclusive of all taxes and GST.		
		The Rates of Works other than mentioned above may be adopted from the Schedule of Rates issued by the Engineer-in-Chief, Water Resources Department, Chennai-5		
FOOT NOTE:				
DISMANTLING				
1	For dismantling 0.75m below ground level 25% extra over the basic rates (i.e. the rates already available in the Schedule of Rates for dismantling is allowed).			
2	The rate of dismantling lime concrete, cement concrete and reinforced cement concrete are exclusive of bailing out water charges. The rate is same in all floors.			
3	Add 25% extra for cause of restricted partial dismantling in existing structures where extra care is required for safeguarding the main structure.			
EARTH WORK				
1	Standard specification No.20B does not requires breaking clods, ramming, sectioning but require neat banking in accordance with the standard specifications.			
2	Double the relevant rate for standard specification No.20B will apply to excavation in all soils and rock classification given above for foundation of buildings, abutments, piers, wings and returns of bridges, culverts, sluices, regulators and cross masonry works, retaining walls, toe walls, cut-off walls and body walls of anicuts, weirs, retaining walls of causeway, bed dams, trenches for water supply and drainage works for laying pipes and sewers, pits and avenue trees, trial pits and pits for poles and towers and toe wall for revetment.			
OPEN WELL EXCAVATION				
1	Upto 2 metre diametre of wall 10% excess will be allowed over the basic rates of open well excavation.			

Sl. No.	Sch. Item No.	Description of Works	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
2		The rates do not include bailing charges. The de-watering is to be done departmentally. 10% of cost of excavation shall be allowed for de-watering for estimate purpose. Actuals (or) 10% wherever is less to be allowed for de-watering charges. For any expenditure above this percentage, prior approval of the Superintending Engineer should be obtained.		
LIFT CHARGES - CONCRETE - BRICK OR STONE MASONRY ABOVE OR BELOW GROUND LEVEL				
A		Concrete above ground level		
B		Brick or Stone Masonry above ground level		
		The extra rates as allowed for building works are applicable to the irrigation and road works. The extra rates may be allowed for the structure beyond 1 metre from ground level		
A		Concrete above ground level		
B		Brick or Stone Masonry above ground level		
		The above extra rates are applicable to building, irrigation and road works. The extra rates may be allowed for the structure beyond 1.50 metre from ground level. (The depth is to be reckoned from 1.50 metre below ground level).		


**Engineer-in-Chief (Buildings) &
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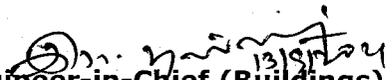
ANNEXURE-IV

RATES FOR CONVEYANCE OF MATERIALS BY HEAD LOAD

Sl. No.	Description of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)		
			LEAD		LIFT
			Above 10m and upto 100m	Add extra for every additional 100m or part thereof	Add extra for every 1m height or part thereof for more than 2m lift
1	Rough Stone, Broken Stone Jelly, Cut Stone, RCC Slab, Sand-Cement Block, Wooden Scantling, Wooden Plank	cum.	116.30	48.30	12.50
2	Lime, Lime Stone, Laterite, Brick Jelly, Earth, Sand, Gravel, Surki, Pond Ash (Wet / Dry), Crushed Stone Sand, Stone Dust	cum.	61.80	48.30	9.40
3 a	Mangalore Tiles	1000 Nos.	126.00	63.30	15.90
b	Machine Pressed Tiles	2000 Nos.	126.00	63.30	15.90
c	Hydraulic Pressed Mosaic Flooring Tiles	1500 Nos.	126.00	63.30	15.90
d	Terrace Bricks, Flat Tiles and Pan Tiles	2500 Nos.	126.00	63.30	15.90
e	Bricks	1000 Nos.	126.00	63.30	15.90
4	Cement, AC Sheet, Bitumen, Asphalt, Tar	MT	114.80	63.30	12.50
5	Steel	MT	193.00	77.60	15.90

Note:

1	Fraction of 100 metres to be rounded off to the nearest 100 metres.
2	The rates indicated in the table shall be applicable only to inaccessible places (i.e.) the places wherever the Bullock Carts cannot move [Chief Engineer (General), Memo No. CTO (A) / 38153 / 89, dated 03.02.1989].
3	For an initial lead of 10 metre and initial lift of 2 metre, no charge towards head load is allowable.
4	The Basic Rate adopted under this Head, "Annexure-IV – Rates of Conveyance of Materials by Head Load" is exclusive of all taxes and GST.

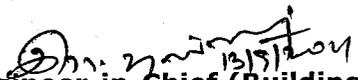

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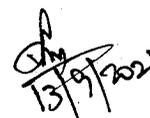

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**ANNEXURE-V
CONVEYANCE TABLE**

(A). RATES FOR CONVEYANCE OF MATERIALS BY ROAD IN PLAINS

Sl. No.	Distance in kilometre	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)					
		Cement, Steel (1 MT)	Lime Stone, Laterite, Brick Jelly, Wood Work, Pond Ash (Wet / Dry), Stone Dust (One cubic metre)	Rough Stone, Bond Stone, Cut Stone, Broken Stone Jelly, Sand, Gravel, Surki, Earth, Crushed Stone Sand (One cubic metre)	Third Class Country Bricks (Kiln Burnt) (1000 Nos.)	Mangalore Tiles (1000 Nos.), Machine Pressed Tiles (2000 Nos.), Hydraulically Pressed Mosaic Flooring Tiles (1500 Nos.)	Bricks II Class Chamber Burnt Bricks (Table Moulded / Ground Moulded), Fly Ash Bricks (1000 Nos.)
1	2	3	4	5	6	7	8
1	Co-efficient	1.00	1.10	1.60	1.35	1.80	2.25
2	Add for every extra 1 Km and part thereof.....						
a	0 - 10 Km.	6.96	7.64	11.13	9.39	12.52	15.64
b	10 - 20 Km.	5.96	6.55	9.52	8.04	10.72	13.40
c	20 - 40 Km.	5.13	5.64	8.20	6.90	9.22	11.52
d	40 - 80 Km.	4.42	4.87	7.69	5.96	7.94	9.95
e	Above 80 Km.	4.03	4.44	6.45	5.45	7.25	9.07
4	Loading Charges	130.25	62.15	42.55	61.15	61.15	61.15
5	Unloading Charges	130.25	62.15	42.55	61.15	61.15	61.15
6	Add above extra for inter state works	26.20	28.75	42.10	35.35	47.25	59.35
Note:							
1	The above rates do not include stacking charges [as per Circular Memo No.230 Wks. IV (2) / 62-3, dt.10.06.62 of Chief Engineer (General)].						
2	For conveyance of materials on cart track, allow 20% extra over the above rates excluding loading and unloading charges.						
3	For sandy and slusly soil tracks, add 50% extra over the above rates excluding loading and unloading charges.						
4	The quantity for payment towards conveyance of earth in Column (5) is for the pit measured quantity at the site of excavation only.						
5	For conveyance of laterite, broken stone jelly, etc., through lorries, the rates provided are for the volume with voids.						
6	For all materials which finds place in Column, 3,4,5,6,7 and 8 above, necessary incidental charges, loading charges and unloading charges have been included already under their basic cost furnished below the head "Rates of Materials" itself. Hence, no separate incidental charges, loading and unloading charges shall be allowed for the above materials.						
7	The Basic Rate adopted under this Head, "Annexure-V - (A). Rates of Conveyance of Materials by Road in Plains" is exclusive of all taxes and GST.						

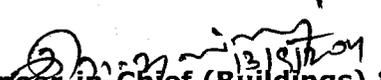

**Engineer-in-Chief (Buildings) &
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**ANNEXURE-V
CONVEYANCE TABLE**

(B). RATES FOR CONVEYANCE OF MATERIALS BY ROAD IN HILLS

Sl. No.	Distance in kilometre	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)					
		Cement, Steel (1 MT)	Lime Stone, Laterite, Brick Jelly, Wood Work, Pond Ash (Wet / Dry), Stone Dust (One cubic metre)	Rough Stone, Bond Stone, Cut Stone, Broken Stone Jelly, Sand, Gravel, Surki, Earth, Crushed Stone Sand (One cubic metre)	Third Class Country Bricks (Kiln Burnt) (1000 Nos.)	Mangalore Tiles (1000 Nos.), Machine Pressed Tiles (2000 Nos.), Hydraulically Pressed Mosaic Flooring Tiles (1500 Nos.)	Bricks II Class Chamber Burnt Bricks (Table Moulded / Ground Moulded), Fly Ash Bricks (1000 Nos.)
1	2	3	4	5	6	7	8
1	Co-efficient	1.00	1.10	1.60	1.35	1.80	2.25
2	Add for every extra 1 Km and part thereof.....						
a	0 - 10 Km.	13.92	15.28	22.26	18.78	25.04	31.28
b	10 - 20 Km.	11.92	13.10	19.04	16.08	21.44	26.80
c	20 - 40 Km.	10.26	11.28	16.40	13.80	18.44	23.04
d	40 - 80 Km.	8.84	9.74	15.38	11.92	15.88	19.90
e	Above 80 Km.	8.06	8.88	12.90	10.90	14.50	18.14
Note:							
1	The above rates do not include stacking charges [as per Circular Memo No. 230 Wks. IV (2) / 62-3, dated 10.06.1962 of Chief Engineer (General)].						
2	For conveyance of materials on cart track, allow 20% extra over the above rates excluding loading and unloading charges.						
3	For sandy and slusly soil tracks, add 50% extra over the above rates excluding loading and unloading charges.						
4	The quantity for payment towards conveyance of earth in Column (5) is for the pit measured quantity at the site of excavation only.						
5	For conveyance of laterite, broken stone jelly, etc., through lorries, the rates provided are for the volume with voids.						
6	For all materials which finds place in Column, 3,4,5,6,7 and 8 above, necessary incidental charges, loading charges and unloading charges have been included already under their basic cost furnished below the head "Rates of Materials" itself. Hence, no separate incidental charges, loading and unloading charges shall be allowed for the above materials.						
7	The Basic Rate adopted under this Head, "Annexure-V - (B). Rates of Conveyance of Materials by Road in Hills" is exclusive of all taxes and GST.						


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ANNEXURE-VI

RATES OF OTHER CONSTRUCTION MATERIALS

Note: No extra on cost, conveyance charges shall be allowed for all the items included under this category. The rates approved therein are applicable at site of work

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
1	Water Proofing Compound	Kg	42.30
2	Mild Steel Flats of all sizes	Kg	46.50
3	Mild Steel Square Rods of all sizes	Kg	46.50
4	First Quality Design Ceramic Tiles of all Colours		
i	305mm x 305mm x 6mm	Each	47.20
ii	200mm x 200mm x 6mm	Each	20.70
iii	200mm x 100mm x 6mm	Each	11.20
5	First Quality Plain Ceramic Tiles of all colours		
i	305mm x 305mm x 6mm	Each	33.80
ii	200mm x 200mm x 6mm	Each	15.10
iii	200mm x 100mm x 6mm	Each	7.70
6	Joint free Rectified Glazed Ceramic Flooring Tiles 305 x 305 x 8mm	Each	55.60
7	Solar Reflective Ceramic Tiles of size		
a	305mm x 305mm x 7mm thick	sqm.	487.00
b	305mm x 240mm x 6mm thick	sqm.	402.00
8	Dadoing Ceramic Tiles of size 300mm x 450mm x 8mm	Each	60.00
9	Dadoing Ceramic Tiles of size 300mm x 600mm x 10mm	Each	89.20
10	First Quality White Glazed Tiles		
i	150mm x 150mm x 6mm	Each	8.00
ii	100mm x 200mm x 6mm	Each	7.00
11	First Quality Colour Glazed Tiles		
i	150mm x 150mm x 6mm	Each	9.30
ii	100mm x 200mm x 6mm	Each	8.00
12	First Quality Colour Glazed Tiles with Printed Design		
i	150mm x 150mm x 6mm	Each	11.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
ii	100mm x 200mm x 6mm	Each	9.90
13	Colour Designed Glazed Tiles 300 x 200 x 6mm	Each	29.70
14	Stain Free Nano Polish Vitrified Tiles 600 x 600 x 8mm	sqm.	633.00
15	Double Charged Vitrified Tiles 600 x 600 x 8mm	sqm.	945.00
16	Double Charged Vitrified Tiles 800 x 800 x 10mm	sqm.	1205.00
17	Pre-polished Concrete Anti-Skid Step Tiles of 20mm thick	sqm.	628.00
18	Rubber Moulded Hydraulic Pressed Paver Block		
a	83mm thick	sqm.	547.00
b	63mm thick	sqm.	455.00
19	TAMIN Paver Block of size – Supply at site		
a	60mm thick	sft.	51.00
b	80mm thick	sft.	61.00
20	Tactile Paver Type of New Tek BT Yellow Colour Ceramic Tiles of size 305 x 305 x 15mm for Vision Impairment Person	sqm.	2020.00
21	Providing and filling the tile joint with epoxy grout with following specification: Surface preparation including cleaning the joint to be free from dust and loose particles. Providing masking tape on either side of the tile joint edges and providing sealing the tile gap with epoxy tile joint grout and finishing neatly and as directed by the departmental officers. The rate inclusive of cost of materials and labour, etc., complete.	sqm.	434.00
22	SRC Cement (Sulphate Resistant Cement)	50 Kgs. / Bag	308.00
23	Slag Cement	50 Kgs. / Bag	277.00
24	White Cement	Kg	22.40
25	Colour Cement (White Cement mixed with Colouring Pigments)	Kg	27.00
26	Multi-Colour Marble Chips of all grades / sizes	Bag	90.20
27	White Marble Slab (Adanga) 18mm to 20mm Thick		
i	4'0" x 2'0" and above	sqm.	1390.00
ii	2'0" x 2'0" or 2'0" x 1'0" or 1'0" x 1'0"	sqm.	694.00
28	Granite Tiles - (Superfine Polished with Machine Cut Edges) of size 2'0" x 1'0" or 1'0" x 1'0" or 1'0" x 0'6" of 10 mm thick		
a	Jet Black	sqm.	852.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
b	Ruby Red, Raw Silk	sqm.	763.00
c	Sinthetic Grey, Paradise and similar varieties	sqm.	721.00
29	Granite Slabs (Super Fine Polished with Machine Cut Edges) of sizes 4'x2' and above 18mm to 20mm thick		
a	Jet Black	sqm.	1720.00
b	Ruby Red, Raw Silk	sqm.	1610.00
c	Sinthetic Grey, Paradise and similar varieties	sqm.	1448.00
d	Fine Polished Steel Grey Granite Slab 1200mm x 600mm, 16mm to 18mm Thick	sqm.	1498.00
e	Fine Polished Blue Pearl Granite Slab 1200mm x 600mm, 16mm to 18mm Thick	sqm.	7497.00
30	Flamed Steel Grey Granite Slab 1200mm x 600mm, 16mm to 18mm Thick	sqm.	1814.00
31	Flamed Ruby Red Granite Slab 1200mm x 600mm, 16mm to 18mm Thick	sqm.	1927.00
32	Nosing for Granite Slab		
a	Single Nosing	RM	193.80
b	Double Nosing	RM	366.60
	New Item		
33	Grooving the Granite Slab	RM	300.00
34	Polished Shahabad Stone Slabs 20mm thick with Machine Cut Edges of size below 2'0" x 2'0"	sqm.	315.00
35	Polished Shahabad Stone Slabs of 20mm thick with Machine Cut Edges of size 2'0" x 2'0" and above	sqm.	373.00
36	Polished Rajasthan Kota Stone Slabs of 20mm thick with Machine Cut Edges of size below 2'0" x 2'0"	sqm.	480.00
37	Polished Rajasthan Kota Stone Slabs of 20mm thick with Machine Cut Edges of size 2'0" x 2'0" and above	sqm.	545.00
38	Dolphur Stone Slabs - Semi Polished with Machine Cut Edges of all sizes		
a	40mm thick	sqm.	416.00
b	20mm thick	sqm.	378.00
39	PVC Trims (Beading)	RM	90.90

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
40	Terracota Jally of size 20 x 20 x 0.75mm	Each	38.60
41	Aluminium Strips of size 40mm wide x 1.5mm thick	RM	33.90
42	Brass Strips of size 40mm wide x 1.5mm thick	RM	68.50
43	Glass Strips of size 40mm wide and 4mm thick	RM	15.50
44	Marble Tiles 3mm thick	sqm.	670.00
45	Red Oxide - Superior quality for floor finish	Kg	143.80
46	Decorative Pressed Tiles of 12mm thick of all sizes and shapes	sqm.	1065.00
47	Exterior Emulsion Paint - Water Based Primer (Liquid)	Litre	149.80
48	Alkali Resistant Distemper Primer	Litre	134.30
49	Sandtex Matt	Litre	156.50
50	Vinaratex or Equivalent Textured Coat	sqm.	201.90
51	Best Lac Polish / French Polish	Litre	261.50
52	Varnish	Litre	268.60
53	Cotton Waste	Kg	10.30
54	Cement Based Hydraulically Pressed Anti skid Tiles (Pattern Design) - 20mm thick	sqm.	505.00
55	Marble Powder	Kg	4.50
56	Polishing Stone		
i	Rough	Each	66.40
ii	Medium	Each	88.70
iii	Fine / Nice	Each	101.70
57	Oxalic Acid	Kg	38.40
58	Tupentine	Litre	23.50
59	Mansion polish	400 gram	147.70
60	Poly Sulphide	Kg	175.30
61	Primer for Expansion Joints	Kg	150.70
62	Filler Material	sqm.	143.80
63	Bond Breaker	RM	3.70
	New Item		
64	Bentonite Powder for construction quality	Kg.	6.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
65	PVC Water Bar 150mm wide with Single Bulb	RM	285.60
66	Plain GI Sheet 0.8mm thick (22 Gauge)	sqm.	361.00
67	Phil Plug	Each	5.00
68	GI Screws		
i	30mm x 6mm	Each	1.27
ii	19mm x 6mm	Each	0.81
69	GI Limpet / Cup Washers	Each	1.88
70	Bitumen Washers 15mm dia	Each	1.12
71	Asbestos Cement Pipe - 100mm dia	3 RM	142.70
72	AC Shoe - 100mm dia	Each	45.25
73	AC Bend - 100mm dia	Each	51.80
74	AC Cylindrical Cowl - 100mm dia	Each	77.70
75	CI Brackets for AC Pipe 100mm dia	Each	19.90
76	CI Grating - 100mm dia	Each	31.80
77	Asbestos Cement Fully Corrugated Sheet - 6mm thick	sqm.	187.80
78	Asbestos cement plain sheet		
i	6mm thick	sqm.	168.50
ii	4mm thick	sqm.	116.70
79	Supplying and fixing Shade Net (Green Net) for under construction of high rise building	sqm.	66.60
80	Asbestos Cement Adjustable Ridges	Pair	194.50
81	GI "J" or "L" Bolts with Nuts 6mm dia	Each	3.88
82	Steel - Special Extruded Sections for Steel Windows and Ventilators conforming to ISS 7452 / 1990 including fabrication charges	Kg	62.10
83	CRCA Pressed Steel Box Section 18 Gauge or 1.25mm thick for Door Frames including providing holes and fixing wooden blocks for fixing furniture and fittings		
a	With one coat of Red Oxide priming coat	RM	356.50
b	With Powder Coated Primer	RM	380.00
84	Aluminium Extruded Sections (for Doors, Windows, Ventilators, Partitions, False Ceiling etc) including charges for anodising for 15 micron thickness		
a	Natural Colour Matt Finish	Kg	301.00
b	With Powder Coating of any colours	Kg	322.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
85	Aluminium Extruded Box Section for Staircase Hand Rails including charges for anodising for 15 micron thickness - Natural colour matt finish	Kg	362.00
86	Rubber Beading for Aluminium Glazed Doors	RM	37.90
87	Rubber Beading for Aluminium Glazed windows	RM	28.80
88	PVC / Woollen Felt for Aluminium Doors 6mm thick	RM	7.60
89	Pivot for Aluminium Door	Set	148.80
90	Hydraulic Door Closer of various sizes of approved quality using Aluminium Extruded Section Body Tubular Type Universal Hydraulic Door Closer with Double Speed Adjustment like HARDWYN (make) 'GAZEL' (or) Equivalent (with ISI Monogram)	Each	934.00
91	Hydraulic Floor Springs of various sizes, Double Acton Hydraulic Floor Spring of approved quality, brand, manufacture as per BIS Standards for doors including cost of cutting floors as required, embedding in to floors and stainless steel cover plates with aluminium pivot and single piece MS sheet outer box with side plate etc., capable of taking upto 130 kg. weight from door shutter, like HARDWYN make (U-32) or its Equivalent with ISI monogram.	Each	2075.00
92	Lock for Aluminium Doors	Each	263.50
93	Lock for Aluminium Sliding Windows	Each	65.90
94	Aluminium Grill of Standard Pattern (Diamond Shape) - 10mm thick including 'F' (or) 'H' Section	sqm.	1925.00
95	Aluminium Grill of Standard Pattern (Diamond Shape) - 6mm thick including 'F' (or) 'H' Section	sqm.	1555.00
96	Bolts and Nuts 10mm dia for False Ceiling	Each	5.60
97	Rawl Plugs for False Ceiling	Each	9.45
98	PVC Roller for Sliding Windows	Each	13.95
99	Synthetic Resin - Fevicol or Equivalent (Phenol Formal Dehide Based Resin)	Kg	197.80
	New Items		
100	Steel Door / Window Fittings		
a	200mm length Hold Fast	Each	150.00
b	300mm Hinges (Heavy Duty)	Each	105.00
c	250mm length Tower Bolt	Each	115.00
d	250 x 16mm Aldrop	Each	210.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
e	200mm MS Handles (Heavy Duty)	Each	75.00
f	Window Stay	Each	140.00
g	Stopper and Handle	Each	130.00
101	Butt Hinges with Nylon Washers of various sizes of Length and Width (with required screws)		
a	125mm x 30mm	Each	83.00
b	100mm x 30mm	Each	66.60
c	75mm x 30mm	Each	45.70
d	50mm x 30mm	Each	36.90
102	Brass Hinges		
a	125mm x 30mm	Each	212.00
b	100mm x 30mm	Each	181.80
c	75mm x 30mm	Each	151.10
d	50mm x 30mm	Each	126.20
103	Tower Bolts of various lengths and diametre (with required screws)		
a	400mm long and 12mm dia	Each	157.10
b	300mm long and 12mm dia	Each	120.90
c	250mm long and 12mm dia	Each	90.60
d	200mm long and 12mm dia	Each	76.20
e	150mm long and 12mm dia	Each	60.00
f	100mm long and 10mm dia	Each	52.80
g	75mm long and 10mm dia	Each	36.80
104	Brass Tower Bolts		
a	400mm x 12mm	Each	1010.00
b	300mm x 12mm	Each	757.00
c	200mm x 12mm	Each	535.00
d	150mm x 12mm	Each	404.00
e	100mm x 10mm	Each	323.00
f	75mm x 10mm	Each	202.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
105	Aldrops of following lengths and diametre with required screws, bolts and nuts		
a	300mm long and 16mm dia	Each	194.40
b	250mm long and 16mm dia	Each	167.60
c	200mm long and 16mm dia	Each	113.50
d	200mm long and 12mm dia	Each	94.10
106	Brass Aldrops		
a	300mm x 16mm	Each	959.00
b	250mm x 16mm	Each	828.00
c	200mm x 16mm	Each	707.00
d	200mm x 12mm	Each	505.00
107	Handles "D" type of various sizes with required screws		
a	200mm long	Each	59.50
b	150mm long	Each	53.40
c	100mm long	Each	32.70
108	Ornamental Handles of various sizes with required screws		
a	200mm long	Each	153.60
b	150mm long	Each	102.30
c	100mm long	Each	56.40
109	Brass Ornamental Handles		
a	200mm	Each	393.00
b	150mm	Each	252.00
c	100mm	Each	181.00
110	Aluminium Door Stopper with Rubber Bush with required screws	Each	45.90
111	Rubber Bush - 40mm dia and 60mm long with required screws	Each	22.90
112	Mortice Lock (Godrej or Equivalent) with required screws with 3 Keys		
a	With Night latch	Each	535.00
b	Without Night latch	Each	397.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
c	Wire Nails	Kg	63.40
113	Teakwood Beading		
a	15mm x 12mm	RM	15.30
b	35mm x 12mm	RM	38.70
114	Teakwood Beading (Ordinary)		
a	30mm x 12mm	RM	32.20
b	25mm x 12mm	RM	25.80
115	Teakwood Beading - Ornamental / Design		
a	40mm x 12mm	RM	90.60
b	40mm x 15mm	RM	103.80
c	25mm x 12mm	RM	71.00
d	15mm x 12mm	RM	48.70
116	Medium Density Fibre (MDF) Board - Exterior Grade, both sides pre-laminated including external lipping with kiln dried soft wood 35mm thick	sqm.	2160.00
117	Medium Density Fibre (MDF) Board - Exterior Grade - both sides pre-laminated, 12mm thick	sqm.	1040.00
118	MDF Board Exterior Grade - Plain including external lipping with kiln dried soft wood		
i	35mm thick	sqm.	1760.00
ii	30mm thick	sqm.	1625.00
119	Medium Density Fibre (MDF) Board 12mm thick Exterior Grade with Melamine finish		
a	One Side Melamine Finish	sqm.	1100.00
b	Both Sides Melamine Finish	sqm.	1239.00
120	Medium Density Fibre (MDF) Board - Exterior Grade - Plain with teakwood external lipping around		
a	35mm thick	sqm.	1896.00
b	30mm thick	sqm.	1682.00
121	Solid Core Flush Shutters with teakply on both side with teakwood lipping around 35mm thick	sqm.	2233.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
122	Solid Core Flush Shutters with teakply on one side and commercial ply on other side with teak wook lipping alround 35mm thick	sqm.	1963.00
123	Solid Core Flush shutters with commercial ply on both side with teakwook lipping alround 35mm thick	sqm.	1682.00
124	Providing Cup-board Shutter with frame using termite / water proof plywood of 19mm thick over which laminated sheet of 0.8mm thick fixed inside the shutter and 1mm thick fixed in the outside of the shutter using fevicol along with necessary furniture fittings, such as, hydraulic hinges, tower bolt, handles, multi purpose locks etc., as directed by the Departmental Officers. The design pattern, water proof plywood, laminate sheet and other materials should be got approved from the Executive Engineer befoe use on work.	sqm.	4998.00
125	Solid PVC Door Shutters using 19 Gauge 19mm MS square tubes for styles and outer frames. 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC Sheets. Shutter using 5mm thick solid PVC Sheets for panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm x 30mm. The over all size of top rail, lock rail and bottom rail shall be 75mm x 30mm. The over all size of frames shall be 50mm x 45mm with suitable rabate for housing the shutter		
a	Solid panel PVC door with frame	sqm.	3167.00
b	Solid Panel PVC Door without Frame	sqm.	2668.00
126	Supplying and fixing of PVC Sliding Door with Roller	sqm.	3393.00
127 a	FRP Door Sutter with FRP Door Frames made out of FRP Sheets of 3mm thick of over all size 65mm x 50mm with rebate suitably reinforced using MS Angle / Flats, cost of holdfasts and Solid Core FRP Shutter Panel of 5mm thick and hollow core frames of 3m wall thickness for styles and rails etc., of sizes specified by Engineers	sqm.	3957.00
b	Excluding door frames	sqm.	3039.00
128 a	PVC Panelled door Shutters Hollow Type - 200mm x 20mm panels with 1mm wall thickness for panels and styles and rails of suitable size with 2mm wall thickness suitably reinforced using MS Angle / Flat including cost of necessary aluminium hinges and other furniture fittings	sqm.	2034.00
b	Excluding Door Frames	sqm.	1718.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
129	RCC Door Frame of 100mm x 65mm cross sectional size with necessary rebate for housing the shutters, manufactured with cement concrete of grade not less than M20 using 10mm and below graded stone jelly and using steel reinforcement as per CE (B) Circular instructions	RM	277.00
130	Stainless Steel (Salem Stainless Steel) Door Frame (Box Section using Stainless Steel Plate of 1mm thick) of size 100mm x 60mm with a rebate of 30 / 35mm x 15mm on one side of the frame including supplying and fixing dovetail splayed end stainless steel Hold fast etc	RM	909.00
131	Stainless Steel (Salem Stainless Steel) Door Frame (Box Section using Stainless Steel Plate of 1.6mm thick) of size 100mm x 60mm with a rebate of 30 / 35mm x 15mm on one side of the frame including supplying and fixing dovetail splayed end stainless steel hold fast etc	RM	1229.00
132	Supplying and Erecting Pull and Push Type Rolling Shutter with ISI make of approved size and section using 18 GI sheet. The shutter shall be painted with one coat of red oxide primer and the rate is inclusive of hood covers, transportation charges etc		
A	ROLLING SHUTTERS (WITH ISI MONOGRAM)		
a	Manually Operated (up to 8 sqm. Area)	sqm.	2150.00
b	Gear Operated Type (from 8 sqm. to 12 sqm. Area)	sqm.	2396.00
c	Electrically Operated Type (exceeding 12 sqm. Area)	sqm.	2600.00
B	ROLLING GRILLS (WITH ISI MONOGRAM)		
a	Manually Operated (up to 8 sqm. Area)	sqm.	2192.00
b	Gear Operated Type (from 8 sqm. to 12 sqm. Area)	sqm.	2468.00
c	Electrically Operated Type (exceeding 12 sqm. Area)	sqm.	2743.00
133	Barbed Wire - 10 Gauge - Two Ply and Four Pronged (Galvanised)	1 Kg or 6 RM	61.50
134	Chain Link - 2" x 2" using 10 Gauge Galvanised Iron Wire (of all sizes)	sqm.	158.70
135	Pin Headed / Fluted / Figured Glass 3mm thick	sqm.	224.40
136	Plain Glass - 4mm thick	sqm.	303.90
137	Plain Sheet Glass - 5.5mm thick	sqm.	359.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
138	Metal Screws (for Aluminium Doors, Windows etc)		
i	75mm x 8mm	Each	2.19
ii	38mm x 6mm	Each	1.53
iii	19mm x 8mm	Each	1.07
iv	19mm x 6mm	Each	0.81
139	Cement Paint (First Quality)	Kg	49.40
140	Oil Bound Distemper	Kg	73.10
141	Acrylic Distemper	Kg	84.40
142	Primer for Plastic Emulsion Paint	Litre	146.10
143	Plastic Emulsion Paint (First Quality)	Litre	292.70
144	Wood Primer	Litre	146.10
145	Synthetic Enamel Paint for Wood Work	Litre	236.60
146	Red Oxide Primer for Iron Work	Litre	135.60
147	Synthetic Enamel Paint for Iron Work	Litre	225.40
148	Melamine Polish	Sqm.	642.00
149	Exterior Emulsion Paint	Litre	300.80
150	Painting the wall with Texture Finish Paint including labour charges	sqm.	408.00
151	White Wall Putty Powder	Kg.	27.20
152 a	Sand Paper (Water Proof Abrasive Sheet)	Each	10.10
152 b	8" Putty Blade	Dozen	121.10
152 c	6" Putty Blade	Dozen	90.90
153	300mm dia RCC Hume Pipe	RM	2228.00
154	GI Pipes "B" Class		
i	65mm dia	RM	244.40
ii	50mm dia	RM	209.00
iii	40mm dia	RM	163.00
iv	32mm dia	RM	151.40
v	25mm dia	RM	128.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
vi	20mm dia	RM	98.60
vii	15mm dia	RM	69.80
155	GI Specials		
A	Union		
i	50mm dia	Each	266.30
ii	40mm dia	Each	197.50
iii	32mm dia	Each	127.50
iv	25mm dia	Each	98.60
v	20mm dia	Each	69.80
vi	15mm dia	Each	58.10
B	GI Elbow		
i	50mm dia	Each	128.00
ii	40mm dia	Each	98.60
iii	32mm dia	Each	87.00
iv	25mm dia	Each	58.10
v	20mm dia	Each	25.40
vi	15mm dia	Each	15.90
C	GI Bend		
i	50mm dia	Each	116.30
ii	40mm dia	Each	87.00
iii	32mm dia	Each	69.80
iv	25mm dia	Each	52.00
v	20mm dia	Each	23.20
vi	15mm dia	Each	13.60
D	GI TEE		
i	50mm dia	Each	139.80
ii	40mm dia	Each	110.20
iii	32mm dia	Each	98.60
iv	25mm dia	Each	81.40
v	20mm dia	Each	34.70
vi	15mm dia	Each	28.60

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
E	GI COUPLING		
i	50mm dia	Each	69.80
ii	40mm dia	Each	58.10
iii	32mm dia	Each	46.50
iv	25mm dia	Each	28.60
v	20mm dia	Each	15.90
vi	15mm dia	Each	13.60
F	GI REDUCER		
i	50mm x 40mm dia	Each	93.20
ii	40mm x 32mm dia	Each	69.80
iii	32mm x 25mm dia	Each	52.00
iv	25mm x 20mm dia	Each	28.60
v	20mm x 15mm dia	Each	20.30
vi	40mm x 25mm dia	Each	52.00
vii	32mm x 20mm dia	Each	40.40
G	GI REDUCER ELBOW		
i	50mm x 40mm dia	Each	110.20
ii	40mm x 32mm dia	Each	93.20
iii	32mm x 25mm dia	Each	69.80
iv	25mm x 20mm dia	Each	52.00
v	20mm x 15mm dia	Each	40.40
vi	40mm x 25mm dia	Each	72.70
vii	32mm x 20mm dia	Each	57.60
H	GI REDUCER TEE		
i	50mm x 40mm dia	Each	139.80
ii	40mm x 32mm dia	Each	116.30
iii	32mm x 25mm dia	Each	98.60
iv	25mm x 20mm dia	Each	75.30
v	20mm x 15mm dia	Each	69.80
vi	40mm x 25mm dia	Each	104.70
vii	32mm x 20mm dia	Each	81.40

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
I	GI HEX NIPPLE		
i	50mm dia	Each	87.00
ii	40mm dia	Each	69.80
iii	32mm dia	Each	58.10
iv	25mm dia	Each	43.70
v	20mm dia	Each	34.70
vi	15mm dia	Each	23.20
156	Gun Metal Gate Valve (Heavy Duty)		
i	65mm dia	Each	1508.00
ii	50mm dia	Each	1229.00
iii	40mm dia	Each	968.00
iv	32mm dia	Each	753.00
v	25mm dia	Each	587.00
vi	20mm dia	Each	347.00
	Note: Gate Valves should be used only in delivery line to OHT Scour Pipe in OHT (for cleaning of OHT) where pressure pumping is involved. In all other cases only wheel valve should be used		
157	Gun Metal Wheel Valve (Heavy Duty)		
i	40mm dia	Each	646.00
ii	32mm dia	Each	508.00
iii	25mm dia	Each	348.00
iv	20mm dia	Each	239.00
v	15mm dia	Each	168.00
158	Brass Chromium Plated Screw Down Tap 15 / 12mm dia (Heavy Type)	Each	204.00
159	Brass Chromium Plated Pillar Tap (Heavy Type) - 15 / 12mm dia	Each	267.00
160	PVC Screw Down Tap Heavy Type 20mm dia	Each	89.00
161	PVC Screw Down Tap Heavy Type 15mm dia	Each	69.00
162	Chromium Plated Stop Cock 15mm dia	Each	149.80
163	Brass Chromium Plated Shower Rose - 100mm dia	Each	192.70

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
164	CP Wall Mixture Tap 3 in 1 system with Hand Showers	Each	4105.00
165	CP Two Way Bib Cock with Health Faucet	Each	2040.00
166	CP Shower Arm with Overhead Shower Rose	Each	1170.00
167	Wooden Plug, Clamp and Screws	Set	12.10
168	Shellac	100 gram	18.30
169	PVC Adhesive (Solution)	100 gram	34.30
170	UPVC Adhesive	100 gram	80.80
171	CPVC Adhesive	100 gram	111.00
172	Vajjram	Kg.	77.70
173	Thread Ball	Each	3.57
174	CP Heavy Duty Bottle Trap 32mm	Each	1095.00
175	CP Angle Cock Tap	Each	769.00
176	Oriya Type Indian Water Closet 580mm x 440mm with "P" or "S" Trap		
i	White	Set	1190.00
ii	Colour	Set	1519.00
177	European Water Closet with "P" or "S" Trap with Double Flapped Seat and Seat Cover with Brass Hinges and 10 litre capacity PVC Low Level Flusing Tank with all internal fittings		
i	White	Set	3060.00
ii	Colour	Set	3450.00
178	European Water Closet with "P" or "S" Trap with Double Flapped Seat and Seat Cover with Brass Hinges and 12.5 litre capacity Porcelain Low Level Flusing Tank with all internal fittings		
i	White	Set	4310.00
ii	Colour	Set	5190.00
179	PVC low level flushing tank with all internal fittings (wall mounting type)		
a	White - 10 litre capacity	Set	948.00
b	White - 7.5 litre capacity	Set	724.00
c	Colour - 10 litre capacity	Set	1074.00
d	Colour - 7.5 litre capacity	Set	853.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
180	PVC Water Tank	Litre	9.60
181	SS Elbow Action Tap of size 15mm	Each	1530.00
182	SS Heavy Duty Long Body Tap 15mm	Each	1530.00
183	SS Swan Neck Tap	Each	1020.00
184	Wash Hand Basin of size 550mm x 400mm with all accessories such as Cast Iron Brackets, 32mm dia CP Waste Coupling, Rubber Plug and Chain, 32mm dia 'B' Class GI Waste Pipe, 15mm dia GM Wheel Valve, 15mm dia Nylon Connection, 15mm dia Brass Nipples, 15mm CP Pillar Tap etc		
i	White without Pedastal	Set	1656.00
ii	White with Pedastal	Set	1993.00
iii	Colour without Pedastal	Set	2217.00
iv	Colour with Pedastal	Set	2453.00
185	White Porcelain Sink of size 600mm x 450mm x 200mm with 32mm dia 'B' Class GI Waste Water Pipe and 32mm dia CP Waste Coupling	Set	2126.00
186	Cuddapah Slab Sink of size 600mm x 450mm x 200mm with 32mm dia 'B' Class GI Waste Water Pipe & 32mm dia CP Waste Coupling	Set	762.00
187	Cuddapah Slab Sink of size 600mm x 600mm x 200mm with 32mm dia 'B' Class G.I. waste water pipe & 32mm dia C.P. waste coupling.	Set	1010.00
188	Stainless Steel Sink		
a	600mm x 600mm x 200mm	Each	9090.00
b	600mm x 450mm x 200mm	Each	7070.00
189	Lipped Mouth Porcelain Flat Back Urinal with all accessories such as 32mm dia Bell Mouth PVC Connection, 15mm dia GM Wheel Value, 15mm dia 'B' Class GI Waste Water Pipe, 15mm dia Nylon Connection, 15mm dia Brass Nipple etc.		
i	White	Set	931.00
ii	Colour	Set	1065.00
190	Supplying and fixing of SS Sink of size 1200 x 550 x 180mm	Each	18360.00
191	Supplying and fixing of Granite Sink of size 600 x 600 x 250mm	Each	4100.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
192	Supplying and fixing of Ornamental Type White Glazed Porcelain Corner 'L' Type Wash Hand Basin of size 350mm	Each	3518.00
193	Supplying and fixing of Oval Shape Wash Hand Basin of size 560 x 450mm	Each	2871.00
194	Supplying and fixing of White Glazed Porcelain Oval Shape Special Type Urinal of size 382 x 398 x 601mm	Each	9970.00
195	Porcelain Soap Dish of size 150mm x 150mm x 50mm		
i	White	Each	194.30
ii	Colour	Each	266.20
196	Brass Chromium Plated Soap Tray of size 150mm x 100mm	Each	163.50
197	Brass Chromium Plated Towel Rail 60cm long and 20mm dia with Brackets	Set	266.40
198	SS Towel Rack 600mm long with Lower Hanger	Each	1530.00
199	Anodised Aluminium Towel Rail 60cm long and 20mm dia with Brackets	Set	134.40
200	PVC / Fibre Glass Framed 5.5mm thick Mirror, Shelf Type with Hard Board Backing		
i	600mm x 450mm	Each	471.20
ii	500mm x 400mm	Each	379.40
201	Special Type Mirror of size 1000 x 780mm	Each	2550.00
202	Stoneware Gully Trap of size 150mm x 100m with Cast Iron Double Gratings	Each	168.70
203	Cast Iron Nahini / Floor Trap with Stainless Steel Grating		
i	100mm x 75mm	Each	276.90
ii	75mm x 50mm	Each	216.90
204	PVC Nahini / Floor Trap with PVC Grating		
i	100mm x 75mm	Each	169.60
ii	75mm x 50mm	Each	148.60
205	First Quality Cast Iron Pipe		
i	150mm Dia	RM	994.00
ii	100mm Dia	RM	599.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
iii	75mm Dia	RM	478.00
iv	50mm Dia	RM	339.00
206	First Quality Cast Iron Specials		
A	Plain Bend		
i	150mm dia	Each	538.00
ii	100mm dia	Each	262.00
iii	75mm dia	Each	202.00
iv	50mm dia	Each	154.00
B	Bend with Door		
i	150mm dia	Each	623.00
ii	100mm dia	Each	315.00
iii	75mm dia	Each	262.00
iv	50mm dia	Each	208.00
C	Plain TEE		
i	150mm dia	Each	1078.00
ii	100mm dia	Each	478.00
iii	75mm dia	Each	327.00
iv	50mm dia	Each	225.00
D	TEE with Door		
i	150mm dia	Each	1139.00
ii	100mm dia	Each	551.00
iii	75mm dia	Each	382.00
iv	50mm dia	Each	273.00
E	"Y" Junction with Door (Single)		
i	150mm dia	Each	1197.00
ii	100mm dia	Each	599.00
iii	75mm dia	Each	418.00
iv	50mm dia	Each	298.00
F	"Y" Junction with Door (Double)		
i	150mm dia	Each	1320.00
ii	100mm dia	Each	670.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
iii	75mm dia	Each	502.00
G	COWL		
i	150mm dia	Each	327.00
ii	100mm dia	Each	196.00
iii	75mm dia	Each	131.00
iv	50mm dia	Each	101.00
207	Stoneware Pipe		
i	150mm dia	Each (0.6.RM)	101.00
ii	100mm dia	Each (0.6.RM)	62.80
208	Stoneware Specials		
A	Stoneware TEE		
i	150mm dia	Each	164.50
ii	100mm dia	Each	126.80
B	Stoneware Bend		
i	150mm dia	Each	139.30
ii	100mm dia	Each	100.60
C	Stoneware "Y" Junction		
i	150mm dia	Each	169.60
ii	100mm dia	Each	126.30
209	Spun Yarn	Kg	13.00
210	Hemp Yarn	Kg	11.70
211	Gunny Tape / Kithan	sqm.	11.70
212	Tar	Kg	40.70
213	Bitumen Felt 15mm thick Pad	sqm.	232.00
214	Supplying, fabricating, erecting and fixing Hilux (or) Equivalent Board False Ceiling upto a ceiling height of 4.5m from floor level		
a	Using Hilux Board Plain Sheets (10mm thick)	sqm.	963.00
b	Using Perforated Sheets (10mm thick)	sqm.	985.00
215	Supplying and laying Glass Wool for insulation including necessary packing materials		
a	Using 50mm thick Glass Wool	sqm.	388.80

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
b	Using 25mm thick Glass Wool	sqm.	207.00
216	Supply and installation of Anutone (or) Euivalent Brand of Acoustical False Ceiling of subtex nubby, square edge, glass fibre core fully encapsulated ceiling tile of size 595 x 595 x 15mm having volume density 120 Kgs / m3, weight 1.8 / 2.4 / 3 kg / m2 which is suspended by using 0.3mm thick skelet trellis T15 metal grid system. Skelet trellis T15 metal grid system of 600 x 600mm module includes skelet WA15 W30 wall angle with unequal flanges of 15 / 19mm, length 3000mm, fixed along the perimeter of walls with the help of nylon sleeves and suitable fasteners at 300mm centers. Then suspend the skelet MT15 W36 MainT with flange width 15mm, height 32mm and length 3600mm, from the soffit slab with help of soffit cleat and wire rod with leveling spring clip at 1200mm centres. Skelet CT15 W12 CrossT with flange width 15mm, height 26mm and length 1200mm is interlocked into the pre-cut slots in the Main T15 at 600mm centers in the perpendicular direction to the Main T15. Finally, the skelet CT15W06 CrossT with flange width 15mm, height 26mm and length 600mm are interlocked into the precut slots in the CT15W12 CrossT in direction parallel to the Main T15 to result in 600 x 600mm module. The subtex nubby square edge of size 595 x 595 x 15mm shall be placed into the grid size of 600 x 600mm. Ensure arrow marks behind the tiles are oriented in one direction to achieve uniform shade. The systems to achieve noise reduction coefficient not less than 0.9 NRC, so as to have an neat appearance as directed by the department offices. The cost includes, cost of material, cost of labour, scaffolding, transportation, conveyance, etc. complying to standard specification.	sqm.	1717.00
217	Supply and installation of Anutone (or) Equivalent Brand of Acoustical False Ceiling of Sisoli Serene / Slate Spirts / Slate Polka Mineral Fibre/ GRG Core Ceiling Tiles of size 595 x 595 x 15mm having volume density 270 kgs / m3, weight 4kg / m2 which is suspended by using 0.3mm thick skelet trellis T15 metal grid system. The skelet trellis T15 metal grid system of 600 x 600mm module includes skelet WA15 W30 wall angle with unequal flanges of 15 / 19mm, length 3000mm, fixed along the perimeter of walls with the help of nylon sleeves and suitable fasteners at 300mm centers. Then suspend the skelet MT15 W36 MainT with flange width 15mm, height 32mm and length 3600mm, from the soffit slab with help of soffit cleat and wire rod with leveling spring clip at 1200mm centres. Skelet CT15 W12 CrossT with flange width 15mm, height 26mm and length 1200mm is interlocked into the pre-cut slots in the Main T15 at 600mm centers in the perpendicular direction to the Main T15. Finally skelet CT15 W06 CrossT with flange width 15mm, height 26mm and length 600mm are interlocked into the precut slots in the CT15 W12 CrossT in direction parallel to the Main T15 to result in 600 x 600mm module. Sisoli Serene / Slate Spirts / Slate Polka of size 595 x 595 x 15mm shall be placed into the grid size of 600 x 600mm. The systems to achieve noise reduction coefficient not less than 0.5 NRC, so as to have an neat appearance as directed by the department offices. The cost includes, cost of material, cost of labour, Scaffolding, transportation, conveyance, etc., complying to standard specification.	sqm.	959.00
218	Supply of laying of Anutone (or) Equivalent Brand of Acoustical Insulation of Sound Synth Polywool, 50mm thick made from recycled poly fibre and fully recyclable, surface density 1000 g / m2, weight 1.0 kg / m2 in form of rolls of 600mm wide and 15m in length, adhered to surface with stick S7 adhesive or held in position with chicken wire mesh etc., complying to standard specification.	sqm.	424.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
219	Providing Polymer Coating (Water Proof Coating) for sunken portion of toilet with following specification and the surface shall be cleaned to remove all dust, foreign matters loose materials or any other deposits of contamination by rubbing with wire brush. Slurry: Dry blend and polymer liquid blend shall be mixed into the desired ratio as per recommendation of the supplier. The mix shall be stirred thoroughly until no bubbles remain in the mix. Any lumps found in mix shall be removed. Apply first coat of polymer modified cementitious slurry by brush on wet cleaned surface. After drying, second coat shall be applied on the first coat as directed by the departmental officers etc. The rate inclusive of cost of materials and labour, etc., complete.	sqm.	326.00
220	Providing Cornice Work for Gyp Board False Ceiling	RM	188.60
221	8mm thick Calcium Silicate Board Designed and Perforated for False Ceiling	sqm.	1530.00
222	Termite Proof/Water Proof Plywood 19mm thick	sqm.	1326.00
223	Laminated Sheet 0.8mm thick (inside)	sqm.	244.00
224	Laminated Sheet 1mm thick (outside)	sqm.	408.00
225	Squatting Urinal	Set	450.00
226	CI Brackets for fixing the Sink	Set	106.90
227	Swan Neck Tap	Each	250.00
228	Brass Screws (30 x 6mm)	Each	2.39
229	Brass Screws (75 x 10mm)	Each	4.84
230	Special Clamp, Teakwood Plugs and Screws	Set	21.40
231	PVC Clamp, Teakwood Plugs and Screws	Set	8.43
232	Teakwood Plug	Each	1.07
233	Teakwood Plug (50 x 50 x 100mm)	Each	5.35
234	Manhole Cover 60 x 60cm (Heavy Duty) with Frame	Each	1846.00
235	Welding Charges		
a	50mm	Each	2.09
b	40mm	Each	1.63
236	Add for Painting / Tarring for Hex Nipple	Each	2.80
237	Labour Charges for fixing Cuddapah Slab to Cup-Board	sqm	45.55
238	Hire Charges for Polishing Machinery	Day	226.40

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
239	Electricity Charges	Unit	11.80
240	<p>Supplying and fixing in position White / Colour Glazed Model Floor Mounted European Water Closet of best quality and approved make with 100mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 litres capacity PVC / 12.5 litres capacity porcelin low level flushing tank with a pair of CI brackets, etc., complete with all fittings, such as, 15mm brass ball valve with polythene float with brass handle, union coupling connected by means of 40mm white PVC flush hand using indian adopter joint including all internal fittings, such as, 15mm bras connections, 15mm GM wheel valve, 15mm brass nipple (2 Nos.), 15mm nylon connection, TW plugs, screws and also giving necessary connection to the PVC pipe and painting the CI brackets with 2 coats of approved paint over one coat of red oxide primer, dismantling the masonry and re-doing the dismantled masonry to original condition, etc., complete complying with standard specifications. (The EWC and flushing tank with all accessories should be got approved by the Executive Engineer before use on works)</p> <p>Floor Fitting</p>	Each	5023.00
241	<p>Supplying and fixing in position White / Colour Special Delux Model Glazed Cascade Type Parryware / Hindware / Equivalent Wall Mounted European Water Closet of best quality and approved make with 100mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 litres capacity PVC / 12.5 litres capacity porcelin low level flushing tank with a pair of CI brackets, etc., complete with all fittings, such as, 15mm brass ball valve with polythene float with brass handle, union coupling connected by means of 40mm white PVC flush hand using indian adopter joint including all internal fittings, such as, 15mm bras connections, 15mm GM wheel valve, 15mm brass nipple (2 Nos.), 15mm nylon connection, TW plugs, screws and also giving necessary connection to the PVC pipe and painting the CI brackets with 2 coats of approved paint over one coat of red oxide primer, dismantling the masonry and re-doing the dismantled masonry to original condition, etc., complete complying with standard specifications. (The EWC and flushing tank with all accessories should be got approved by the Executive Engineer before use on works)</p> <p>with 10 litres capacity flushing tank with all internal dual flush fittings with normal seat cover</p> <p>Wall Fitting</p>	Each	5830.00
242	Vinyl Flooring 2mm thick	sqm.	547.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	New Item		
243	Supplying and laying wooden flooring at site 8mm thick of approved make using click laminated floor with inbuilt 3mm sound bloc class of use 31 water resistant AC 3 grade impact resistant IC3 (as per EN 130 900 / 1400) having 0.60mm MLC (Multi-Layer Guard + SRSR 2) (Scratch Resistant Surface Second Generation) on top of moisture high density fibre board substrate specially developed copr of plank size 1288 x 196 x 8mm having joints tongue and groove to secure long lasting joint. The tongue and groove having the edges duly pre impregnated with par affine including laying 0.20mm thick alkali resistant polyethylene sheet of density 850 kg / m3 beneath the laminated wooden panel to absorb the sound caused including labour charges, loading, unloading, transportation, etc., complete	sqm.	3510.00
244	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia intermediate horizontal stainless steel pipe of 1.60mm thick in between. The vertical pipe has to be welded to the 100 X 100 X 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc. complete	sqm.	5482.00
245	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase near wet riser using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick will be provided with tubular supports made of 304L Grade Stainless Steel pipe of 25mm dia of 1.60mm thick welded to the railing. The supports will be grouted into the wall and provided with 93.00mm thick Stainless Steel circular base plate of 304 Grade. The rate shall included for grouting into concrete with necessary supporting arrangements the hand rail in floor polishing buffing, bonding, cutting, grinding, conveyance, welding charges, electrical charges, etc. complete	RM	1825.00
246	PVC mould CI Steps for Sump	Each	228.00
247	Vertical Blinds		
a	Ordinary	sqm.	913.00
b	Premium	sqm.	1370.00
248	Stainless Steel Health Faucet	Each	1003.00
249	High Density Fibre (HDF) Board	sqm.	2189.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
250	Providing and fixing of Aluminium Composite Panel (ACP) 4 sided having 50 x 25 x 1.50mm frame work vertical and horizontals out of specially designed extruded sections withstand wind pressure of 180 Kg/sq.m and fabricated fixed at all level elevation and heights. The extruded section cutting and fixing required space extruded section shall be of 6063 and alloy of BSH 9 confirming T is – 63400 rate shall included to fix the main frame with necessary clamps, fasteners, bolt nuts etc. The main frame of extruded section shall be of 22843 & 22739 (H9) grade conforming to BS 4174 (or) IS 8147. Rate shall included 4mm thick ACP sheet (0.25 + 3.5 + 0.25) alstrong or equivalent fixing with spacer tape and the ACP sheet bounded with special type structural sealant of dow corning 789 or equivalent in dust free conditions the gaps between ACP sheet to be filed with whether sealant and backer rod or 12mm foam sheet to ensure water and air tightness in all complete complying with standard specification as directed by the departmental officer	sqm.	4478.00
251	Designing the Semi Unitised Structural Glazing System with open groove joint as per design intent, preparation of shop drawings for approval, supply, fabricate, erect as per approved shop drawings at all floor levels and all floor heights including conducting field test as per the test criteria set out in the particular specification (Metholodgy should be got approved by the Dept. Officials.) Design the framing system (i.e. male & Female frame) to support vision panels, spandrel panels either with glass or aluminium composite panel, openable, window panels on a continuous framing supported between floors. Also design the split framing unutilized glazing system in case of strip or punched windows with vision panel proposed with either insulated / Monolithic glass, groove width in the system both in horizontal and vertical shall not be more than 20mm. Glazing of panel shall be done only at factory at the controlled atmosphere	sqm.	4794.00
252	Bitumen Pad		
a	12mm thick	sqm.	475.00
b	20mm thick	sqm.	712.00
253	Providing Strong Room Door for Sub-Treasuries	Each	295800.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
254	<p>Pre-painted Galvanized Iron Windows (Air Tight Model) with Grill and Glass: Providing and fixing Ajanta Cave Model Window fabricated from roll formed sections made of galvanized steel colour coated / powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.60mm. Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns. Dimensions of sections: Sections for shutter should be of 46 x 46mm and external frame should be of 46 x 52mm. Section for glass beading should be of 18 x 25mm and centre mullion should be of 46 x 70mm. Fixing details: The frame and shutter sections should be cut to length and mitre joined with corner bracket made of CRCA electro plated. Mullion section should be joined with frame / mullion using nylon mullion cap. Ethyl Propylene Diamine Monomer (EPD) Gasket should be used all around glass in shutter between frame and glazed shutter and both sides of fixed glass.</p> <p>Accessories: Handle made of high grade aluminium powder coated and with nylon receiver. Gaskets made of Ethyl Propylene Diamine Monomer (EPDM). Corner brackets made of CRCA with zinc phosphating. Mullion caps made of glass filled nylon.</p> <p>Glass: Glass shutter and fixing glass portion should be provided with a glass of 5mm plain float glass.</p> <p>Grill: Windows should be provided with grill made of 10mm square MS bars welded to 12mm x 5mm flat at 4" intervals. Total grill unit should be power coated and fixed to window frame with screws.</p> <p>The above frame should be fixed to brick / concrete masonry by using nylon self-expanding caps and driving MS electro plated 80mm long screws into the caps through frames.</p>	sqm.	5454.00
255	<p>Pre-painted Galvanized Iron Windows (Semi Air Tight Model) with Grill and Glass: Providing and fixing Eco 3000 Series Window fabricated from roll formed sections made of galvanized steel colour coated / powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.58mm. Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns. Dimensions of sections: Sections for frame should be of 48 x 50mm, section for glazed shutter frame should be 47 x 20mm and section for fixed glass bead should be of 12 x 12mm. Fixing details: The frame and shutter frame sections should be cut to length and mitre joined with polypropylene corner bracket. Mullion section should be joined with frame / mullion using nylon mullion cap. Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass in shutter.</p>	sqm.	5100.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	<p>Accessories: Each glazed shutter should be provided with SS pivot hinges - 1 set, Polypropylene handle - 1 No. with receiver and aluminium peg stay powder coated - 1 No.</p> <p>Glass: Glass shutter and fixing glass portion should be provided with a glass of 4mm Pinhead Glass.</p> <p>Grill: Windows should be provided with grill made of 10mm square MS bars welded to 12mm x 5mm flat at 4" intervals. Total grill unit should be power coated and fixed to window frame with screws.</p> <p>Window Frame should be fixed to brick masonry / concrete masonry by using Nylon self-expanding caps and driving MS electro plated 80mm long screws into the caps through frames.</p>		
256	<p>Pre-Painted Galvanized Iron Windows with Glass, Grill & Fly Mesh:</p> <p>Providing and fixing Windows from roll formed sections made of galvanized steel powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.58mm.</p> <p>Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns.</p> <p>Dimensions of sections: Section for frame should be of 72mm x 55mm, section for mullion should be of 72mm x 50mm, section for shutter frame should be of 47mm x 20mm, section of fixed glass bead should be of 12mm x 12mm and section for fly mesh shutter frame should be of 40mm x 20mm.</p> <p>Fixing details: Section for frame, glazed shutters and mesh shutters should be cut to length and mitre joined with polypropylene corner brackets, mullion section should be joined with frame / mullion using mullion cap.. Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass in shutter and fixed glass. Spoon profile should be used around Fly mesh to fix mesh in mesh shutter.</p> <p>Accessories : Each glazed shutter and mesh shutter should be provided with SS pivot hinges - 1 set, Polypropylene handle - 1 No. with receiver and aluminium powder coated peg stay - 1 No. for glazed shutter alone.</p> <p>Glass: Glass shutter and fixed glass portion should be provided with a glass of 4mm pinhead glass.</p> <p>Mesh: Mesh shutter should be provided with a SS 32 gauge fly mesh of 304 grades with 144 holes per square inch.</p> <p>Grill: Windows should be provided with grill made of 10mm square MS bars welded to 5mm x 12mm flat at 4" intervals. Total grill unit should be powder coated and fixed to window frame with screws.</p> <p>Window frame should be fixed to brick / concrete masonry by using nylon self-expanding caps and driving MS electro plated 80mm long screws into the caps through frames.</p>	sqm.	6725.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
257	<p>Pre-Painted Galvanized Iron Two Track Sliding Window: Providing and fixing pre-painted two track, two panel sliding system fabricated from roll formed sections made of galvanized steel powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.58mm. Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns. Dimensions of sections: Section for frame two track should be of 59mm x 44mm, section for shutter should be of 35mm x 49mm for window, section for euro groove should be of 25mm x 24mm and for lap strip should be 30mm x 41mm. Fixing details: The frame and shutter sections should be cut to length, joined with corner brackets made of glass filled nylon. Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass. Accessories: Corner brackets made of glass filled nylon gasket made of Ethyl Propylene Diamine Monomer (EPDM). Locking system should be of single pin locking for Windows. Single wheel rollers for windows should be provided. Glass: Glass shutter and fixed glass portion should be provided with a glass of 4mm pinhead glass. Window frame should be fixed to brick / concrete masonry by using nylon self-expanding caps and driving MS electro plated 80mm long screws into the caps through frames.</p>	sqm.	4896.00
258	<p>Pre-Painted Galvanized Iron Three Track Sliding Windows: Providing and fixing pre-painted three track, three panel sliding system fabricated from roll formed sections made of galvanized steel colour coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.58mm. Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns. Dimensions of sections: Section for outer frame three track should be of 92mm x 44mm, section for shutter should be of 35mm x 49mm for window, section for euro groove should be of 25mm x 24mm and for lap strip should be 30mm x 41mm. Fixing details: The frame and shutter sections should be cut to length, joined with corner brackets made of glass filled nylon. Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass. Accessories: Corner brackets made of glass filled nylon. Gasket made of Ethyl Propylene Diamine Monomer (EPDM). Locking system should be of single pin locking for windows. Single wheel rollers for windows should be provided. Glass: Glass shutter and fixed glass portion should be provided with a glass of 4mm pinhead glass. Window frame should be fixed to brick / concrete masonry by using nylon self-expanding caps and driving MS electro plated 80mm long screws into the caps through frames.</p>	sqm.	5406.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
259	<p>Pre-Painted Galvanized Iron Fixed Louvered Ventilators with Glass and Grill:</p> <p>Providing and fixing louvered ventilator fabricated from roll formed sections made of galvanized steel colour coated / powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.58mm.</p> <p>Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns.</p> <p>Dimensions of sections: The section for external frame should be of 57mm x 33mm.</p> <p>Fixing details: The section should be cut to length, joined with profile to profile component.</p> <p>Accessories: Glass holding flanges made of glass filled nylon.</p> <p>Glass: Louvers should be provided with 4mm pinhead glass.</p> <p>Grill: Ventilator should be provided with grill made of 10mm Square MS bars to 12mm x 5mm flat at 4" intervals. Total grill unit should be powder coated and fixed to ventilator frame with screws.</p> <p>The above frames should be fixed to brick / concrete masonry walls and floor by means of self-expanding screws.</p>	sqm.	4896.00
260	<p>Pre-Painted Galvanized Iron Door Frame:</p> <p>Providing and fixing door frames from sections made of galvanized steel powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 217 with zinc of 120 grams / sqm.). The factory made section should be with a powder coating of pure polyester powder of 50-60 microns thick with total coated thickness of 1.25mm. Size of door frame section should be of 105 x 60mm with a rebate of 37mm to accommodate 35mm thick door shutter. The frame section should have groove to insert gasket. 2 tie rods of 10mm tor steel to be provided at bottom. Provision for aldrop, mortise lock to be made in the section as per the instruction of Engineer-in-Charge. The frame section should be cut to length, and joined by way of welding.</p> <p>Note: 1.25mm thick (Total coated thickness tolerance as per IS 513)</p>	Rm	590.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
261	<p>Pre-Painted Galvanized Iron windows (Air Tight Model) with Acrylic Sheet & Grill:</p> <p>Providing and fixing Ajanta Cave Model window fabricated from roll formed sections made of galvanized steel colour coated / powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.6mm.</p> <p>Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns.</p> <p>Dimensions of sections: Sections for shutter should be of 46 x 46mm and external frame should be of 46 x 52mm. Section for glass beading should be of 18 x 25mm and centre mullion should be of 46 x 70mm.</p> <p>Fixing details: The frame and shutter sections should be cut to length and mitre joined with corner bracket made of CRCA electro plated. Mullion section should be joined with frame / mullion using nylon mullion cap. Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass in shutter, between frame and glazed shutter and both sides of fixed glass.</p> <p>Accessories: Handle made of high grade Aluminium Powder coated and with nylon receiver. Gaskets made of Ethyl Propylene Diamine Monomer (EPDM). Corner brackets made of CRCA with zinc phosphating. Mullion caps made of glass filled nylon.</p> <p>Glass: Glass shutter and fixing glass portions should be provided with a glass of 6mm acrylic sheet.</p> <p>Grill: Windows should be provided with grill made of 10mm square MS bars welded to 12mm x 5mm flat at 4" intervals. Total grill unit should be powder coated and fixed to window frame with rivet. The above frame should be fixed to brick / concrete masonry by using nylon self-expanding caps and driving MS electro plated 80mm long screws into the caps through frames.</p>	sqm.	5814.00
262	<p>Structural Glazing:</p> <p>Providing and fixing structural glazing fabricated from roll formed sections made of galvanized steel colour coated (Base steel as per IS 513 of 'D' quality, galvanized as per IS 277 with Zinc of 120 grams / sqm.) with total coated thickness of 0.72mm. The glass holding section made of 304 grade SS of 0.6mm thick. Galvanized steel sections are to be used as stiffeners inside the colour coated steel / powder coated sections as per the design requirement. Design calculations are made to suit wind pressures as given in IS 875.</p> <p>Paint specifications: Primer coat with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns or powder coated with pure polyester powder upto 50-60 microns thick.</p> <p>Dimensions: The section should be of 37 x 53mm for frame vertical, 37 x 53mm for frame horizontal section and section for reinforcement should be of 31 x 55mm. glass holding section should be of 37 x 37mm for top and bottom grids in between should be of 37 x 18mm.</p>	sqm.	5814.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	<p>Accessories: Brackets made of CRCA powder coated / electro plated should be used to fix vertical at top and bottom and vertical to slab as per site requirement. Polyurethane brackets should be used to connect horizontal section to vertical sections.</p> <p>Silicone: Natural cure, with good UV resistance to be used.</p> <p>The above frame should be fixed to brick / concrete masonry by using nylon self-expanding cap and driving MS electro plated 80mm long screws into the caps through frames.</p> <p>Glass: 5mm reflective Saint Gobain OR equivalent.</p>		
263	<p>Pre-painted Galvanized Iron Fixed Louvered Ventilators with Glass, Mesh and Grill:</p> <p>Providing and fixing louvered ventilator fabricated from roll formed sections made of galvanized steel colour coated / powder coated (Base Steel as per IS 513 of 'D' quality, Galvanized as per IS 277 with Zinc of 120 grams / sqm.) with total coated thickness of 0.58 mm</p> <p>Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and black coated with alkyd backer of 5-7 microns.</p> <p>Dimensions of section: The section for external frame should be of 57 x 33mm.</p> <p>Fixing details: The section should be cut to length and joined with profile to profile component.</p> <p>Accessories: Glass holding flanges made of glass filled nylon.</p> <p>Glass: Louvers should be provided with 4 mm thick pinhead glass.</p> <p>Mesh: Mesh should be provided with a SS 32 gauge fly mesh of 304 grades with 144 holes per square Inch.</p> <p>Grill: Ventilator should be provided with grill made of 10mm square MS bars welded to 12mm x 5mm flat at 4" intervals. Total grill unit should be powder coated and fixed to window frame with screws.</p> <p>The above frames should be fixed to concrete / masonry walls and floor by means of self expanding screws.</p>	sqm.	5202.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
264	<p>Providing UPVC (Un-Plasticized Polyvinyl Chloride) Door: Providing and fixing casement doors fabricated from un-plasticized polyvinyl chloride (uPVC) sections.</p> <p>Profiles: The profiles should be three chamber system which provides high insulation properties with outer frame 60mm x 55mm with an outer wall thickness of 2.4mm. The window unit should be designed with all corner joints mitred and fusion welded. Windows should be steel reinforced with 25 x 24 x 25mm steel reinforcement with a thickness of 1mm to have dimensional stability. The sash should be of 60 x 102mm. The mullion should be of 60 x 74mm. The profiles should have co-extruded seals.</p> <p>Hardware: All the hardware like friction stays, handles should be screwed with self tapping screws. The handles, locks should be designed so that they cannot be released from outside.</p> <p>Glazing: The window system should be glazed with 5mm plain float glass / 6mm bison lam</p> <p>Installation: The profiles should be cut to length and welded 45 degrees. The window should be designed such that the water drainage does not pass through the reinforcement chamber. The window system should be fixed directly to the plastered brick wall using self expanding nylon plug and driving ms electroplated screws into plug.</p>	sqm.	7918.00
265	<p>UPVC Window</p> <p>Specification:</p> <p>Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the Executive Engineer before use on work</p>	sqm.	7126.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
266	UPVC Ventilator Specification: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work	sqm.	7720.00
267	FOAMED PVC DOOR FRAME Specification: Providing factory made pre-laminated FPVC (Formed Polyvinyl Chloride) Door Frame of the size 105 x 40mm with a wall thickness of 10mm made out of extruded rigid FPVC profile mitre joined with 6 Nos. of 5mm long screw. The door frame shall be fixed to the wall by using 80mm long screws through the frame with the help of PVC fasteners of 3 Nos. to be provided for each vertical member, GI stiffeners of ('U' channel of size 29 x 9, 1mm, 150mm long) - 3 Nos. at hinge point, frame reinforcement of ('U' GI channel of size 46 x 22 x 0.6mm), bottom tie rod of ('U' GI channel size of 15 x 15 x 1mm), etc., complete complying with the standard specification. The door frame should be got approved from the Executive Engineer before use on work	RM	505.00
268	ABS DOOR / EQUIVALENT Specification: Providing of 35mm thick factory made pre-laminated ABS (Acrolynitrile Butadiene Styrene) Door Shutter moulded in different designs, consisting of all round frame made out of water proof solid foam PVC bar of size 20 x 32mm, reinforced by 32 x 32mm - 2 Nos., for vertical made out of LVL (Laminated Veneer Lumber), core material of 32mm thick high density craft paper honey comb board, sandwiched on both sides with pre-laminated ABS sheet thickness of 1.5mm. PVC edge banding of size 0.45mm on the vertical sides. Hardware made out of steel coated butterfly hinges - 3 Nos., for each shutter and ISI make SS round lock complete for finished item of work, complete complying with the standard specification. The door shutter and frame should be got approved from the Executive Engineer before use on work		
a	Plain Pre-laminated Door	sqm.	5888.00
b	Design Pre-laminated Door	sqm.	6211.00
269	Autoclaved Cellular Aerated Concrete Blocks		
a	600mm x 200mm x 100mm	Each	45.35
b	600mm x 200mm x 150mm	Each	68.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
c	600mm x 200mm x 200mm	Each	90.70
d	600mm x 200mm x 225mm	Each	102.50
e	Self Curing AAC Joint Mortar	40 Kg / Bag	606.00
f	Ready Mix Plaster for Rendering	50 Kg / Bag	300.00
270	Plasticizer / Super Plasticizer	Kg.	42.80
271	Making through holes in Plain or Reinforced Cement Concrete with Diamond Core Drilling System by using BOSCH power tools of following diamete - Depth per cm		
a	100mm	Each	321.00
b	150mm	Each	428.00
c	200mm	Each	480.00
272	Supplying and Installing Metal False Ceiling using Fire Retardant Galvanized Steel Sheet Plain lay in tile size 600mm x 600mm, 0.5mm thick, powder coated on external surface and shall have flange on all four sides to rest on the exposed grids. The system to give 600mm x 600mm centre to centre 'T'. The 'T' shall be not be dipped GI Tee Section 3600mm long main Tee. 24mm wide and cross Tee panels are formed by running main runner of 'T' section of size 30mm x 24mm powder coated at bottom at intervals with powder coating at bottom. Necessary provision of inter locking of 'T' section are made at required intervals not exceeding 1200mm. The main runners are suspended from the ceiling by means of 4mm dia. GI rods fixed to the ceiling using anchor fasteners of 50mm x 8mm size with nylon inset and hooked to the main rubbers using clips. The last hangers at end of each rubber should not be greater than 600mm from the adjacent wall. The last panel shall be placed at the side wall using edge profile 'L' Angle of size 20mm x 20mm and fixed to the side wall the false ceiling should be fixed of same level and should present a neat look	sqm.	3120.00
273	Supplying and fixing of SS Wall Cladding	sqm.	12750.00
274	Supplying and fixing of SS False Ceiling	sqm.	7650.00
275	Supplying and Fixing of Aluminium Dye Cast Letters of approved size and colour. The colour treatment process is achieved with MRF colour coat and then the processed coloured layer is set into the kiln for the heat treatment process for the following sizes		
a	Aluminium Dye Cast Letters 9" size	Each	1092.00
b	Aluminium Dye Cast Letters 6" size	Each	693.00
276	English Brass Letters		
a	25cm (10")	Each	909.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
b	37cm (15")	Each	1284.00
277	Tamil Brass Letters		
a	25cm	Each	1666.00
b	20cm	Each	1262.00
c	15cm	Each	2020.00
	New Items		
278	English Stainless Steel Letters		
a	60cm (24")	Each	3400.00
b	25cm (10")	Each	1450.00
279	Tamil Stainless Steel Letters		
a	60cm (24")	Each	3620.00
b	25cm (10")	Each	1800.00
280	Emblem (15")	Each	12850.00
281	Providing Wall Panelling using one side teak wood sheet with melamine polishing with following specification. The frame using aluminium tubular section of size 50mm x 25mm x 2mm thick fixing horizontally and vertically in position with wall at interval of 0.60m in both directions, fixing water proof plywood of 12mm thick over the aluminium frame work with necessary screws. One side teak wood sheet of 3.5mm thick will be fixed over the plywood using fevical and finishing with melamine polishing and the rate inclusive of conveyance to site and labour charges and as directed by the Departmental Officers. The design pattern, water proof plywood, OST sheet and other materials to be used shall be got approved by the Executive Engineer concerned before use on work etc., complete.	sqm.	6010.00
282	Providing and fixing Acoustic Wall Panelling (equivalent to Armstrong) in channelled wood works perforated panels of width 192mm, thickness of 15mm and length of 2400mm or as per required by the Departmental Engineer made of a high density fibre board with minimum 725 kg./m ³ density substrate with a laminated facing as per the approved shade and finish and a melamine balancing layer on the reverse side. The boards shall have a special perforation pattern where the visible surface has a "Helmholtz" fluted perforation of 3mm width and 21mm of visible panel each. The edges of the panels shall be "tongue-and-grooved" to receive special clips for installation. The back of the perforated panel shall have sound absorbing non woven acoustical fleese having NRC of 0.52. The panels shall be mounted on special aluminium splines using clips provided by Armstrong and approved by the Engineer-in-Charge.	sqm.	8530.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	<p>Installation: Install aluminium box section (provided by others) of section 50mm x 25mm or as approved by the Engineer-in-Charge on the solid wall horizontally using screws and plugs at spacing of 600mm centre to centre. Screw the aluminium extruded keel for channelled wood works provided by Armstrong over the lowest and second aluminium section at an on centre distance of 600mm. Place the inside clip on the groove end of the panel along the aluminium keel and then place the tongue end of the next panel. Continue installing rows of panels by inserting the tongue into groove of the earlier inserted panel and progressively installing inside clips into the next keel till the actual height is achieved. Finish off the edges using wooden moulding of matching colour (provided by others). Installation to be carried out by Armstrong Trained Installation Team and installation should be carried out as per Armstrong Recommended Procedure.</p>		
283	<p>Supplying and fixing the Wall Panelling with the following specification fixing horizontally and vertically in position of wall. Fixing the water proof ply wood 9mm thick board over the country wood planks. Over the ply wood OST sheet of 4mm thick will be fixed with necessary screws and fevicol giving neat finish. The top will be finished with two coats of sanding polishing. The surface will be finished with necessary design as directed by the Departmental Officers. The rate inclusive of all materials, labour power and conveyance of materials to the work site, loading & unloading etc., and as per drawing and design by the Departmental Officers. The water proof ply wood and OST sheet and other materials to be used shall be got approved by the Executive Engineer concerned before use on work, etc., complete as per standard specification.</p>	sqm.	5353.00
284	<p>Supplying and installation of Anutone / Topakustiks / Idea Tec / Wood Fit / Equivalent Brand of Acoustic Wooden Wall Panelling with fire retardant grade pine wood fibre slats of size 2430 x 128 x 16mm with lineal perforation of 2mm back lined with soundtex black acoustical fleece 0.27mm thick, 63 g / m², tongue-groove edge for a seamless look, 5 test fire retardant grade with noise reduction coefficient not less than 0.75 NRC to absorb low and mid range frequencies from 125Hz to 4000Hz. GI strut CC50 frame work not more than 60 cm centre to centre using GI channels are fixed on the wall, over which an acoustic filling polywool material sound synth of 500 gsm density of 50mm thick has fixed and finally the panels are fixed and finished, so as to have a neat appearance as directed by the departmental offices. The cost includes cost of material, cost of Labours, scaffolding, transportation, conveyance, etc., complete complying to standard specification.</p>	sqm.	5454.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
285	<p>Supplying and installation of Anutone / Woodfit / Saint Gobian / Equivalent Brand of Acoustic Fabric Wall Panelling of stretch fabric NRC wall fabric system by using FR Grade NRC fabric of size 1400mm width shall be stretched by using CC 25 with infill of synth pf polywool 10 X 25 mm thick, rigid vinyl stretch tracks half wrap / full wrap 15mm (FS15) and midseam 15mm (FS15), strand board, synth PF infill with requisite accessories & tools. CC 50mm is first installed on the wall along with the marking lines with metal fasteners inserted at 300mm centers. FS15 tracks to be installed on wooden base, after applying stick S7 adhesive on both surfaces for a true and continuous secure grip, and heavy-duty fasteners at 150mm centers on one / both sides of stretch tracks. Strand square edge magnesite bonded pinewood fiber panels of size 600 x 2400 x 20mm having density 400 kg / m3, weight 4 kg which is fixed to wall with suitable fasteners. Sound synth PF polywool 10 x 25mm thick adhered on strand panel by using Stick 7 adhesive. Fabric of width 1400mm is then aligned to the stretch tracks by following the fabric thread line or pattern. The fabric is stretched and tucked into the stretch tracks and secure into the locking jaws so that it will be smooth, free of wrinkles with the tucking tools. The systems to achieve noise reduction coefficient not less than 0.85 NRC, so as to have an neat appearance as directed by the department offices. The cost includes, cost of material, cost of labour, scaffolding, transportation, conveyance, etc., complying to standard specification.</p>	sqm.	5252.00
286	<p>Supply and installation of Anutone / Tectum / Heradesign / Equivalent Brand of Acoustical Slim Wall Panelling of synth slim, polyfibre panels, core-pigmented, high-density, Synth PF rigid panels of size 1200 x 2400 x 9mm thick, volume density 210 - 230 kg / m3, weight 1.9-2.1 kg/m2 installed by using GI strut frame work system. The GI strut frame work systems includes GI strut CC 50 cross channel having thickness 0.7mm, length 3600mm, knurled web 50, depth 25mm and equal flanges 15mm is fastened to wall positioned horizontally in a regular manner at 600mm centre to centre. Anutone (or) Equivalent Brand of strand, square edge, magnesite bonded pine wood fibre core tiles of size 600 x 2400 x 10mm, density 400 kgs / m3, weight 8 kg /m2 are fastened to strut CC 50 cross channel with suitable fasteners. Longer edges of the panel should be perpendicular to strut CC 50 cross channel. Synth slim panels are then adhered to strand behind with stick S7 adhesive. The system is backlined with the acoustical infill SynthPF 500 gsm 50 thick. The systems to achieve noise reduction coefficient not less than 0.85 NRC, so as to have an neat appearance as directed by the department offices. The cost includes, cost of material, cost of labour, scaffolding, transportation, conveyance, etc., complying to standard specification.</p>	sqm.	4949.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
287	Supply and installation of Anutone / Hera Design / Tectum / Equivalent Brand of Acoustical Fibre Based Wall Panelling of strand colour, kerfed edge magnesite bonded pine wood fibre core tiles of size 600 x 2400 x 20mm, density 400 kgs / m ³ , weight 8 kg / m ² installed by using GI strut frame work system with non-visible fasteners using PVC strut H-Spline. The GI strut frame work systems includes GI strut CC 50 cross channel having thickness 0.7mm, length 3600mm, knurled web 50, depth 50mm and equal flanges 15mm is fastened to wall positioned horizontally in a regular manner at 600mm centre to centre. PVC strut H-Spline having sectional thickness 2mm and length 2400mm to be fixed perpendicular to the Strut CC50 cross channel at 600mm centers. The kerfed edge panels shall be then inserted into the strut H-Spline along their long edges of 2400mm against frame work to perfect fit with staggered short edges. The system is backlined with the acoustical infill Anutone or Equivalent Brand of SynthPF 500 gsm 50mm thick. The systems to achieve noise reduction coefficient not less than 0.9 NRC, so as to have a neat appearance as directed by the department officers. The cost includes, cost of material, cost of labour, scaffolding, transportation, conveyance, etc., complying to standard specification.	sqm.	3333.00
288	Providing and fixing of 1.2mm thick Lead Lining Door for X-Ray Rooms, Scanning Rooms with Mild Steel Door Frames 105mm x 57mm X 18 G and 12 G x 50mm Shutter made of GI with PWG finish and honey wool insulations with SS 101mm x 75mm x 3mm SS 304 Ball Bearings Butt Hinges, Mortice Sash Lock ML 100A, 50mm BS, 85mm centre, CL 207 : Key & Knob 70mm, 5 Pin Cylinder with Handle SS Finish (Dorma Make), Heavy Duty Door Closer, Frames fixed with walls using Mortice Sash Lock ML 100A, 50mm BS, 85mm centre CL207: Key & Knob 70mm, 5 Pin Cylinder with Handle SS Finish (Dorma Make) all necessary accessories and fittings as per the required and as per the approval for the Department Officer	sqm.	13920.00
289	Post Tensioning Work: Design and execution of post tensioning work, including decoiling, the strands, cutting to the required lengths, supplying, laying of HT strands sheathing (GI corrugated ducts 0.3mm thick) jointing with couplers and inserting the strands, profiling, fixing liveend anchorages, including supply of stressing anchorages, suitable for 5-5 & 5-4 tendons, grout vents, making dead end anchorages, including flowering the strands, fixing tendon support bars, supervising the fixing of antibursting reinforcement, stressing the cables, end trimming, grouting the cables, with cement slurry, mixed with admixtures with required tools, plants, and machineries, and consumables etc. (Shuttering, concreting & reinforcement steel shall be paid under respective items) at all heights including all leads, lifts, coordination, with the post- tensioning agency, preparation of drawings, obtaining approval from the Employer / Architect etc. Rate to include providing water, power, cement and admixture for grouting, packing of sheathing and anchorages blockings, filling of recess pockets after stressing using grouts (cement slurry mixed with approved admixtures) including providing access to post tensioning at all heights including all leads, lifts etc., all complete and as approved and as directed by the Employer Architect but excluding shuttering, concreting & reinforcement steel which shall be payable under respective items separately.	MT	197800.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
290	Supplying, fabricating and fixing in position factory made Stainless Steel Flush Door Shutter 35mm thick using SS 304 Grade 1.6 mm thick, Stainless Sheets on both sides (Equivalent to IS 6911-04 Cr. 19, Ni 9) minimum 8-8.5% nickel and 18% chromium sourced from original stainless steel manufacturer with view panel size 30mm x 45mm made up of 6mm thick clear toughened glass fitted with double side adhesive tape and finished with dowconing silicon sealant, floor spring for each shutter, consealed tower bolt, suitable stainless steel locking arrangement and other necessary furniture fittings of approved quality. The vertical styles and other frame members and cross stiffeners shall be of same quality stainless steel box section of suitable size and thickness with proper core material as prescribed by the Departmental Officers	Sqm.	37370.00
291	Manhole Cover SFRC		
a	600mm x 600mm	Each	2675.00
b	750mm x 750mm	Each	2942.00
c	900mm x 900mm	Each	3212.00
292	Incinerator for Ladies Bathroom (For School Works)	Each	34230.00
293	Polycarbonate Sheet 6mm thick	Sqm.	642.00
	New Item		
294	Galvalume Colour Sheet of size 0.47mm	Sqm.	430.00
295	Supplying and erecting in position of following liters capacity Industrial Model Reverse Osmosis Water-cum-Purifier to deliver Potable Water with World Health Organisation (WHO) Standards with following accessories. (a) MS Skid - 1 No. (b) Media 11054 No. Vessel with 20 nb Multiport Valve (with Media Pubble and Fine Sand and Activated Carbon Filling) set (c) Feed Pump 0.50 HP - 1 No. (d) Vertical Pump 2-9, 2.00 HP / Single Phase - 1 No. (e) Membrane 40 x 40 filmtech (or) equilaents / Osmonic (USA) - 1 No. and Membrane Pressure Vessel 40 x 40 -1 No. & Pressure Gauge - 2 Nos. (f) Flow Meter - 1 No. 20" Filter with Housing - 1 No., Low Pressure Switch - 1 No., Level Switch - 1 No. & Necessary CPVC Pipes and Fittings. The system shall be provide with Two Panel Control System with necessary Stainless Valves and Fittings and Float Control etc. The rate should be inclusive of all civil works, wherever necessary to install the System in position and intact.		
a	50 Litres	Set	39930.00
b	250 Litres	Set	107000.00
c	500 Litres	Set	224000.00
d	1000 Litres	Set	373000.00
e	2000 Litres	Set	514000.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	Medical Gas Arrangements		
296	Medical Gas Copper Pipeline arrangement to hang on the wall of socket type connection installation of seamless cleaned and degreased non arsenical phosphorous gas copper pipe line with saddles complete with brazing work including all copper fitting (tee, elbow, reducer, coupling). The copper pipelines should be tested suitable for a steam of working pressure of 17.34 kg. / cm ² (17 bar) and confirm to BS 864 Standard with specially made for brazed socket type connection. The medical gas copper pipeline should be tested as per standard and commissioning after painting as per International Code No. IS 2379/1963 Table-V. The pipelines installed at the various wings and floors etc., complete as directed by the Departmental Officers as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specification.		
a	10mm OD 0.90mm thick copper pipe	RM	357.00
b	15mm OD 0.90mm Thick Copper Pipe	RM	519.00
c	22mm OD 0.90mm Thick Copper Pipe	RM	868.00
d	28mm OD 0.90mm Thick Copper Pipe	RM	1072.00
e	42mm OD 1.20mm Thick Copper Pipe	RM	2323.00
f	54mm OD 1.20mm Thick Copper Pipe	RM	2903.00
297	Gas Outlet Points: (Self sealing type - Single / DIN outlet pipe) with 'S' type bracket made up of copper and the out let of non-interchangeable for other gas. The outlet points are brazed with brass bracket with self sealing valve (Stainless Steel) with all accessories and complete set and are covered by plastic cover duly colour coated as per specific gas and button cover etc., complete as directed by the Departmental Officers and as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specification.	Each	1328.00
	New Item		
298	DIN / BS Standard Outlet Points with from loading, inner connecting and brass body. Single press inlet with two stage process first stage for patient usage and second stage in parking mode, covered by plastic cover duly colour indicated with specific gas name and non inter-changeable for other gases. The cost of materials including transport, etc., complete, as per standard specification and as directed by the Departmental Officers	Each	4400.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
299	<p>Oxygen manifold arrangements of 2 banks x 12 cylinder each wing with semi automatic control panel which includes contact gauge 2 Nos., outlet pressure gauge, brass heavy duty IO x regulator 2 Nos. with suitable adopter, flexible SS Hose. Mainfold shall be of a construction and of a designs and material suitable for the service pressure in accordance with IS 1282-1989. Emergency alarms with illuminating display for low / high pipeline pressure and malfunctioning of system.</p> <p>1) Mainfold top frame with provision for connecting 12 cylinders on right bank and 12 cylinders on left bank with high pressure interconnecting copper tubing, silver brazing, non return valve, fasteners and cylinder support middle angle frame for claping 2 x 12 cylinders and related fasteners. The O2 manifold should with stand a pressure of 140 kg. / CM2. The installation is commissioned after testing as per standards and painted as per International Code and as directed by the Departmental Officers as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specification.</p>	Each	189000.00
	New Item		
300	<p>Oxygen manifold arrangements of 2 banks x 20 cylinder each wing with semi automatic control panel which includes contact gauge 2 Nos., outlet pressure gauge, brass heavy duty IO x regulator 2 Nos. with suitable adopter, flexible SS Hose. Mainfold shall be of a construction and of a designs and material suitable for the service pressure in accordance with IS 1282-1989. Emergency alarms with illuminating display for low / high pipeline pressure and malfunctioning of system.</p> <p>1) Mainfold top frame with provision for connecting 12 cylinders on right bank and 12 cylinders on left bank with high pressure interconnecting copper tubing, silver brazing, non return valve, fasteners and cylinder support middle angle frame for claping 2 x 12 cylinders and related fasteners. The O2 manifold should with stand a pressure of 140 kg. / CM2. The installation is commissioned after testing as per standards and painted as per International Code and as directed by the Departmental Officers as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specification.</p>	Each	364000.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
301	<p>Nitrous Oxide Manifold Arrangements of 2 banks x 3 cylinder each wing, with automatic control panel which includes contact gauge 2 Nos., outlet pressure gauge, brass heavy duty IOX regulator 2 Nos. with suitable adopter, flexible SS hose. Manifold shall be of a construction and of a designs and material suitable for the service pressure in accordance with IS 1282-1989. Emergency alarms with illuminating display for low / high pipeline pressure and malfunctioning of system.</p> <p>1) 2 x 3 cylinder Nitrus Oxide Manifold should be suitable with stand a pressure of 140 Kg. / Cm2 and above along with high pressure copper annealed tail pipes with end brass adapter suitable for Nitrous Oxide Cylinders and manifold.</p> <p>2) Top frame comprising of high pressure copper pipes of size 12mm ID 1.5mm wall thick with high pressure brass fittings made of high tensile brass and connections through non-return valves, high pressure copper tail pipes made of high pressure copper pipe size of 7mm ID x 1.5mm thick.</p> <p>3) The design of middle and bottom frames should be provided to fit both round and flat bottom cylinders safely with fitted heavy duty regulator. The Manifold should be tested at 3500 pig as per IS 12827 / 1989 & ISO 7396 / 1987 Specification.</p>	Each	107290.00
302	<p>Brass Isolation Valve suitable for the copper pipe and should be of non lubricated 90 degree turn lever ball valve of reputed make, conneced in line with medical gas pipe line system by using suitable size brass valve adopter union, ferrule, nipple, rubber "O' ring, tapion lap and etc. All pipe line regulators shall be capable of controlling pipe line pressure and must compatible with the requirements specified in IS 12827-1989. All valves should be pneumatically tested for twice the working pressure for the gas line as per IS Code 12827 / 1989 & ISO 7396 / 1987 Sepecification.</p>		
a	15mm Isolation Valve	Each	1378.00
b	22mm Isolation Valve	Each	2095.00
c	28mm Isolation Valve	Each	2401.00
d	42mm Isolation Valve	Each	4413.00
303	<p>Theatre Vaccum Unit: The unit should comprise of two reusable 2000 ml shatter resistant bottle. Each made up of ply carbonate material and fully autoclavable at 134 degreee centigrade, should have a vacuum regulator with instant ON / OFF switch and tree way left, right or both. All the above items should be mounted on a trolley having free moving castor wheels. (As per IS 12827 / 19898 & ISO 7396 / 1987)</p>	Each	12195.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
304	Flow Meter made up of Brass with Humidifier Bottle Flow Meter should be back pressure compressed and should be accurate gas flow measurement with control range 0-13 litres per minute. It should meet strict permission and dumbing standard. The meter body should be made of brass materials. The humidifier bottle should be made of unbreakable polycarbonate material and auto cleavable at 134 degree centigrade. The rate includes flow meter and its accessories (silicon tube with mask). The cost of materials including transport, etc., complete as per standard specification and as directed by the Departmental Officer and as per IS 12827 / 1989 and ISO 7396 / 1987 Specification.	Each	1552.00
305	Ward Vaccum Unit with Gauge both mounted on a collection jar of capacity 600 ml and with a wall bracket for mounting it on the wall. The collection jar should be made of unbreakable polycarbonate materials which is fully auto cleavable at 134 degree centigrade as per standard specification and as directed by the Departmental Officers and as per IS 12827 / 1989 and ISO 7396 / 1987 Specification. The rate includes cost of silicon hose with SS nipple on either side.	Each	1858.00
306	Supply, installation, testing and commissioning of equivalent to Ingersoll Rand Reciprocating Air Cooled Type (10 HP) Rating Vaccum Pump as per following provisions. As per IS 12827 / 1987 & ISO 7396 / 1987 Specification a) Vaccum Pump - 10 HP - 1 No. b) Electric Motor - 10 HP - 1 No. c) DOL Starter with OLR - 1 No. d) Vaccum Switch - 1 No. e) Vaccum Gauge - 1 No. f) Control Frame with Fittings - 1 No. g) Suction Scrubber - 1 No. h) V-Belts - 1 No. i) GI & MS Fittings - 1 No. j) Brass Fittings - 1 No. k) Exhaust Silencer - 1 No. l) Base Frame for Motor and Vaccum Pump - 1 set m) Pilot Line with Fittings - 1 set, Vaccum Room & Air Compressor Room Inside	Each	458700.00
	New Item		
307	Supply, installation, testing and commissioning of equivalent to Ingersoll Rand Reciprocating Air Cooled Type (15 HP) Rating Vaccum Pump as per following provisions. As per IS 12827 / 1987 & ISO 7396 / 1987 Specification a) Vaccum Pump - 15 HP - 1 No. b) Electric Motor - 15 HP - 1 No. c) DOL Starter with OLR - 1 No. d) Vaccum Switch - 1 No. e) Vaccum Gauge - 1 No. f) Control Frame with Fittings - 1 No. g) Suction Scrubber - 1 No. h) V-Belts - 1 No. i) GI & MS Fittings - 1 No. j) Brass Fittings - 1 No. k) Exhaust Silencer - 1 No. l) Base Frame for Motor and Vaccum Pump - 1 set m) Pilot Line with Fittings - 1 set, Vaccum Room & Air Compressor Room Inside	Each	608000.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
308	<p>Supply, installation, testing and commissioning of Compressed Air System of Reciprocating Oil Free Air Compressor Belt Driven Type 10 HP Air Compressor with following provisions.</p> <p>As per IS 12827 / 1987 & ISO 7396 / 1987 Specification Compressor package consists of following:</p> <p>a) 10 HP Air Compressor - 1 No. b) Electric Motor 10 HP - 1 No. c) Dol Starter - L&T - 10 HP - 1 No. d) Base Frame Kit (for Motor and Compressor) - 1 set e) Pressure Swith - 1 No. f) Pressure Gauge - 1 No. g) NRV and Pilot Fittings - 1 No. h) Delivery Tube - 1 No i) Foundation Bolts & Anchor Fasteners - 1 Lot j) Belt Guard - 1 No. k) Refrigerator Type Air Dryer-40 cfm. capacity-1 No. l) Drain Ball Valve - 1 No. m) Air Outlet Ball Valve - 1 No.</p> <p>Vacuum Room & Air Compressor Room Inside Accessories: Non-Return Valves, Air Pressure Switch, Pressure Gauge, Isolation Valves, Air Filters etc., Inter connecting piping: Mild Steel Pipe of 2" with fittings.</p>	Each	481850.00
	New Item		
309	<p>Supply, installation, testing and commissioning of Compressed Air System of Reciprocating Oil Free Air Compressor Belt Driven Type 15 HP Air Compressor with following provisions.</p> <p>As per IS 12827 / 1987 & ISO 7396 / 1987 Specification</p> <p>Compressor package consists of following:</p> <p>a) 15 HP Air Compressor - 1 No. b) Electric Motor 10 HP - 1 No. c) Dol Starter - L&T - 10 HP - 1 No. d) Base Frame Kit (for Motor and Compressor) - 1 set e) Pressure Swith - 1 No. f) Pressure Gauge - 1 No. g) NRV and Pilot Fittings - 1 No. h) Delivery Tube - 1 No i) Foundation Bolts & Anchor Fasteners - 1 Lot j) Belt Guard - 1 No. k) Refrigerator Type Air Dryer-60 cfm. capacity-1 No. l) Drain Ball Valve - 1 No. m) Air Outlet Ball Valve - 1 No.</p> <p>Vacuum Room & Air Compressor Room Inside Accessories: Non-Return Valves, Air Pressure Switch, Pressure Gauge, Isolation Valves, Air Filters etc., Inter connecting piping: Mild Steel Pipe of 2" with fittings.</p>	Each	785000.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
310	Supply, installation, testing and commissioning of MS Fabricated Vertical Mounted Type 1000 liters capacity Vaccum Receiver with inlet and outlet and drain holes provided suitable to operate with vaccum pump, etc., as directed by the Departmental Officers.	Each	99640.00
311	Supply, installation, testing and commissioning of MS Fabricated Vertical Mounted Type 1000 liters capacity Compressed Air Receiver with inlet and outlet and drain holes provided suitable to operate with vaccum pump etc as directed by the Departmental Officers.	Each	99640.00
312	Single Arm Pendent Mounted on Celing Height as directed by the Departmental Officers. All items are MS powder coated. The cost includes cost of all materials, labour charges, dismantling and re-doing masonry to original condition, painting of masonry works taxes including transports, risk allowance, scaffolding etc., complete and as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specification.	Each	164900.00
313	Bed Head Panel of size 1m length, height 0-0.30 cm and depth of 4". The aluminium powder coated with requirement colour for provision points of O2-2 Nos., Air 1 No., Vaccum 1 No. with double electrical socket with switch 2 Nos. with 2 set with 1V - bottle holder fixing to the wall hanging including monitor stand etc., complete.	Each	18580.00
314	Supplying, fabricating and fixing slotted carriers with the following specifications. The carriers should be made of GI sheet of 16G with slots. The size of carrier is 300 x 40mm and are to be spaced at 50 cm centre to centre. The carriers are to be fixed on suspenders with the help of lock nuts. These suspenders are made of galvanised MS rods size of 6mm dia. The suspenders should be threaded to its full length so that the carrier shall be fixed at any height depending on the onsite requirement. The suspenders are to be fixed on the soffit of ceiling with self fixing anchore bolts. All components of suspenders and slotted carriers should be galvanised. The rate includes cost of all materials, labour charges for drilling and fixing the whole assembly at required places, complete and as directed by the Departmental Officers.	Each	167.90
315	Supplying and fixing of Cylinder 46 Litre "D" Type Empty Seamless Medical Nitrous Cylinder with Valve and as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specifiaton etc., complete and complying with standard specification.	Each	16399.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
316	Supplying and fixing of Cylinder 46 Litre "D" Type Empty Seamless Medical Oxygen Cylinder with Valve and as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specifiaton etc. complete and complying with standard specification.	Each	16399.00
317	Supplying, fabricating and fixing Oxygen Boyles Kit for Operation Theatre with following specification: The Boyles Kit Hose is made of silicon and of white colour as per standard suitable adoptor fixed on higher end of hose to connect outlet unit and Boyles Machine. The adopter must be made of SS of superior quality. The rate includes cost of all materials and labour charges for fixing in proper position etc. complete and complying with standard specification.	Each	1858.00
318	Supplying, fabricating and fixing Nitrous Oxide Boyles Kit for Operation Theatre with following specification: The Boyles Kit Hose is made of silicon and of white colour as per standard suitable adoptor fixed on higher end of hose to connect outlet unit and Boyles Machine. The adopter must be made of SS of superior quality. The rate includes cost of all materials and labour charges for fixing in proper position etc. complete and complying with standard specification.	Each	1858.00
FIRE FIGHTING ARRANGEMENTS			
319	Wrapping and Coating Anti-Corrosive Treatment for under ground MS pipe having one coat of anti-corrosive metal primer, one layer of asphalt tar tape wound over the MS pipe as per standard methods as per standard specification as directed by the Departmental Officers.		
a	100mm dia	RM	388.00
b	80mm dia	RM	277.00
320	Supply, erection, testing and commissioning of 80mm dia Heavy Duty Foot Valve including necessary MS flange of table 'E', gaskets, bolts & nuts, etc., installed at end of 80mm dia suction pipeline at sump as per the standard method and as directed by the Departmental Officers.	Each	14443.00
321	Supply, erection, testing and commissioning of cast iron body and gun metal or stainless steel Internal Non-Return Valve of size of 80mm dia to control one way flow of water to be installed pump room at delivery line and near overhead tank at terrace level near to jockey pump and motor including necessary MS flange of table 'E', gaskets, bolts & nuts, etc. as per IS 5312 including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers.	Each	11665.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
322	Supply and laying of following sizes of Armoured Aluminium Cables for electrical motor, control panel, pressure switch, jockey motor etc.. The rate inclusive of all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON / FINOLEX / EQUIVALENT.		
a	3 core 95 sq.mm. armoured aluminium cable	RM	555.00
b	4 core 16 sq.mm. armoured aluminium cable	RM	238.70
c	4 core 10 sq.mm. armoured aluminium cable	RM	194.30
d	2 core 1.5 sq.mm armoured multi strand aluminium cable	RM	149.90
e	3 core 10 sq.mm. armoured aluminium cable	RM	194.30
f	10 core 2.5 sq.mm. armoured aluminium cable	RM	438.70
g	2 core 2.5 sq.mm. armoured aluminium cable	RM	172.10
323	Supply, installation, testing and commissioning of Micro Processor based Conventional 12 Zone Fire Alarm Control Panel having the rating of 24 volt DC power supply, consisting 230 / 24 volt SMPS unit, 2 Nos. of 12 volt, 7 AH standby batteries, suitably mounted on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers.	Each	85470.00
	New Item		
324	Supply, installation, testing and commissioning of Micro Processor based conventional 8 Zone Fire Alarm Control Panel having the rating of 24 volt DC power supply, consisting 230 / 24 volt SMPS unit, 2 Nos. of 12 volt 7 AH standby batteries, suitably mounted on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers.	Each	73000.00
325	Supply, installation, testing and commissioning of Micro Processor based conventional 4 Zone Fire Alarm Control Panel having the rating of 24 volt DC power supply, consisting 230 / 24 volt SMPS unit, 2 Nos. of 12 volt 7 AH standby batteries, suitably mounted on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers.	Each	49940.00
326	Supply, installation, testing and commissioning of Conventional Smoke Detector suitably mounted on ceiling with MS junction box / false ceiling using fixing accessories like screws, plug, clamps, etc., as per standard methods and as directed by the Departmental Officers. (Make: Apollo / Equivalent)	Each	2332.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
327	Supply, installation, testing and commissioning of Manual Call Point (MCP) providing on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers. (Make: Ravel / Equivalent)	Each	1776.00
328	Supply, installation, testing and commissioning of Electronic Hooter / Sounder providing on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers (Make: Ravel / Equivalent)	Each	1721.00
329	Supply and laying of FRLS PVC insulated 2 core 1.5 sq.mm. Armoured Copper Cable on ceiling / wall using fixing accessories like screws, plug, clamps, etc., as per standard methods and as directed by the Departmental Officers.	RM	111.00
330	Supply and fixing of Water CO ₂ Stored Pressure Type 9 litres capacity Fire Extinguisher as per new IS 15683 complete with control valve, gun metal cap, pressure gauge, operation sticker, discharge hose, wall mounting bracket, safety clip, etc., as directed by the Departmental Officers.	Each	6666.00
331	<p>Supply and erection of Double Leaves Fire Rated Door with Frame having the dimension of 1800mm x 1400mm with following specification:</p> <ul style="list-style-type: none"> a. Door Frame 1.6mm: Galvanized 120 GSM branded make JSW b. Door Leaf 1mm: Galvanized 120 GSM branded make JSW c. Shutter Thickness: 46mm d. Honeycomb: In-fill e. Glue Macroplast UR-7221 f. Door Hinges: 4" x 3" x 3mm, Double Ball: Make Assa Abloy Yale Ball bearing Butt Hinges Grade SS 304 - Finish SS g. Door Closer with Standard Arm Finish: Silver h. Lock Set: Dead Lock with both side key i. Door Orientation: To be confirmed by client j. Mounting of door: Brick wall mounted k. Powder Coating: Powder coated in standard RAL paint colour of PO Red (60 to 90) Microns l. Single Point Panic Bar (2 Horizontal): Make Assa Abloy Yale or Equivalent m. Dead Lock with both side key: Make Assa Abloy Yale or Equivalent n. Vision Panel 200 x 300mm 2 Hrs. Fire Glass Schott Pyran with Frame o. Rated Glass Schott Pyran with Frame p. Anchor Bolt with Endcaps <p>The above assembly mounted on concrete or brick wall including the cost of cutting, chipping, concrete packing, pastering, scaffolding all other conveyence as per standard methods and as directed by the Departmental Officers.</p>	Each	80170.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
332	Supply, erection, testing and commissioning of fire fighting application Monoblock Motor Pumpset of 1100 LPM at 45 metres head to develop 3.5 kg / sq.cm at the highest and farthest hydrant point to make 30m water jet at the time of fire fighting emergency circumstances, coupled with 15 KW / 20 HP rated three phase 414 volts, 50 Hz, 2880 rpm electrical motor the pump with cast iron body, bronze impeller, rope gland packaging, suction size of 100 mm dia, delivery size of 80 mm dia, including the cost of foundation concrete, anti-vibration mounting, rain safety hood and etc., complete as directed by the Departmental Officers (Make: Kirloskar KDS 2050+ or Equivalent)	Each	243100.00
	New Item		
333	Supply, erection, testing and commissioning of fire fighting application monoblock motor pumpset of 450 LPM at 20 metres head to develop 2.0 kg/sq.cm at the heightest and farthest hydrant point to make 10m water jet at the time of fire fighting emergency circumstances, coupled with 3.75KW / 5HP rated three phase 415 volts, 50 Hz, 2880 rpm electrical motor, the pump with cast ron body, bronze impeller, rope gland packaging, suction size of 80 mm dia. delivery size of 65 mm dia, including the cost of foundation concrete anti vibration mounting, rain safety hood and etc. complete as directed by the Departmental Officers (Kirloskar make KDS 538 or Equivalent))	Each	62690.00
334	Supply, erection, testing and commissioning of fire fighting application monoblock motor pumpset of 900 LPM at 40 metres head to develop 3.5 kg/sq.cm at the heightest and farthest hydrant point to make 30 m water jet at the time of fire fighting emergency circumstances, coupled with 11 KW / 15 HP rated three phase 414 volts, 50 Hz, 2880 rpm electrical motor the pump with cast ron body, bronze impeller, rope gland packaging, suction size of 80 mm dia. delivery size of 65 mm dia., including the cost of foundation concrete anti vibration mounting, rain safety hood and etc. complete as directed by the Departmental Officers (Kirloskar make KDS 1555+ or Equivalent)	Each	147400.00
335	Supply, erection, testing and commissioning of Fire Fighting Electrical Control Panel of 15 HP, 415 V, 50 Hz Rating Wall Mounted Type fabricated using CRCA sheet, hinged lockable door, dust and vermin proof with following provisions: a. 63 Amps, 4 Pole MCB - Incomer, 6 Amps, 2 Pole MCB for Control Circuit - 1 set b. R, Y, B Phase Indication Lamp, Volt Meter (0 - 500 V), Ammeter (0 - 50 A), Volt Meter Selector Switch- 1 set c. 32 Amps Power Contactor with 230 V Coil, 14 - 23 Amps Over Load Relay - 1 set d. Single Phase Preventer - 1 No. e. Indication Lamp for Motor ON / OFF / TRIP - 1 set f. AUTO / MANUAL Selector Switch, ON / OFF Push Button - 1 set g. Add On Block, Terminal Block, Power Wiring, Control Wiring, Connectors, Cable Lugs, Slotted Cable Cover The above panel mounted on wall using anchor fasteners bolts, plugs, incoming and outgoing cable connection and all works carried out as per standard methods and as directed by the Departmental Officers.	Each	87208.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
336	Supply, erection, testing and commissioning of Fire Fighting Application Horizontal Centrifugal Type Pump Rated for 2280 LPM at 70 metres head with Electrical Motor of 60 HP of 415 volt 3 phase connection complete with base plate and accessories. (Make: Kirloskar or Equivalent). The rate inclusive of necessary vibration, bad mounting etc., as per standard method as directed by the Departmental Officers.	Each	449900.00
337	<p>Supply, installation, testing and commissioning of Diesel Engine Driven Main Fire Pump suitable for automatic operation and consisting of following and complete in all respects as required.</p> <p>a. End suction, top discharge centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 kg. / sq. cm at highest and farthest outlet at specified flow of 2280 LPM at 70m head conforming to IS 1520.</p> <p>b. 68 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete. Auto starting mechanism, 12 volts / 24 volts electric starting equipment like self motor, dyanamo, solenoid switches etc.</p> <p>c. 110 litres capacity diesel tank mounted over stand fabricated using 25mm x 25mm x 6mm size MS angle, providing with level indicator, inlet port, outlet port, drain port and diesel return line port and fuel pre-filter, after filter etc. (Make: Kirloskar / Equivalent).</p> <p>d. Exhaust system having flexible metallic muffler, 100mm dia MS heavy pipe extended upto 1m, outside pump house duly insulated with 50mm thick glass wool with 1mm thick aluminium sheet cladding, residential silencer with necessary MS support arrangements from wall or ceiling as per site condition.</p> <p>e. Dash board consisting the instruments like temperature gauge, galvano type DC Ammeter, lubricant oil pressure gauge, ignition switch, emergency stop and all other protection equipment as per specification, stop seleneid for auto stop in the event of fault with audio indications, painted with post office red colour etc., as required.</p> <p>f. 12 V / 24 V storage battery, maintenance free tape, 180 AH rating, MS fabricated common base plate, coupling guard, foundation bolts etc., as required.</p> <p>g. Positioning the diesel engine driven fire pump over cement concrete foundation using suitable size anti-vibration mounting arrangement.</p> <p>All works carried out as per standard methods and as instructed by the manufacturer and as directed by the Departmental Officers. (Make: Kirloskar / Equivalent)</p>	Each	1204500.00
338	Supply, erection, testing and commissioning Mono Block type Fire Fighting Pressurisation Pump of 180 LPM 110 metres head at 10 HP with suitable base frame including necessary vibration bad mounting etc., including conveying, fixing and incidental charges., etc., complete as per standard specification and as directed by the Departmental Officers. (Make: Kirloskar / Equivalent)	Each	219890.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
339	Supply, erection, testing and commissioning of Fire Fighting 2 Way Fire Brigade Inlet with necessary gun metal 63mm dia non-return spring shutter arrangements so that to control one way flow at the time of emergency water supply by fire and rescue service fire engine entry including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary., etc., complete as per standard specification and as directed by the Departmental Officers. (Make: KIARTAR / OMEX / EQUIVALENT)	Each	13310.00
340	Supplying, erection, testing and commissioning of Diesel Engine Pump Main Control Panel & Jockey Pump including necessary auto cut-in, cut-off and manual operations, battery charger switch arrangements, voltmeter, ammeter and running indication siren provision, wall mounting type, etc., as per the standard method and as directed by the Departmental Officers.	Each	127600.00
341	Supply and laying of 4 core 10 sq.mm. armoured copper cable for power wiring to the Terrace Pump Motor with runs of 14 SWG TC wire for earthing, providing in wall with suitable size GI clamps, screws, wooden plug, end termination by using suitable size cable glands, copper sockets and etc., as directed by the Departmental Officers.	RM	616.00
342	Supply and laying of 2 core 1.5 sq.mm. armoured copper cable for control wiring to the Terrace Pump Motor with runs of 14 SWG TC wire for earthing, providing in wall with suitable size GI clamps, screws, wooden plug, end termination by using suitable size cable glands, copper sockets and etc., as directed by the Departmental Officers.	RM	149.60
343	Supply, erection, testing and commissioning of Fire Fighting Application direct on line main control panel to control electrical Terrace Pump Motor of 3.75 KW / 5 HP rated 415 volts / 50 Hz 3 phase, 2880 RPM including necessary auto / manual operations, over load relay, selector switches arrangements, voltmeter and ammeter provision, etc., as directed by the Departmental Officers.	Each	57200.00
344	Servicing the following sizes cast iron body Sluice Valves by disconnecting from hydrant line, dismantling, inspecting the internal shutter, replacing valve seating, checking operating lever, lubricating for moving parts, reconnecting with hydrant system as per standard methods and as directed by the Departmental Officers.		
a	80mm dia	Each	1555.00
b	65mm dia	Each	1333.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
345	Supply and fixing of Fire fighting application oblique type stainless steel Hydrant Valve of size 63mm dia with oblique type instantaneous coupling with rotating wheel to open and close the valve including MS flange of table "E", bolts & nuts with washer as per IS 5290 at ring main around the building and wet riser inside the building including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	11044.00
346	Supply, installation of Fire Fighting Application 180 degree swinging type, hose reel drum with 20mm dia braided thermoplastic hose of 30 metres long, so as to extend to necessary distance by self rolling spindle wheel including necessary 20mm dia ball valve and open and close spray nozzle, warm clip, etc., as per the standard pattern of any reputed make at every floor nearer to hydrant valve, including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary., etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	14905.00
347	Supply, and fixing in position of Fire Fighting Application Hose of 63mm dia of 15 metres length binded by copper wire with 63mm dia stainless steel male and female instantaneous fire fighting special coupling as per IS 901 as directed by the Departmental Officers. Near every hydrant points including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR/ LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	9853.00
348	Supply, and fixing in position of Fire Fighting Application 63mm dia stainless steel short length Branch Pipe with hexagonal type spray nozzle of 15mm (or) 20mm jet bore. Near every hydrant points including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	3643.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
349	Supply of Fire Fighting Application MS Hose Box to keep two number of hoses and 1 No. of branch pipe with nozzle having proper glass window type double door with universe open key, painted inside white and outside Post Office Red. Near every hydrant point including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	8498.00
350	Supply and fixing nominal bore quartized bulb type sprinkler bulb 68 Deg C fast response pendent type including GI collar for each sprinkler bulb, mounted in MS pipe line using suitable size MS threaded coupling, thread, shellac etc., as per standard methods and including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	499.00
351	Supply, erection, testing and commissioning of following MS 'C' Class Heavy Duty Pipe as per IS 1239 to withstand a developing pressure of 10 kg. / sq.cm including necessary fittings like MS flange of table 'E', elbows, reducers, gaskets, bolt, nuts with washers & joints as per standard method of arc welding, including one coat metal primer and two coat Post Office Red painting including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: JINDAL / EQUIVALENT.		
a	250mm dia	RM	6110.00
b	200mm dia	RM	4555.00
c	150mm dia	RM	3276.00
d	100mm dia	RM	2277.00
e	80mm dia	RM	1777.00
f	65mm dia	RM	1499.00
g	50mm dia	RM	888.00
h	40mm dia	RM	666.00
i	25mm dia	RM	555.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
352	Wrapping and coating anti-corrosive treatment for the following under ground MS pipe having one coat of anti-corrosive metal primer, one layer of asphalt tar tape wound over the MS Pipe as per standard methods as per standard specifications and as directed by the Departmental Officers.		
a	200mm dia	RM	499.00
b	150mm dia	RM	444.00
353	Supply, erection, testing and commissioning of following sizes of Heavy Duty Foot Valve including all accessories, such as, MS flange of table 'E', gaskets, bolts & nuts, etc., installed at end of 150 / 200mm dia suction pipe line at sump including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete and as per standard specification and as directed by the Departmental Officers. Make: NORMEX / KARTAR / EQUIVALENT		
a	200mm dia	Each	34430.00
b	150mm dia	Each	26664.00
c	100mm dia	Each	16665.00
354	Supply, erection, testing and commissioning of cast iron body and bronze internal non-rising spindle sluice valve of sizes at required places to control the flow of water including necessary MS flange of table 'E', gaskets, bolts & nuts including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: NORMEX / KARTAR / EQUIVALENT		
a	250mm dia	Each	64438.00
b	200mm dia	Each	41657.00
c	150mm dia	Each	24552.00
d	100mm dia	Each	16544.00
e	80mm dia	Each	12210.00
f	65mm dia	Each	9221.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
355	Supply, erection, testing and commissioning of Cast iron body and Gun metal or stainless steel internal Non-return valve of following sizes to control one way flow of water to be installed pump room at delivery line and near overhead tank at terrace level near to jockey pump and motor including necessary MS flange of table 'E', gaskets, bolts & nuts, etc. as per IS 5312 including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers.		
a	200mm dia	Each	51216.00
b	150 mm dia	Each	29997.00
c	100mm dia	Each	12441.00
356	Supply, erection, testing and commissioning of Gun Metal Gate Valve of size 50mm dia size including necessary MS flange of table 'E', gaskets, bolts & nuts etc., installed at pump house delivery line for the purpose of priming water to suction line including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: LEADER / EQUIVALENT.	Each	5610.00
357	Supply, erection, testing and commissioning of Gun Metal Non-Return Valve of size 50mm dia including necessary MS flange of table 'E', gaskets, bolts & nuts, etc., installed at pump house delivery line for the purpose of priming to suction line so that to control one way including conveying, fixing and incidental charges etc., complete as per standard specification and as directed by the Departmental Officers. Make: LEADER / EQUIVALENT.	Each	5443.00
358	Supply and providing 1000 litres capacity Priming Tank made up of PVC. Make: SINTEX / EQUIVALENT	Each	9999.00
359	Priming Tank mounted with the supporting arrangement fabricated using MS angle for the height of 3 metres from the floor level, inlet, outlet, and drain arrangements inside the fire fighting pump room, as directed by the Departmental Officers.	Each	14998.00
360	Supply and laying of following sizes of Armoured Aluminium / Copper Cables for electrical motor, control panel, pressure switch, jockey motor etc., all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON / FINOLEX / EQUIVALENT.		
a	3 core 185 sq.mm. armoured aluminium cable	RM	1666.00
b	3 core 10 sq.mm. armoured copper cable	RM	743.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
c	10 core 2.5 sq.mm. armoured copper cable	RM	666.00
d	2 core 2.5 sq.mm. armoured copper cable	RM	222.00
361	Earthing arrangements with GI Earth Plate including charcoal and salt with necessary excavation in all soils and to full depth as may be required and masonry work, re-filling the sides of foundation with excavated earth as per the standard specification and as directed by the Departmental Officers.	Each	6666.00
362	Supply, erection, testing and commissioning of Pressure Gauge with 0 to 14 kg. range of reputed make with necessary valve, milling thread MS coupling fixed at delivery pipe line in pump house to read the developing pressure including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: H-GURU / ISI MAKE / EQUIVALENT.	Each	3444.00
363	Supply, erection, testing and commissioning of suitable Pressure Switch of reputed make line Indfoss or Donfoss including necessary valves, couplings, etc., connected with electrical main control panel and setup at proper differential so as to auto start and auto stop the electrical motor, jockey motor including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., completed as per standard specification and as directed by the Departmental Officers. Make: DONFOSS / INDFOSS / ISI MAKE / EQUIVALENT.	Each	5777.00
	New Item		
364	<p>Supplying, erection, testing and commissioning of Fire Fighting Electrical Control Panel of 10HP, 415V, 50Hz rating Wall Mounted Type fabricated using CRCA sheet, hinged lockable door, dust and vermin proof with following provisions.</p> <p>a. 50 Amps, 4 Pole MCB-Incomer, 6 Amps, 2 Pole MCB for Control Circuit-1 set</p> <p>b. R, Y, B Phase Indication Lamp, Voltmeter (0-500V), Ammeter (0-50A), Voltmeter Selector Switch-1set</p> <p>c. 32 Amps Power Contactor with 230V Coil, 14-23 Amps Over Load Relay-1 set</p> <p>d. Single Phase Preventer-1 No.</p> <p>e. Indication Lamp for Motor On/Off Push Button-1 set</p> <p>f. Auto / Manual Selector Switch, On / Off Push Button-1 set</p> <p>g. Add On Block, Terminal Block, Power Wiring, Control Wiring, Connectors, Cable Lugs, Slotted Cable Cover.</p> <p>The above panel mounted on wall using anchor fasteners, bolts, plugs, incoming and outgoing cable connection and all works carried out as per standard specifications and as directed by the Departmental Officers.</p>	Each	84200.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
365	<p>Supplying, installation, testing and commissioning of Fire Fighting Electrical Control Panel of cubical construction, floor mounted type fabricated using CRCA sheet, compartmentalised with hinged lockable door dust and vermin proof, cable alley, inter connection having switch gears and accessories mounting and internal wiring, earth terminals, numberings, necessary metering protections and indications complete in all respect suitable for operation on 415volt, 3 phase, 50 Hz AC supply with enclosure protection class IP 54 and mounted with the followings.</p> <p>A. Common Panel in Fire Pump House</p> <p>(i). Incomer</p> <p>a. 1 No. 600A TP & N SDFU with HRC fuses</p> <p>b. 1 set of 600A, 4 bar aluminium bus bar, 415 V, 50 HZ AC supply</p> <p>c. 1 No. (0-500A) digital ammeter with selector switch & CTs</p> <p>d. 1 No. (0-500V) digital voltmeter with selector switch and control fuses</p> <p>e. 3 Nos. phase indication lamp LED type with toggle switches with control fuses</p> <p>(ii). Outgoing</p> <p>a. Main Fire Pump</p> <p>400 A TPN SDFU with HRC fuses with suitable HP fully automatic starter / delta starter with over load protection, digital ammeter with built-in selector switch and suitable CTs, current sensing type single phasing preventer complete with all accessories and internal wiring required for automatic operation, selector switch for auto / manual / OFF operation - 1 No.</p> <p>b. Jockey Pump</p> <p>125 A TPN SDFU with HRC fuses with suitable HP fully automatic starter / delta starter with over load protection, current sensing type single phasing preventer complete with all accessories and internal wiring required for automatic operation, selector switch for auto / manual operation - 1 No.</p> <p>c. Diesel Engine Control comprising of:</p> <p>1. Auto / manual selector switch and 3 attempt starting device, timers and relays as required, push buttons, start / stop in manual mode.</p> <p>2. Indication lamp for high / low lubricant oil pressure, high water temperature and engine ON indication.</p> <p>3. Battery charger suitable for 12V /24V DC with boost and tickle selector switch, 0-15V / 0-30V DC volt meter, 0-20A DC ammeter.</p> <p>4. All standard relays and accessories for automatic operation of diesel engine.</p> <p>5. The above combined panel mounted over MS channel fabricated frame with cement concrete platform, all other connection works carried out as per standard methods and including conveying, fixing and incidental charges, etc., complete as per standard specification and as directed by the Departmental Officers.</p>	Each	583000.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
366	<p>Supply erection testing and commissioning of Electric Motor Driven Fire Pumpset suitable for automatic operation and consisting of following:</p> <p>a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 4550 LPM against a total head of 110 metres, so as to ensure a minimum pressure of 3.5 kg. per sq.cm at the farthest top most hydrant / outlet with pump casing of cast iron to grade FG 200, IS 210-1978 and parts like impeller, shaft sleeve, bearing ring etc., of non-corrosive metal either like bronze, brass or gun metal and shaft of stainless steel.</p> <p>b. 1 No. squirrel cage induction motor of 175 HP, 415 Volt, 3 phase 50Hz rating, conforming to IS:325-1978 with class "F" insulation, totally enclosed, IP 55 for enclosure fan cooled type conforming to relevant protection clause of IS 4691, synchronous speed of 2900 RPM.</p> <p>c. Common bed plate fabricated with MS channel / cast iron type for assembling the pump and motor flexible coupling between the pump and the motor with coupling guard for protection - 1 No.</p> <p>d. Making cement concrete foundation suitable for the above pumpset including vibration isolation pads as necessary, foundation bolts, brackets, clamp fixtures, grouting, etc., in accordance with the manufacturer's design and as per standard methods and including conveying, fixing and incidental charges, etc., complete as per standard Specification and as directed by the Departmental Officers.</p>	Each	916300.00
367	<p>Supply, installation, testing and commissioning of Diesel Engine Driven Main Fire Pump suitable for automatic operation and consisting of followings and complete in all respects as required.</p> <p>a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 4550 LPM against a total head of 110 metres, so as to ensure a minimum pressure of 3.5 kg. per sq.cm at the farthest top most hydrant / outlet with pump casing of cast iron to grade FG 200, IS 210-1978 and parts like impeller, shaft sleeve, bearing ring etc., of non-corrosive metal either like bronze, brass or gun metal and shaft of stainless steel.</p> <p>b. 190 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete.</p> <p>c. Auto starting mechanism, 12 volts / 24 volts electric starting equipment like self motor, dynamo, solenoid switches, etc.</p> <p>d. 110 litres capacity diesel tank mounted over stand fabricated using 25mm x 25mm x 6mm size MS angle providing with level indicator, inlet port, outlet port, drain port and diesel return line port and fuel pre-filter, after filter etc.....</p>	Each	1377000.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	<p>e. Exhaust system having flexible metallic muffler, 100mm dia MS heavy pipe extended upto 1m outside pump house duly insulated with 50mm thick glass wool with 1mm thick aluminium sheet cladding, residential silencer with necessary MS support arrangements from wall or ceiling as per site condition.</p> <p>f. Dash board consisting the instruments like Temperature Gauge, Galvano Type DC Ammeter, Lubricant Oil Pressure Gauge, Ignition Switch, Emergency Stop and all other protection equipment as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with Post Office Red Colour, etc., as required.</p> <p>g. 12V / 24V, storage battery, maintenance free type, 180AH rating, MS fabricated common base plate, coupling guard, foundation bolts, etc., as required.</p> <p>h. Positioning the diesel engine driven fire pump over cement concrete foundation using suitable size anti-vibration mounting arrangement.</p> <p>All works including conveying, fixing and incidental charges, etc., complete as per standard specification and as directed by the Departmental Officers. Make: KIRLOSKAR / EQUIVALENT.</p>		
368	<p>Supply, installation, testing and commissioning of Diesel Engine Driven Main Fire Pump suitable for automatic operation and consisting of followings complete in all respects as required.</p> <p>a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 2850 LPM against a total head of 110 metres, so as to ensure a minimum pressure of 3.5 kg. per sq.cm at the farthest top most hydrant / outlet with pump casing of cast iron to grade FG 200, IS 210-1978 and parts like impeller, shaft sleeve, bearing ring, etc., of non-corrosive metal either like bronze, brass or gun metal and shaft of stainless steel.</p> <p>b. 100 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete.</p> <p>c. Auto starting mechanism, 12 volts / 24 volts electric starting equipment like self motor, dynamo, solenoid switches etc.</p> <p>d. 110 litres capacity diesel tank mounted over stand fabricated using 25mm x 25mm x 6mm size MS angle providing with level indicator, inlet port, outlet port, drain port and diesel return line port and fuel pre filter, after filter etc.....</p>	Each	1271000.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	<p>e. Exhaust system having flexible metallic muffler, 100mm dia MS heavy pipe extended upto 1m outside pump house duly insulated with 50mm thick glass wool with 1mm thick aluminium sheet cladding, residential silencer with necessary MS support arrangements from wall or ceiling as per site condition.</p> <p>f. Dash board consisting of the instruments like Temperature Gauge, Galvano Type DC Ammeter, Lubricant Oil Pressure Gauge, Ignition Switch, Emergency Stop and all other protection equipments as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with Post Office Red Colour etc., as required.</p> <p>g. 12 V / 24 V, storage battery, maintenance free type, 180AH rating. MS fabricated common base plate, coupling guard, foundation bolts, etc., as required.</p> <p>h. Positioning the Diesel Engine Driven Fire Pump over cement concrete foundation using suitable size anti vibration mounting arrangements.</p> <p>All works including conveying, fixing and incidental charges, etc., completed as per standard specification and as directed by the Departmental Officers. Make: KIRLOSKAR / EQUIVALENT.</p>		
	New Item		
369	<p>Supply, installation, testing and commissioning of Diesel Engine Driven Main Fire Pump suitable for automatic operation and consisting of followings complete in all respects as required.</p> <p>a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 2850 LPM against a total head of 70 metres, so as to ensure a minimum pressure of 3.5 kg. per sq.cm at the farthest top most hydrant / outlet with pump casing of cast iron to grade FG 200, IS 210-1978 and parts like impeller, shaft sleeve, bearing ring, etc., of non-corrosive metal either like bronze, brass or gun metal and shaft of stainless steel.</p> <p>b. 68 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete.</p> <p>c. Auto starting mechanism, 12 volts / 24 volts electric starting equipment like self motor, dynamo, solenoid switches etc.</p> <p>d. 110 litres capacity diesel tank mounted over stand fabricated using 25mm x 25mm x 6mm size MS angle providing with level indicator, inlet port, outlet port, drain port and diesel return line port and fuel pre filter, after filter etc.....</p>	Each	1150000.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	<p>e. Exhaust system having flexible metallic muffler, 100mm dia MS heavy pipe extended upto 1m outside pump house duly insulated with 50mm thick glass wool with 1mm thick aluminium sheet cladding, residential silencer with necessary MS support arrangements from wall or ceiling as per site condition.</p> <p>f. Dash board consisting of the instruments like Temperature Gauge, Galvano Type DC Ammeter, Lubricant Oil Pressure Gauge, Ignition Switch, Emergency Stop and all other protection equipments as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with Post Office Red Colour etc., as required.</p> <p>g. 12 V / 24 V, storage battery, maintenance free type, 180AH rating. MS fabricated common base plate, coupling guard, foundation bolts, etc., as required.</p> <p>h. Positioning the Diesel Engine Driven Fire Pump over cement concrete foundation using suitable size anti vibration mounting arrangements.</p> <p>All works including conveying, fixing and incidental charges, etc., completed as per standard specification and as directed by the Departmental Officers. (Make: KIRLOSKAR / EQUIVALENT).</p>		
370	<p>Supply, erection, testing and commissioning of Fire Fighting Application Horizontal Centrifugal Type Pump rated for 2850 LPM at 70 metres head with Electrical Motor of 60HP of 415 volt, 3 phase connection complete with base plate and accessories. (Make Kirloskar or Equivalent). The rate inclusive of necessary vibration, bed mounting, etc., as per standard specifications and as directed by the Departmental Officers</p>	Each	584300.00
371	<p>Supply, installation, testing and commissioning of Diesel Engine Driven Main Fire Pump suitable for automatic operation and consisting of followings complete in all respects as required.</p> <p>a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 1620 LPM against a total head of 40 metres, so as to ensure a minimum pressure of 3.5 kg. per sq.cm at the farthest top most hydrant / outlet with pump casing of cast iron to grade FG 200, IS 210-1978 and parts like impeller, shaft sleeve, bearing ring, etc., of non-corrosive metal either like bronze, brass or gun metal and shaft of stainless steel.</p> <p>b. 36 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete.</p> <p>c. Auto starting mechanism, 12 volts / 24 volts electric starting equipment like self motor, dynamo, solenoid switches etc.</p> <p>d. 110 litres capacity diesel tank mounted over stand fabricated using 25mm x 25mm x 6mm size MS angle providing with level indicator, inlet port, outlet port, drain port and diesel return line port and fuel pre filter, after filter etc.....</p>	Each	902600.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	<p>e. Exhaust system having flexible metallic muffler, 100mm dia MS heavy pipe extended upto 1m outside pump house duly insulated with 50mm thick glass wool with 1mm thick aluminium sheet cladding, residential silencer with necessary MS support arrangements from wall or ceiling as per site condition.</p> <p>f. Dash board consisting of the instruments like Temperature Gauge, Galvano Type DC Ammeter, Lubricant Oil Pressure Gauge, Ignition Switch, Emergency Stop and all other protection equipments as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with Post Office Red Colour etc., as required.</p> <p>g. 12 V / 24 V, storage battery, maintenance free type, 180AH rating. MS fabricated common base plate, coupling guard, foundation bolts, etc., as required.</p> <p>h. Positioning the Diesel Engine Driven Fire Pump over cement concrete foundation using suitable size anti vibration mounting arrangements.</p> <p>All works including conveying, fixing and incidental charges, etc., completed as per standard specification and as directed by the Departmental Officers. (Make: KIRLOSKAR / EQUIVALENT).</p>		
372	Supply, erection, testing and commissioning of Fire Fighting Application Horizontal Centrifugal Type Pump rated for 1620 LPM at 40 metres head with Electrical Motor of 35HP of 415 volt, 3 phase connection complete with base plate and accessories. (Make Kirloskar or Equivalent). The rate inclusive of necessary vibration, bed mounting, etc., as per standard specifications and as directed by the Departmental Officers.	Each	279100.00
373	Supply, Installing, testing and commissioning of Stainless Steel Corrugated Flexible Braided Pipe (Hose) for dropping sprinklers below false ceiling. Pipe shall be 16 bar pressure rating and 1500mm long, 25mm dia with union / reducer, collar, clamps, etc. It shall have UL listed and FM approved.	Each	2440.00
374	Supply, Installing, testing and commissioning of Stainless Steel Corrugated Flexible Braided Pipe (Hose) for dropping sprinklers below false ceiling. Pipe shall be 16 bar pressure rating and 1000mm long, 25mm dia with union / reducer, collar, clamps, etc. It shall have UL listed and FM approved.	Each	1800.00
375	Supplying and installing of approved type Rosette Plates (Recessed Type in Two Pieces) for sprinklers below false ceiling area. The Rosette shall be fabricated by MS plate of 2mm thick and the finish shall be powder coated and colour, as directed by the Departmental Officers.	Each	230.00
376	Supply and kept in position of 9 litres capacity Fire Buckets of 4 Nos. with Bucket Stand as per standard specifications and as directed by the Departmental Officers	Each	5550.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
377	Supply and fixing in position of Fire Fighting Duct Window having proper glass window type double door with universe open key, painted inside white and outside post office red for the sizes of 1300 x 900 x 500mm (L x B x D) fabricated using 25 x 3mm MS 'L' Angle and all sides covered with 2mm thick MS sheets, suitable arrangements to kept 2 Nos. of Fire Fighting Hoses and 1 No. Branch Pipe, mounted in fire duct using anchor fasteners, etc., as per standard specifications and as per directed by the Departmental Officers.	Each	55600.00
378	Supply, erection, testing and commissioning of 180 LPM, 70 metres Head Pressurization Pump with 10HP electrical motor of Kirloskar make with suitable base frame including necessary vibration bad mounting etc., including conveying, fixing and incidental charges, etc., complete as per standard specification and as directed by the Departmental Officers. Make: KIRLOSKAR / EQUIVALENT.	Each	113300.00
379	Supply, erection, testing and commissioning of Fire Fighting 4 Way Fire Brigade Inlet with necessary gun metal 63mm dia non return spring shutter arrangements, so that to control one way flow at the time of emergency water supply by fire and rescue service fire engine entry including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: KIARTAR / OMEX / EQUIVALENT.	Each	16109.00
380	Supply, erection, testing and commissioning of Air Release Valve of 20mm dia, so as to release airlock in 100mm dia MS pipe at top most wet riser, including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: KARTAR / EQUIVALENT.	Each	1610.00
381	Providing, fixing pipe supports from columns / wall or suspenders from roof slab to suit various dia of pipes made out of GI / MS adjustable rods threaded for a sufficient length to adjust the height of support along with clamping arrangement for holding pipes of anchor fastening, arrangement design of hanger and should confirm with specification.		
a	100mm dia	Each	310.00
b	80mm dia	Each	299.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
c	50mm dia	Each	277.00
d	40mm dia	Each	155.00
382	Supply and fixing of stored pressure ABC (Mono Ammonium Phosphate) Powder Type Fire Extinguisher of 6 kg. capacity as per IS:15683 with pressure gauge, discharge hose & control nozzle, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc, complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	Each	4999.00
383	Supply and fixing of Carbon-di-Oxide Gas Type 2 kg. capacity Fire Extinguisher as per New IS15683, complete with control valve, discharge hose with horn, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	Each	8332.00
384	Supply and kept in position of Trolley Mounted Water CO ₂ Stored Pressure Type 50 litres capacity Fire Extinguisher as per IS13385, complete with control valve, gun metal cap, pressure gauge, operation sticker, discharge hose, mounting trolley with moving wheel, safety clip, etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	Each	23320.00
385	Supply and kept in position of Trolley Mounted Type 22.5 kg. Carbon-di-Oxide Fire Extinguisher as per IS15683, complete with control valve, gun metal cap, pressure gauge, operation sticker, discharge hose, mounting trolley with moving wheel, safety clip, etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	Each	32219.00

Sl. No.	Name of Material	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
386	Servicing the SS Hydrant Valves by disconnecting from pipe line, dismantling, checking the operation of rotating spindle, replacing rubber 'O' ring of valve seating, replacing rubber gasket of 80mm dia OD x 65mm dia ID, replacing the 5/8" x 2 ¹ / ₂ bolt, nut, washers, re-connecting with hydrant system as per standard methods and as directed by the Departmental Officers.	Each	1610.00
387	Servicing the First Aid Hose Reel Drum assembly by disconnecting from hydrant line, replacing shut off nozzle, worm clip, lubricating the rotating assembly, replacing 20mm dia, 30 metres long rubber hose, re-connecting with hydrant system as per standard methods and as directed by the Departmental Officers.	Each	3888.00
388	Servicing the following sizes of cast iron body Sluice Valves by disconnecting from hydrant line, dismantling, inspecting the internal shutter, replacing valve seating, checking operating lever, lubricating for moving parts, re-connecting with hydrant system, as per standard methods and as directed by the Departmental Officers.		
a	150mm dia	Each	2999.00
b	100mm dia	Each	1999.00
389	Supply and fixing in position of 12 Volt 180 AH Lead Acid, Sealed Maintenance Free (SMF) batteries with connecting leads, lugs terminal post, etc., as per standard methods and including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT.	Each	27775.00

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)		
			WORKING PRESSURE		
			4 kg. per cm ²	6 kg. per cm ²	10 kg. per cm ²
	WATER SUPPLY AND SANITARY ARRANGEMENTS				
390	PVC ITEMS FINOLEX (OR) EQUIVALENT (WITH ISI MONOGRAM)				
1	PVC Pipes				
a	15mm dia	RM	--	--	16.30
b	20mm dia	RM	--	--	24.10
c	25mm dia	RM	--	--	41.20
d	32mm dia	RM	--	--	61.70
e	40mm dia	RM	--	--	96.60
f	50mm dia	RM	61.70	96.60	144.70
g	63mm dia	RM	89.30	130.80	--
h	75mm dia	RM	124.20	186.20	--
i	90mm dia	RM	144.80	221.30	--
j	100mm dia	RM	169.10	255.80	--
k	110mm dia	RM	193.50	290.40	--
l	160mm dia	RM	399.80	566.70	--
Note	(1) For Rainwater down fall pipe works, only PVC Pipe of working Pressure of 4 kg. per sq.cm. shall be adopted.				
	(2) For Sanitary arrangement items of works, only PVC Pipe of working Pressure of 6 kg. per sq.cm. shall be adopted.				
	(3) For Water Supply arrangement items of works, only PVC Pipe of working Pressure of 10 kg. per sq.cm. shall be adopted.				
391	PVC Specials for water supply arrangements				
A	Coupler				
a	15mm dia	Each	--	--	3.90
b	20mm dia	Each	--	--	4.50
c	25mm dia	Each	--	--	5.30
d	32mm dia	Each	--	--	6.70
e	40mm dia	Each	--	--	10.00
f	50mm dia	Each	--	--	13.60
B	Elbow				
a	15mm dia	Each	--	--	5.90
b	20mm dia	Each	--	--	6.70

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)		
			WORKING PRESSURE		
			4 kg. per cm ²	6 kg. per cm ²	10 kg. per cm ²
c	25mm dia	Each	--	--	9.50
d	32mm dia	Each	--	--	13.60
e	40mm dia	Each	--	--	19.20
f	50mm dia	Each	--	--	27.40
C	Bend				
a	15mm dia	Each	--	--	6.70
b	20mm dia	Each	--	--	8.10
c	25mm dia	Each	--	--	10.80
d	32mm dia	Each	--	--	16.30
e	40mm dia	Each	--	--	21.90
f	50mm dia	Each	--	--	34.30
D	Tee				
a	15mm dia	Each	--	--	8.10
b	20mm dia	Each	--	--	9.50
c	25mm dia	Each	--	--	13.60
d	32mm dia	Each	--	--	16.40
e	40mm dia	Each	--	--	27.40
f	50mm dia	Each	--	--	41.20
E	End Cap				
a	15mm dia	Each	--	--	3.90
b	20mm dia	Each	--	--	5.30
c	25mm dia	Each	--	--	6.70
d	32mm dia	Each	--	--	8.10
e	40mm dia	Each	--	--	12.70
f	50mm dia	Each	--	--	17.70
F	Reducer				
a	20mm x 15mm	Each	--	--	5.30
b	25mm x 20mm	Each	--	--	5.90
c	32mm x 25mm	Each	--	--	9.50
d	40mm x 32mm	Each	--	--	12.70
e	50mm x 40mm	Each	--	--	21.90

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)		
			WORKING PRESSURE		
			4 kg. per cm ²	6 kg. per cm ²	10 kg. per cm ²
G	Reducer Tee				
a	20mm x 15mm	Each	--	--	8.10
b	25mm x 20mm	Each	--	--	9.50
c	32mm x 25mm	Each	--	--	13.60
d	40mm x 32mm	Each	--	--	16.40
e	50mm x 40mm	Each	--	--	27.40
H	Reducer Elbow				
a	20mm x 15mm	Each	--	--	6.70
b	25mm x 20mm	Each	--	--	8.10
c	32mm x 25mm	Each	--	--	10.80
d	40mm x 32mm	Each	--	--	13.60
e	50mm x 40mm	Each	--	--	20.50
I	Jet Nipple				
a	25mm dia	Each	--	--	17.70
b	32mm dia	Each	--	--	23.10
J	PVC Door Bend				
a	15mm dia	Each	--	--	6.70
b	20mm dia	Each	--	--	8.10
c	25mm dia	Each	--	--	10.80
d	32mm dia	Each	--	--	16.30
e	40mm dia	Each	--	--	21.90
f	50mm dia	Each	--	--	31.80
K	PVC Door Tee				
a	15mm dia	Each	--	--	8.10
b	20mm dia	Each	--	--	9.50
c	25mm dia	Each	--	--	13.60
d	32mm dia	Each	--	--	16.40
e	40mm dia	Each	--	--	27.20
f	50mm dia	Each	--	--	30.90

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
			"O" Ring Jointing	By pasting
392	PVC SPECIALS FOR SANITARY ARRANGEMENTS FINOLEX (OR) EQUIVALENT (WITH ISI MONOGRAM)			
A	Elbow			
a	75mm	Each	72.30	59.20
b	90mm	Each	92.70	71.50
c	110mm	Each	112.40	62.70
d	160mm	Each	125.70	106.10
B	Door Elbow			
a	75mm	Each	92.70	66.30
b	90mm	Each	119.30	79.50
c	110mm	Each	145.80	125.70
d	160mm	Each	172.50	146.00
C	Tee			
a	75mm	Each	99.20	92.70
b	90mm	Each	125.70	112.40
c	110mm	Each	165.50	152.30
d	160mm	Each	185.90	164.70
D	Tee with Door (Single)			
a	75mm	Each	125.70	119.30
b	90mm	Each	152.30	132.50
c	110mm	Each	192.10	178.90
d	160mm	Each	232.00	212.50
E	Tee with Door (Double)			
a	75mm	Each	159.00	152.30
b	90mm	Each	218.70	198.60
c	110mm	Each	265.70	251.60
d	160mm	Each	304.50	270.40
F	Bend			
a	75mm	Each	79.50	66.30

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
			"O" Ring Jointing	By pasting
b	90mm	Each	99.20	79.50
c	110mm	Each	119.30	99.20
d	160mm	Each	132.50	112.40
G	"Y"			
a	75mm	Each	106.10	99.20
b	90mm	Each	132.50	119.30
c	110mm	Each	172.50	159.20
d	160mm	Each	192.10	172.50
H	"Y" with Door (single)			
a	75mm	Each	125.70	119.30
b	90mm	Each	159.30	139.10
c	110mm	Each	212.50	185.90
d	160mm	Each	244.10	216.10
I	"Y" with Door (Double)			
a	75mm	Each	172.40	165.50
b	90mm	Each	231.80	212.50
c	110mm	Each	278.80	264.50
d	160mm	Each	337.10	303.50
J	Double Tee with Door (Single)			
a	75mm	Each	218.40	178.90
b	90mm	Each	250.80	205.50
c	110mm	Each	296.80	258.70
d	160mm	Each	331.50	291.20
K	Double "Y" with Door (single)			
a	75mm	Each	238.50	198.20
b	90mm	Each	265.40	225.10
c	110mm	Each	303.50	284.40
d	160mm	Each	370.70	331.50

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
			"O" Ring Jointing	By pasting
L	Reducer			
a	75mm x 63mm	Each	72.40	59.20
b	110mm x 63mm	Each	92.70	79.50
c	110mm x 75mm	Each	106.10	92.70
d	110mm x 90mm	Each	119.20	106.10
f	160mm x 110mm	Each	139.10	132.50
M	Shoe			
a	110mm dia	Each	--	79.50
b	160mm dia	Each	--	119.20
N	Vent Cowl			
a	50mm dia	Each	--	32.80
b	75mm dia	Each	--	52.90
c	110mm dia	Each	--	78.40
393	PVC AND HDPE PIPES FOR BORE WELLS			
A	Special Blue Pipes for Bore Well			
a	110mm dia	RM	--	330.00
b	125mm dia	RM	--	370.00
c	140mm dia	RM	--	426.00
d	160mm dia	RM	--	481.00
B	Special Blue Slotted Pipes for Bore Wells			
a	110mm dia	RM	--	343.00
b	125mm dia	RM	--	392.00
c	140mm dia	RM	--	454.00
d	160mm dia	RM	--	552.00
C	End Cap for Bore Well			
a	110mm dia	Each	--	103.30
b	125mm dia	Each	--	110.50
c	140mm dia	Each	--	124.30

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
			"O" Ring Jointing	By pasting
d	160mm dia	Each	--	137.50
D	HDPE PIPES FOR SUB-MERSIBLE PUMP IN BORE WELL Class-5 (1 MPa or 10 kg./cm2 pressure)			
a	20mm dia	RM	--	34.00
b	25mm dia	RM	--	61.70
c	32mm dia	RM	--	82.70
d	40mm dia	RM	--	117.00
e	50mm dia	RM	--	165.70
394	1.0 HP Jet Pump Set	Each	8923.00	
395	1.5 HP Jet Pump Set	Each	15300.00	
396	2.0 HP Jet Pump Set	Each	13786.00	
397	3.0 HP Jet Pump Set	Each	25500.00	
398	1.0 HP Monoblock Pump	Each	8080.00	
399	2.0 HP Monoblock Pump	Each	12120.00	
400	5.0 HP Monoblock Pump	Each	35350.00	
401	2.0 HP Submersible Pump	Each	15300.00	
402	3.0 HP Submersible Pump	Each	35140.00	
403	5.0 HP Submersible Pump	Each	52000.00	
404	7.5 HP Submersible Pump	Each	83300.00	
405	10.0 HP Submersible Pump	Each	101000.00	
406	3 Phase Panel Board including labour charges	Each	13260.00	
407	Nylon Rope for Bore-well	RM	61.20	
408	UPVC Pipe (Un-Plasticized Polyvinyl Chloride) UPVC used for residential and home applications, water pressure in residential areas do not normally exceed the maximum tolerance. (Schedule-40)			
a	15mm dia	RM	40.60	
b	20mm dia	RM	58.30	
c	25mm dia	RM	84.60	

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
			"O" Ring Jointing	By pasting
d	32mm dia	RM	114.80	
e	40mm dia	RM	127.40	
f	50mm dia	RM	175.50	
g	65mm dia	RM	260.90	
h	80mm dia	RM	333.70	
i	100mm dia	RM	437.90	
j	150mm dia	RM	731.30	
409	UPVC Pipe (Un-Plasticized Polyvinyl Chloride) UPVC used for commercial applications operate and designed to handle higher water pressure (Schedule-80)			
a	15mm dia	RM	51.00	
b	20mm dia	RM	72.00	
c	25mm dia	RM	102.30	
d	32mm dia	RM	141.10	
e	40mm dia	RM	173.60	
f	50mm dia	RM	236.30	
g	65mm dia	RM	337.00	
h	80mm dia	RM	484.90	
i	100mm dia	RM	719.00	
j	150mm dia	RM	1200.00	
410	CPVC (Chlorinated Poly Vinyl Chloride) Pipe (Higher pressure rating with higher pipe thickness) Standard Dimension Ratio-11			
a	15mm dia	RM	73.90	
b	20mm dia	RM	112.00	
c	25mm dia	RM	174.70	
d	32mm dia	RM	260.90	
e	40mm dia	RM	286.70	
f	50mm dia	RM	312.40	
g	65mm dia	RM	339.30	

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
			"O" Ring Jointing	By pasting
	New Items			
h	80mm dia	RM	425.00	
i	100mm dia	RM	650.00	
j	150mm dia	RM	950.00	
411	CPVC (Chlorinated Poly Vinyl Chloride) Pipe (Lesser pressure rating with lesser pipe thickness) Standard Dimension Ratio-13.50			
a	15mm dia	RM	64.70	
b	20mm dia	RM	102.70	
c	25mm dia	RM	149.10	
d	32mm dia	RM	226.20	
e	40mm dia	RM	249.70	
f	50mm dia	RM	272.00	
g	65mm dia	RM	294.50	
	New Items			
h	80mm dia	RM	315.00	
i	100mm dia	RM	475.00	
j	150mm dia	RM	700.00	
412	UPVC Specials			
I	Elbow			
a	50mm dia	Each	83.70	
b	40mm dia	Each	55.70	
c	32mm dia	Each	41.80	
d	25mm dia	Each	27.80	
e	20mm dia	Each	17.10	
f	15mm dia	Each	11.40	
II	Tee			
a	50mm dia	Each	116.00	
b	40mm dia	Each	72.00	
c	32mm dia	Each	54.30	

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
			"O" Ring Jointing	By pasting
d	25mm dia	Each	36.70	
e	20mm dia	Each	21.20	
f	15mm dia	Each	15.10	
III	Union			
a	20mm dia	Each	39.30	
b	15mm dia	Each	31.50	
c	25mm dia	Each	63.10	
d	32mm dia	Each	85.20	
e	40mm dia	Each	126.30	
f	50mm dia	Each	268.80	
IV	Bend			
a	50mm dia	Each	78.40	
b	40mm dia	Each	56.00	
c	32mm dia	Each	39.20	
d	25mm dia	Each	31.30	
e	20mm dia	Each	22.40	
V	Coupler			
a	50mm dia	Each	67.70	
b	40mm dia	Each	49.20	
c	32mm dia	Each	39.70	
d	25mm dia	Each	31.20	
e	20mm dia	Each	21.70	
f	15mm dia	Each	17.00	
VI	Reducer			
a	50mm x 40mm dia	Each	57.20	
b	40mm x 32mm dia	Each	36.70	
c	32mm x 25mm dia	Each	26.60	
d	25mm x 20mm dia	Each	16.10	

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
			"O" Ring Jointing	By pasting
e	20mm x 15mm dia	Each	11.90	
VII	Reducer Elbow			
a	50mm x 40mm dia	Each	111.60	
b	40mm x 32mm dia	Each	76.70	
c	32mm x 25mm dia	Each	55.70	
d	25mm x 20mm dia	Each	36.50	
e	20mm x 15mm dia	Each	30.20	
VIII	Reducer Tee			
a	50mm x 40mm dia	Each	127.70	
b	40mm x 32mm dia	Each	85.20	
c	32mm x 25mm dia	Each	61.70	
d	25mm x 20mm dia	Each	36.70	
e	20mm x 15mm dia	Each	29.30	
IX	Hex Nipple			
a	50mm dia	Each	179.20	
b	40mm dia	Each	119.00	
c	32mm dia	Each	77.80	
d	25mm dia	Each	55.70	
e	20mm dia	Each	29.40	
f	15mm dia	Each	21.30	
413	CPVC Specials			
I	Elbow			
a	50mm dia	Each	350.00	
b	40mm dia	Each	170.00	
c	32mm dia	Each	102.30	
d	25mm dia	Each	48.10	
e	20mm dia	Each	22.80	
f	15mm dia	Each	19.80	

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
			"O" Ring Jointing	By pasting
II	Tee			
a	50mm dia	Each	441.00	
b	40mm dia	Each	234.00	
c	32mm dia	Each	130.70	
d	25mm dia	Each	58.00	
e	20mm dia	Each	37.40	
f	15mm dia	Each	26.60	
III	Bend			
a	25mm dia	Each	44.80	
b	20mm dia	Each	35.80	
c	15mm dia	Each	28.00	
IV	Coupling			
a	50mm dia	Each	240.60	
b	40mm dia	Each	115.30	
c	32mm dia	Each	62.80	
d	25mm dia	Each	31.20	
e	20mm dia	Each	18.20	
f	15mm dia	Each	15.20	
V	Union			
a	50mm dia	Each	635.00	
b	40mm dia	Each	352.00	
c	32mm dia	Each	212.80	
d	25mm dia	Each	132.10	
e	20mm dia	Each	104.70	
f	15mm dia	Each	67.20	
VI	Nipple			
a	50mm dia	Each	420.00	
b	40mm dia	Each	266.50	
c	32mm dia	Each	182.50	

Sl. No.	Description of Materials	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
			"O" Ring Jointing	By pasting
d	25mm dia	Each	116.90	
e	20mm dia	Each	77.10	
f	15mm dia	Each	70.20	
Note:	The Basic Rate adopted under this Head, "Annexure-VI – Rates of Other Construction Materials" is exclusive of all taxes and GST.			


**Engineer-in-Chief (Buildings) &
Chief Engineer (Buildings), PWD,
Chennai Region, Chennai-5.**


13/9/2021.

ANNEXURE-VII

RATES OF ELECTRICAL ITEMS OF WORKS

Note: No extra on cost, conveyance charges shall be allowed for all the items included under this category. The rates approved therein are applicable at site of work.

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	RATES FOR MATERIALS: ELECTRICAL LAMPS, FITTINGS AND CONNECTED ACCESSORIES.		
I	PART "A"		
1	INCANDESCENT BULBS 230V/250V GRADE BC/ES WITH ISI		
a	15 Watts	Each	9.40
b	25 Watts	Each	9.40
c	40 Watts	Each	9.40
d	60 Watts	Each	9.40
e	100 Watts	Each	9.40
f	200 Watts	Each	18.90
2	INCANDESCENT BULB 230V/250V GRADE B.C/E.S		
a	Colour 15 Watts	Each	11.60
b	Blended Lamp 160 Watts	Each	230.30
3	PL LAMP		
a	9 Watts	Each	71.70
b	11 Watts	Each	76.30
c	18 Watts	Each	120.30
d	36 Watts	Each	133.90
4	FLUORESCENT TUBULAR LAMPS WITH ISI MARK		
a	Cool Day Light 2 Ft. 20 Watts	Each	35.90
b	Cool Day Light 4 Ft. 40 Watts	Each	35.90
c	Cool Day Light 4 Ft. 36 Watts	Each	35.10
5	4' 18W Crystal Glass LED Tube Light Fitting	Each	388.00
6	MERCURY VAPOUR DISCHARGE LAMP 230V GRADE 3 PIN BC		
a	80 Watts	Each	165.40
b	125 Watts	Each	173.70
c	250 Watts	Each	424.00
d	400 Watts	Each	597.00

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
7	BOX TYPE SINGLE FLUORESCENT FITTING WITH COPPER CHOKE AND CONDENSOR COMPLETE WITH ISI MARK		
a	4 Ft. 40 Watts with Ballast (Lower End)	Each	306.00
b	4 Ft. 40 Watts with Ballast (Higher End)	Each	450.00
8	BOX TYPE TWIN FLUORESCENT FITTING WITH COPPER CHOKE AND CONDENSOR (HPF) COMPLETE WITH ISI MARK		
a	4 Ft. 40 Watts with Ballast (Lower End)	Each	574.00
b	4 Ft. 40 Watts with Ballast (Higher End)	Each	751.00
9	INDUSTRIAL TYPE FLUORESCENT FITTING STOVE ENAMELLED WITH COPPER CHOKE AND CONDENSOR (HPF) 4' 40 W		
a	Single type suitable for 1 No. Tube	Each	847.00
b	Twin type suitable for 2 Nos. Tube	Each	1040.00
10	DECORATIVE TWIN FLUORESCENT TYPE FITTING WITH COPPER CHOKE & CONDENSOR COMPLETE SUITABLE FOR 2 Nos. FLUORESCENT TUBES		
a	4' 40 W Twin Mirror Optic Recessed Mounting Type Fitting (Lower End)	Each	1460.00
b	4' 40 W Twin Mirror Optic Recessed Mounting Type Fitting (Higher End)	Each	1930.00
c	4' 40 W Twin Mirror Optic Suspension Type Fitting	Each	2632.00
11	SINGLE TYPE STREET LIGHT FLUORESCENT FITTING SUITABLE FOR THE ONE No. FLUORESCENT TUBE WITH COPPER CHOKE & CONDENSOR COMPLETE		
a	4 Ft. 40 Watts Type	Each	642.00
12	TWIN TYPE STREET LIGHT FLUORESCENT FITTING SUITABLE FOR 2 Nos. FLUORESCENT TUBES WITH COPPER CHOKE & CONDENSOR COMPLETE		
a	4 Ft. 40 Watts Type	Each	864.00
13	POST TOP LANTERN FITTING OF INTEGRAL TYPE WITH COPPER CHOKE & CONDENSOR & NECESSARY ACCESSORIES (SPHERICAL / RIBBED / CONICAL ACRYLIC COVER)		
a	Suitable for 125 Watts MV Lamp	Each	3110.00
b	Suitable for 70 Watts SV Lamp	Each	3278.00
c	Post top lantern fitting with SC holder suitable for 160W Blended Lamp / Incandescent Lamp	Each	1790.00

Item No.		Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
	14	CFL STREET LIGHT FITTINGS (COMPACT FLOURESCENT LAMP)		Higher End	Lower End
	a	T5 Street Light (IP65) with EB / 4 x 14W T5	Each	3705.00	2964.00
	b	T5 Street Light (IP65) with EB / 4 x 24W T5	Each	4095.00	3275.00
	c	1 x 9W CFL Street Light	Each	853.00	681.00
	d	1 x 11W CFL Street Light	Each	853.00	681.00
	e	1 x 13W CFL Street Light	Each	858.00	681.00
	f	1 x 18W CFL Street Light	Each	858.00	684.00
	g	2 x 9W CFL Street Light	Each	817.00	653.00
	h	2 x 11W CFL Street Light	Each	998.00	799.00
	i	2 x 13W CFL Street Light	Each	998.00	799.00
	j	2 x 18W CFL Street Light	Each	998.00	799.00
	k	1 x 36 CFL Street Light	Each	1020.00	816.00
	l	45-1 x 45W 4U Retro CFL B22 Street Light	Each	952.00	763.00
	m	CFL - 1 x 85W CFL E27 Street Light	Each	1545.00	1240.00
	n	CFL - 1 x 85W CFL B22 Street Light	Each	1545.00	1240.00
	o	36WFP-LHF(MS) Street Light	Each	1610.00	1287.00
	p	36WFP-LHF(AL) Street Light	Each	1790.00	1428.00
	q	T5 1 x 24W FTL T5 Street Light	Each	1670.00	1335.00
	r	T5 2 x 14W FTL T5 Street Light	Each	1845.00	1480.00
	s	T5 2 x 24W FTL T5 Street Light	Each	1935.00	1549.00
	t	FTL 1 x 36 / 40W FTL Street Light	Each	1340.00	1072.00
	u	FTL 2 x 36 / 40W FTL Street Light	Each	1910.00	1528.00
	15	4 FEET LED FITTING		Higher End	Lower End
	a	18W 4 Feet LED Fitting with LED	Each	754.00	642.00
	b	20W 4 Feet LED Fitting with LED	Each	765.00	749.00
		New Items			
	c	1 x 18W / 22W 4 Feet LED Fitting without LED Tube	Each	299.00	
	d	2 x 22W 4 Feet LED Fitting without LED Tube	Each	348.00	
	e	20W LED Tube Light for T8 Fitting (Single Side)	Each	612.00	

Item No.	Details		Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
f	20W LED Tube Light for T8 Fitting (Double Side)		Each	379.00	
g	18W LED Tube Light for T8 Fitting (Single Side)		Each	603.00	
h	18W LED Tube Light for T8 Fitting (Double Side)		Each	371.00	
i	7W / 9W LED Bulb		Each	134.00	
j	15W LED Bulb		Each	268.00	
16	LED INDOOR FITTINGS (LIGHT EMITTING DIODE)			Higher End	Lower End
a	24W LED 4000K 2 x 2 Square Type Recessed Fitting with LED		Each	3508.00	2487.00
b	18W LED 3000K Square Type Recessed Fitting with LED		Each	1371.00	904.00
c	18W LED 3000K Round Type Recessed Fitting with LED		Each	1246.00	983.00
17	LED OUTDOOR FITTINGS (LIGHT EMITTING DIODE)			Higher End	
a	30W LED Street Light Fitting with LED		Each	2502.00	
b	48W LED Street Light Fitting with LED		Each	4943.00	
c	80W LED Focus Light Fitting with LED		Each	11775.00	
d	120W LED Street Light Fitting with LED		Each	13920.00	
e	150W LED Street Light Fitting with LED		Each	17350.00	
18	LED OUTDOOR FITTINGS (LIGHT EMITTING DIODE)			Lower End	
a	25W LED Street Light Fitting with LED		Each	1182.00	
b	30W LED Street Light Fitting with LED		Each	1838.00	
c	60W LED Street Light Fitting with LED		Each	3633.00	
d	120W LED Street Light Fitting with LED		Each	11780.00	
e	150W LED Street Light Fitting with LED		Each	13920.00	
	New Items				
19	LED FLOOD LIGHT			Higher End	
a	LED Flood Light 100W with Integrated Driver		Each	9375.00	
b	LED Flood Light 120W with Integrated Driver		Each	10265.00	
c	LED Flood Light 150W with Integrated Driver		Each	12940.00	
20	TIMER SWITCHES				
a	24 Hours Analog Timer Switch with Shortest Switching Time 30 Minutes		Each	2282.00	
b	24 Hours Programmable Timer Switch with Shortest Switching Time 15 Minutes		Each	2424.00	

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
c	Digital Weekly Programmable Timer Switch with Shortest Switching Time 1 Minute	Each	2272.00
d	Astronomical Weekly Programmable Timer Switch	Each	2615.00
e	Staircase Light Timer Switch Adjustable Range 5 to 20 Minutes	Each	1201.00
21	63A 3 Phase 4 Pole Contactor		5328.00
22	STARTERS FOR FLUORESCENT TUBES		
a	Starters of capacity 20 Watts	Each	9.40
b	Starters of capacity 40 Watts / 36 Watts	Each	9.40
23	POLYSTER FILLED COPPER CHOKE 250V / 50HZ GRADE SUITABLE FOR		
a	20 Watts Fluorescent Tube	Each	193.00
b	40 Watts Fluorescent Tube	Each	193.00
c	36 / 40W Electronic Ballast for Fluorescent Tube (Higher End)	Each	320.00
d	36 / 40W Electronic Ballast for Fluorescent Tube (Lower End)	Each	261.00
24	CONDENSOR FOR SV / MV LAMP		
a	8 Mfd for 80 Watts Bulb	Each	103.40
b	10 Mfd for 125 Watts Bulb	Each	123.80
c	15 Mfd for 250 Watts Bulb	Each	164.90
d	20 Mfd for 400 Watts Bulb	Each	228.10
25	Battern Type Bakelite Holder for Lamp	Each	16.50
26	Water Tight Bulk Head Fitting suitable for 100 / 60 Watts Lamp with Guard Heavy Type	Each	274.90
27	Ceiling Rose	Each	13.70
28	Ceiling Fixtures 250 / 300mm complete with gallery, etc. Clear Glass Opac / Crystal suitable for 40 / 60 Watts Bulb	Each	162.40
29	Ceiling Luminaire with Mirror Optics suitable for 2 Nos. 9 Watts / 11 Watts	Each	1029.00
	(For Items 7 to 14, 27 & 28 the rates are exclusive of cost of Tubes and Lamps)		
30	Fan Clamp (Dia 12mm) with 6mm MS Side Plates & 45cm Cross Arm	Each	109.80
31	CALL BELLS		
a	Call Bell / Buzzer 6mm suitable for AC / DC	Each	41.30

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
b	Push Bell	Each	16.50
c	Gong Bell 9" size suitable for 250V	Each	413.00
d	Gong Bell 12" size suitable for 250V	Each	597.00
32	WATER HEATER WITH ISI MARK		
a	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 25 Litres capacity 230V / 1000W (Higher End)	Each	7716.00
b	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 25 Litres capacity 230V / 1000W (Lower End)	Each	5713.00
c	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 35 Litres capacity 230V / 1000W (Higher End)	Each	8861.00
d	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 35 Litres capacity 230V / 1000W (Lower End)	Each	6618.00
II	PART "B"		
1	FANS - CONFORMING TO ISS		
a	AC Ceiling Fan complete 1200 mm (48") Sweep with 300mm Down Rod (without Regulator)	Each	1265.00
b	AC Ceiling Fan Complete 1400 mm (56") Sweep with 300mm Down Rod (without Regulator)	Each	1357.00
c	Stepped Electronic 300W / 450W Square Type Fan Regulator	Each	215.40
d	Dimmer Type Electronic 300W / 450W Square Type Fan Regulator	Each	172.20
e	AC Ceiling Fan complete 1200mm (48") Sweep with 300mm Down Rod (without Regulator) (Higher End)	Each	1435.00
f	AC Ceiling Fan complete 1400mm (56") Sweep with 300mm Down Rod (without Regulator) (Lower End)	Each	1548.00
2	EXHAUST FANS		
a	AC Exhaust Fan 225mm (9") Sweep (Light Duty)	Each	1172.00
b	AC Exhaust Fan 300mm (12") Sweep (Light Duty)	Each	1340.00
c	AC Exhaust Fan 375mm (15") Sweep (Light Duty)	Each	1382.00
d	AC Exhaust Fan 450mm (18") Sweep (Light Duty)	Each	1945.00

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
	New Item			
e	AC Exhaust Fan 300mm (12") Sweep (Heavy Duty)	Each	2000.00	
f	AC Exhaust Fan 375mm (15") Sweep (Heavy Duty)	Each	2554.00	
g	AC Exhaust Fan 450mm (18") Sweep (Heavy Duty)	Each	3176.00	
3	LOUVER SHUTTERS ARRANGEMENTS			
a	MS / Fibre Louvers Shutters arrangements for 300mm AC Exhaust Fan	Each	220.70	
b	MS / Fibre Louvers Shutters arrangements for 375mm AC Exhaust Fan	Each	233.90	
c	MS / Fibre Louvers Shutters arrangements for 450mm AC Exhaust Fan	Each	261.70	
4	CEILING FAN		Higher End	Lower End
a	48" Ceiling Fan 5 Star Rated (without Regulator)	Each	1617.00	1438.00
b	48" Ceiling Fan High Speed (without Regulator)	Each	1608.00	
	New Item			
c	56" Ceiling Fan High Speed (without Regulator)	Each	2313.00	
d	BEE Energy efficient 1200mm sweep ceiling fan 5 star rated, inverter driven controlled by microprocessor with 300mm down rod with regulator/ remote control (35 W)	Each	2908.00	
	New Items			
5	WALL MOUNTING FAN			
a	300mm Sweep	Each	2400.00	
b	400mm Sweep	Each	2520.00	
c	450mm Sweep	Each	4125.00	
6	DIMMER AND REGULATOR		Higher End	Lower End
a	Fan Step Regulator 100W - 1 Module	Each	338.00	243.00
b	Fan Step Regulator 100W - 2 Module	Each	385.00	277.00
III	PART "C"			
1	SWITCHES			
a	5 Amps (Flush Type)	Dozen	192.60	
b	5 Amps (Flush Type Staircase)	Dozen	239.00	

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
2	DOUBLE POLE SWITCHES		
a	16 Amps DP Switch with Metal Clad (Front Handle)	Each	413.00
b	32 Amps DP Switch with Metal Clad (Front Handle)	Each	847.00
c	16 Amps DP Switch with Metal Clad (Side Handle)	Each	341.00
d	32 Amps DP Switch with Metal Clad (Side Handle)	Each	768.00
3	TRIPLE POLE SWITCHES (SIDE HANDLE)		
a	100 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	5812.00
b	125 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	6373.00
c	200 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	8238.00
d	315 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	11685.00
e	400 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	15040.00
f	16 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	881.00
g	32 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	1302.00
h	63 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	2838.00
i	100 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	5588.00
j	200 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	8484.00
4	SWITCH DISCONNECTOR FUSE UNITS IN SHEET STEEL ENCLOSURE (SDF)		
a	63A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	3590.00
b	100A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	6038.00
c	125A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	7129.00
d	200A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	8955.00
e	250A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	11165.00
f	315A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	13390.00

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
g	400A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	15360.00
5	SWITCH DISCONNECTOR FUSE UNITS IN OPEN EXECUTION (INTERIOR FOR CUBICAL)		
a	63A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	2372.00
b	100A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	4314.00
c	125A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	5885.00
d	200A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	7594.00
e	250A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	9894.00
f	315A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	12445.00
g	400A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	14678.00
6	FUSE UNITS		
a	16 Amps Porcelain Fuse Unit (500V)	Each	47.60
b	32 Amps Porcelain Fuse Unit (500V)	Each	84.40
c	63 Amps Porcelain Fuse Unit (500V)	Each	188.40
d	100Amps Porcelain Fuse Unit (500V)	Each	340.30
e	200 Amps Porcelain Fuse Unit (500V)	Each	550.00
7	SINGLE PHASE DBS		
a	4 Way DB 16 Amps / Way with Fuse & Neutral each (250V)	Each	458.00
b	6 Way DB 16 Amps / Way with Fuse & Neutral each (250V)	Each	625.00
c	8 Way DB 16 Amps / Way with Fuse & Neutral each (250V)	Each	773.00
8	THREE PHASE DBS		
a	4 Way TPDB 16A / Way with Fuse & Neutral Link	Each	1809.00
b	6 Way TPDB 16A / Way with Fuse & Neutral Link	Each	2478.00
c	8 Way TPDB 16A / Way with Fuse & Neutral Link	Each	2998.00
d	4 Way TPDB 32A / Way with Fuse & Neutral Link	Each	2289.00
e	6 Way TPDB 32A / Way with Fuse & Neutral Link	Each	3063.00
f	8 Way TPDB 32A / Way with Fuse & Neutral Link	Each	3874.00

Item No.	Details		Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
	g	4 Way TPDB 63A / Way with Fuse & Neutral Link	Each	5358.00	
	h	6 Way TPDB 63A / Way with Fuse & Neutral Link	Each	6892.00	
	9	CHANGE OVER SWITCHES			
	a	16 Amps Three Phase 500V 4 Pole Change Over Switch	Each	1246.00	
	b	32 Amps Three Phase 500V 4 Pole Change Over Switch	Each	1476.00	
	c	63 Amps Three Phase 500V 4 Pole Change Over Switch	Each	3225.00	
	d	100 Amps Three Phase 500V 4 Pole Change Over Switch	Each	5127.00	
		New Item			
	e	125A 4 Pole Change Over Switch	Each	8850.00	
	f	200 Amps Three Phase 500V 4 Pole Change Over Switch	Each	9647.00	
	g	250 Amps Three Phase 4 Pole Change Over Switch	Each	20410.00	
	h	400 Amps 3 Three Phase 4 Pole Change Over Switch	Each	31190.00	
	10	MODULAR SWITCHES		Higher End	Lower End
	A	Switches 6A - 230V			
	a	6A Switch 1W - 1 Module	Each	77.40	57.00
	b	6A Switch 2W - 1 Module	Each	94.60	67.20
	c	6A Switch 1W - 1 Module with Indicator	Each	104.00	74.20
	d	6A Switch 1W - 1 Module with 'Light' Marking	Each	83.50	59.50
	e	6A Switch 1W - 1 Module with 'Fan' Marking	Each	83.50	59.50
	B	Switches 16A - 230V			
	a	16A Switch 1W - 1 Module	Each	116.80	83.50
	b	16A Switch 2W - 1 Module	Each	144.20	104.00
	c	16A Switch 1W with Indicator - 1 Module	Each	137.30	98.90
	C	Switches 20A - 230V			
	a	20A 1W Switch - 1 Module	Each	151.80	109.10
	b	20A DP 1W Switch - 2 Module	Each	253.40	181.00
	c	20A DP 1W Switch with Indicator - 2 Module	Each	267.00	192.60
	D	Switches 25A - 230V			
	a	25A SP 1W Switch with Indicator - 1 Module	Each	165.20	119.20

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
E	Switches 32A - 230V			
a	32A DP Switch with Indicator - 2 Module	Each	322.00	233.50
11	PUSH BUTTONS			
a	6A Push Button SP - 1 Module	Each	104.70	75.80
b	6A Push Button SP with Indicator - 1 Module	Each	136.10	98.00
c	6A Bell Push - 1 Module	Each	104.00	74.20
d	6A Bell push with Indicator - 1 Module	Each	128.70	92.10
e	6A Bell Push - 2 Module	Each	136.00	98.00
f	6A Bell Push with Indicator - 2 Module	Each	160.00	115.10
12	MOTOR STARTER			
a	25A Motor Starter - 2 Module	Each	298.80	215.10
13	FLUSH MOUNTING BOXES (GI)			
a	Flush Box - 1/2 Module	Each	38.00	27.50
b	Flush Box - 3 Module	Each	44.60	32.40
c	Flush Box - 4 Module	Each	54.40	38.90
d	Flush Box - 6 Module	Each	85.30	61.70
e	Flush Box - 8 Module	Each	104.70	75.50
f	Flush Box - 8 Module (2 row x 4)	Each	105.50	76.30
g	Flush Box - 12/16 (2 row x 6) Module Metal Box	Each	141.40	101.60
h	Flush Box - 18 Module Metal Box	Each	160.80	115.40
14	SURFACE MOUNTING BOXES (PLASTIC)			
a	Surface Box - 1/2 Module	Each	42.60	30.30
b	Surface Box - 3 Module	Each	45.00	32.70
c	Surface Box - 4 Module	Each	58.10	41.70
d	Surface Box - 6 Module	Each	75.40	54.90
e	Surface Box - 8 Module	Each	91.90	66.40
f	Surface Box - 8 (2 row x 4) Module	Each	106.60	77.00
g	Metal Surface Box - 12/16 (2 row x 6) Module	Each	161.60	116.10
h	Metal Surface Box - 18 Module	Each	206.00	147.70
15	COMBINED PLATES (PLASTIC)			
a	1 Module Cover Plate	Each	63.10	45.80

Item No.		Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
	b	2 Module Cover Plate	Each	66.40	47.40
	c	3 Module Cover Plate	Each	80.30	57.20
	d	4 Module Cover Plate	Each	89.30	63.90
	e	6 Module Cover Plate	Each	125.50	90.10
	f	8 Module Cover Plate	Each	159.90	114.80
	g	8 Module Cover Plate (H)	Each	160.70	136.00
	h	12 Module Cover Plate	Each	200.20	144.50
	i	18 Module Cover Plate	Each	252.90	181.30
	16	COMBINED PLATES (ALUMINIUM)			
	a	1 Module Cover Plate	Each	133.80	96.30
	b	2 Module Cover Plate	Each	140.70	98.30
	c	3 Module Cover Plate	Each	152.60	110.00
	d	4 Module Cover Plate	Each	172.30	123.60
	e	6 Module Cover Plate	Each	292.80	211.60
	f	8 Module Cover Plate	Each	323.40	233.90
	g	8 Module Cover Plate (H)	Each	411.30	296.00
	h	12 Module Cover Plate	Each	534.40	385.30
	i	18 Module Cover Plate	Each	704.50	507.00
	17	SOCKET - 230V		Higher End	Lower End
	a	16A 3 Pin Switched Socket - 3 Module	Each	383.80	277.20
	b	6A 5 pin Universal Socket - 2 Module	Each	119.20	86.60
	c	6/16A Socket - 3 Module	Each	216.10	155.90
	d	6/16A Socket - 2 Module	Each	183.50	131.50
IV		PART "D"			
	1	PLUG AND SOCKETS			
	a	5 Amps 3 Pin & 2 Pin Combined Flush Type Wall Socket only	Each	23.90	
	b	5 Amps / 15 Amps 3 Pin Flush Type Wall Socket only	Each	54.00	
	c	5 Amps 3 Pin Top	Each	33.90	
	d	15 Amps 3 Pin Top	Each	48.00	
	e	15 Amps Flush Type Switch	Each	56.00	

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
f	10 Amps MC Plug with 3 Pin Top	Each	179.00
g	20 Amps MC Plug with 3 Pin Top	Each	204.00
h	25A Flush type Wall Socket with 25A DP MCB for AC Plug	Each	803.00
2	SINGLE PHASE WATT HOUR METERS		
a	AC Single Phase 230V / 250V, 50HZ 5 Amps Watt Hour Meter	Each	954.00
b	AC Single Phase 230V / 250V, 50HZ 10 Amps Watt Hour Meter.	Each	954.00
c	AC Single Phase 230V / 250V, 50HZ 20 Amps Watt Hour Meter	Each	954.00
3	THREE PHASE WATT HOUR METERS		
a	AC 3 Phase 400V 50HZ unbalanced load 4 Wire 10 Amps Watt Hour Meter	Each	1968.00
b	AC 3 Phase 400V 50HZ unbalanced load 4 Wire 25 Amps Watt Hour Meter	Each	1968.00
c	AC 3 Phase 400V 50HZ unbalanced load 4 Wire 50 Amps Watt Hour Meter	Each	2492.00
V	PART "E"		
1	SERVICE CONNECTION ACCESSORIES L.T. 1100V PVC ALUMINIUM ARMoured UNDER GROUND CABLE WITH ISI MARK		
a	2 core 6 sq.mm. PVC Armoured UG Cable	Metre	90.70
b	2 core 10 sq.mm. PVC Armoured UG Cable	Metre	110.40
c	2 core 16 sq.mm. PVC Armoured UG Cable	Metre	119.90
d	2 core 25 sq.mm. PVC Armoured UG Cable	Metre	136.10
e	3 ¹ / ₂ core 25 sq.mm. PVC Armoured UG Cable	Metre	205.20
f	3 ¹ / ₂ core 35 sq.mm. PVC Armoured UG Cable	Metre	241.60
g	3 ¹ / ₂ core 50 sq.mm. PVC Armoured UG Cable	Metre	314.70
h	3 ¹ / ₂ core 70 sq.mm. PVC Armoured UG Cable	Metre	403.70
i	3 ¹ / ₂ core 95 sq.mm. PVC Armoured UG Cable	Metre	522.50
j	3 ¹ / ₂ core 120 sq.mm. PVC Armoured UG Cable	Metre	638.30
k	3 ¹ / ₂ core 150 sq.mm. PVC Armoured UG Cable	Metre	756.00
l	3 ¹ / ₂ core 185 sq.mm. PVC Armoured UG Cable	Metre	922.90
m	3 ¹ / ₂ core 240 sq.mm. PVC Armoured UG Cable	Metre	1170.00

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
n	3 ¹ / ₂ core 300 sq.mm. PVC Armoured UG Cable	Metre	1436.00
o	3 ¹ / ₂ core 400 sq.mm. PVC Armoured UG Cable	Metre	1831.00
p	4 core 6 sq.mm. PVC Armoured UG Cable	Metre	117.50
q	4 core 10 sq.mm. PVC Armoured UG Cable	Metre	128.80
r	4 core 16 sq.mm. PVC Armoured UG Cable	Metre	169.70
2	PVC INSULATED SINGLE CORE MULTI STRAND FIRE RETARDANT FLEXIBLE COPPER CABLE WITH ISI MARK CONFORMING TO IS		
a	14 / 0.3 (1.0 sq.mm.)	Metre	9.80
b	22 / 0.3 (1.5 sq.mm.)	Metre	15.50
c	36 / 0.3 (2.5 sq.mm.)	Metre	24.10
d	56 / 0.3 (4 sq.mm.)	Metre	38.30
e	84 / 0.3 (6 sq.mm.)	Metre	56.70
f	140 / 0.3 (10 sq.mm.)	Metre	85.30
g	101 / 0.45 (16 sq.mm.)	Metre	139.50
h	168 / 0.45 (25 sq.mm.)	Metre	306.40
3	CONDUCTOR		
a	Hard Drawn Copper Conductor (Gauge No. 8&6)	KG	575.00
b	14 SWG TC Wiire	KG	589.00
c	GI No.8 Wire and No.6 Wire	KG	94.90
4	CABLE GLANDS		
a	Cable Gland suitable for 2 core 4 sq.mm. UG Cable	Each	18.15
b	Cable Gland suitable for 2 core 6 sq.mm. UG Cable	Each	22.70
c	Cable Gland suitable for 2 core 10 sq.mm. UG Cable	Each	27.15
d	Cable Gland suitable for 2 core 16 sq.mm. UG Cable	Each	40.20
e	Cable Gland suitable for 2 core 25 sq.mm. UG Cable	Each	48.00
f	Cable Gland suitable for 3 ¹ / ₂ core 25 sq.mm. UG Cable	Each	48.00
g	Cable Gland suitable for 3 ¹ / ₂ core 35 sq.mm. UG Cable	Each	61.10
h	Cable Gland suitable for 3 ¹ / ₂ core 50 sq.mm. UG Cable	Each	61.10
I	Cable Gland suitable for 3 ¹ / ₂ core 70 sq.mm. UG Cable	Each	75.35
j	Cable Gland suitable for 3 ¹ / ₂ core 95 sq.mm. UG Cable	Each	92.00
k	Cable Gland suitable for 3 ¹ / ₂ core 120 sq.mm. UG Cable	Each	117.15

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
l	Cable Gland suitable for 3 ¹ / ₂ core 150 sq.mm. UG Cable	Each	154.20
m	Cable Gland suitable for 3 ¹ / ₂ core 185 sq.mm. UG Cable	Each	182.40
n	Cable Gland suitable for 3 ¹ / ₂ core 240 sq.mm. UG Cable	Each	182.40
o	Cable Gland suitable for 3 ¹ / ₂ core 300 sq.mm. UG Cable	Each	217.80
p	Cable Gland suitable for 3 ¹ / ₂ core 400 sq.mm. UG Cable	Each	309.90
q	Cable Gland suitable for 3 ¹ / ₂ core 500 sq.mm. UG Cable	Each	361.30
r	Cable Gland suitable for 4 core 6 sq.mm. UG Cable	Each	22.70
s	Cable Gland suitable for 4 core 10 sq.mm. UG Cable	Each	27.15
t	Cable Gland suitable for 4 core 25 sq.mm. UG Cable	Each	48.00
5	FUSE WIRE (COPPER)		
a	5 Amps Fuse Wire	KG	575.00
b	10 Amps Fuse Wire	KG	575.00
c	20 Amps Fuse Wire	KG	575.00
6	NEUTRAL LINK 15 AMPS		
a	4 Way Neutral Link	Each	28.50
b	6 Way Neutral Link	Each	42.20
c	8 Way Neutral Link	Each	52.60
d	12 Way Neutral Link	Each	76.50
VI	PART "F"		
1	MS BOX WITH PAINTING (16 SWG)		
a	MS Box of size 100 x 100 x 75 mm	Each	45.60
b	MS Box of size 150 x 100 x 75 mm	Each	63.10
c	MS Box of size 200 x 150 x 75 mm	Each	102.70
d	MS Box complete with Lock & Key arrangements with painting of size 300 x 200 x 100mm	Each	310.50
2	Synthetic Moulded Compound Box for Street Light	Each	845.00
VII	PART "G"		
1	MS ANGLES		
a	1 ¹ / ₂ "x1 ¹ / ₂ "x ¹ / ₄ " (37.5 x 37.5 x 6.24mm) (1M=3.25 kg)	KG	51.40
b	1 ¹ / ₂ " x 1 ¹ / ₂ " x ¹ / ₂ " (37.5 x 37.5 x 12.5mm)	KG	51.40
c	2" x 2" x ¹ / ₂ " (50 x 50 x 12.5mm)	KG	51.40

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
2	ALUMINIUM FLAT		
a	Aluminium Flat (1" x 1/4") (25 x 6.25mm)	KG	163.50
b	Aluminium Flat (1" x 1/8")	KG	163.50
3	COPPER FLAT		
a	Copper Flat (25 x 3mm)	KG	526.00
b	Copper Flat (25 x 6mm)	KG	526.00
c	Copper Flat (33 x 6mm)	KG	526.00
d	Copper Flat (50 x 6mm)	KG	526.00
4	POWER CAPACITOR		
a	Power capacitor for power factor improvement with oil filled with discharge resistance 3 phase 415 / 440V 50 HZ conforming to ISS with ISI marking	KVAR	315.00
	New Item		
5	Plate Earthing	Each	11090.00
VIII	PART "H"		
1	CONDUIT MATERIALS 16 GAUGE		
a	Conduit Pipe 16mm (5/8") Heavy Gauge	Metre	31.20
b	Conduit Pipe 19mm (3/4") Heavy Gauge	Metre	32.30
c	Conduit Pipe 25mm (1") Heavy Gauge	Metre	39.70
d	Conduit Pipe 32mm (1 1/4") Heavy Gauge	Metre	52.20
e	Conduit Pipe 38mm (1 1/2") Heavy Gauge	Metre	61.50
2	CONDUIT TEE BENDS		
a	Conduit Tee Bend 16mm (5/8")	Dozen	87.70
b	Conduit Tee Bend 19mm (3/4")	Dozen	88.60
c	Conduit Tee Bend 25mm (1")	Dozen	106.40
d	Conduit Tee Bend 32mm (1 1/4")	Dozen	110.10
e	Conduit Tee Bend 38mm (1 1/2")	Dozen	137.30
f	Conduit Tee Bend 50mm (2")	Dozen	171.50
3	CONDUIT BENDS - 16 GAUGE		
a	Conduit Solid Bend 16mm (5/8")	Dozen	83.00
b	Conduit Solid Bend 19mm (3/4")	Dozen	92.40

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
c	Conduit Solid Bend 25mm (1")	Dozen	109.20
d	Conduit Solid Bend 32mm (1 ¹ / ₄ ")	Dozen	129.00
e	Conduit Solid Bend 38mm (1 ¹ / ₂ ")	Dozen	183.00
f	Conduit Solid Bend 50mm (2")	Dozen	224.00
4	CONDUIT INSPECTION BEND-16 GAUGE		
a	Conduit Inspection Bend 16mm (5/8")	Dozen	83.00
b	Conduit Inspection Bend 19mm (3/4")	Dozen	85.90
c	Conduit Inspection Bend 25mm (1")	Dozen	110.10
d	Conduit Inspection Bend 32mm (1 ¹ / ₄ ")	Dozen	132.70
e	Conduit Inspection Bend 38mm (1 ¹ / ₂ ")	Dozen	171.80
f	Conduit Inspection Bend 50mm (2")	Dozen	195.20
g	Conduit Inspection Bend 65mm (2 ¹ / ₂ ")	Dozen	251.30
5	HDPE PIPE		
a	HDPE Pipe 50mm / 38mm	RM	102.00
b	HDPE Pipe 90mm / 76mm	RM	210.00
c	HDPE Pipe 120mm / 103.50mm	RM	262.00
6	CABLE TRAY		
a	GI Hot Dip / Powder Coated 16 SWG Cable Tray with 150mm width and 50mm height	RM	325.00
b	GI Hot Dip / Powder Coated 16 SWG Cable Tray with 300mm width and 50mm height	RM	396.00
IX	PART "I"		
1	PVC (RIGID) PIPES (1.8MM THICK) WITH ISI		
a	PVC Rigid Pipe 16mm (5/8")	Metre	13.10
b	PVC Rigid Pipe 20mm (3/4")	Metre	19.10
c	PVC Rigid Pipe 25mm (1")	Metre	28.40
d	PVC Rigid Pipe 32mm (1 ¹ / ₄ ")	Metre	43.00
e	PVC Rigid Pipe 40mm (1 ¹ / ₂ ")	Metre	61.40
f	PVC Rigid Pipe 50mm (2")	Metre	92.00
2	PVC RIGID BENDS		
a	PVC Rigid Bend 16mm (5/8")	Each	3.00
b	PVC Rigid Bend 20mm (3/4")	Each	3.00

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c	PVC Rigid Bend 25mm (1")	Each	4.10
d	PVC Rigid Bend 32mm (1 ¹ / ₄ ")	Each	7.30
e	PVC Rigid Bend 40mm (1 ¹ / ₂ ")	Each	18.40
f	PVC Rigid Bend 50mm (2")	Each	22.50
3	PVC COUPLES		
a	PVC Couples 16mm (5/8")	Dozen	13.20
b	PVC Couples 19mm (3/4")	Dozen	13.20
c	PVC Couples 25mm (1")	Dozen	25.70
d	PVC Couples 32mm (1 ¹ / ₄ ")	Dozen	58.90
e	PVC Couples 38mm (1 ¹ / ₂ ")	Dozen	126.20
f	PVC Couples 50mm (2")	Dozen	131.80
4	PVC TEES		
a	PVC Tee 16mm (5/8")	Dozen	13.20
b	PVC Tee 19mm (3/4")	Dozen	15.30
c	PVC Tee 25mm (1")	Dozen	19.60
d	PVC Tee 32mm (1 ¹ / ₄ ")	Dozen	87.90
e	PVC Tee 38mm (1 ¹ / ₂ ")	Dozen	282.20
f	PVC Tee 50mm (2")	Dozen	309.00
5	PVC SADDLES		
a	PVC Saddles 16mm (5/8")	Dozen	3.00
b	PVC Saddles 19mm (3/4")	Dozen	3.45
c	PVC Saddles 25mm (1")	Dozen	4.00
d	PVC Saddles 32mm (1 ¹ / ₄ ")	Dozen	5.00
e	PVC Saddles 38mm (1 ¹ / ₂ ")	Dozen	6.15
f	PVC Saddles 50mm (2")	Dozen	12.30
6	PVC JUNCTION BOXES		
a	Junction Boxes 1, 2, 3 & 4 way 16mm (5/8")	Dozen	41.20
b	Junction Boxes 1, 2, 3 & 4 way 19mm (3/4")	Dozen	41.20
c	Junction Boxes 1, 2, 3 & 4 way 25mm (1")	Dozen	48.50
d	Junction Boxes 1, 2, 3 & 4 way 32mm (1 ¹ / ₄ ")	Dozen	107.70
e	Junction Boxes 1, 2, 3 & 4 way 38mm (1 ¹ / ₂ ")	Dozen	128.00

Item No.	Details		Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
7	PVC HYLEM SHEETS				
a	Hylem Sheet 3mm Thick		Sq.m	630.00	
8	INSULATION TAPE PVC				
a	PVC Insulation Tape (19mm)		Roll / 10 mtr.	15.30	
b	Empire Tape (12mm)		Roll / 10 mtr.	20.60	
c	Empire Tape (19mm)		Roll / 10 mtr.	24.70	
	New Items				
9	CABLE MANAGEMENT SYSTEM				
a	Cable Management Box with Cover				
i	50mm x 80mm		Mtr.	945.00	
ii	150mm x 105mm		Mtr.	1200.00	
b	Divider		Each	205.00	
c	Cover Joint		Each	115.00	
d	End Cap		Each	190.00	
e	Joint for Top Part		Each	215.00	
f	Joint for Bottom Part		Each	260.00	
X	PART "J"				
	TEAK WOOD MATERIALS				
1	TW BOX CONCEALED TYPE				
a	TW Box Concealed Type 12" x 8" x 3"		Each	69.90	
b	TW Box Concealed Type 8" x 6" x 3"		Each	37.10	
c	TW Box Concealed Type 6" x 4" x 3"		Each	16.50	
d	TW Box Concealed Type 4" x 4" x 3"		Each	13.80	
e	TW Plugs 1 ¹ / ₂ " x 1" x 2"		1000 Nos.	287.00	
f	TW Round blocks		100 Nos.	558.00	
XI	PART "K"				
1	CRIMPING LUGS SUITABLE FOR THE FOLLOWING SIZES				
	Size			Aluminium	Copper
a	4.0 sq.mm.		Each	1.34	4.47
b	6.0 sq.mm.		Each	1.50	4.47

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	c	10.0 sq.mm.	Each	1.93	5.60
	d	16.0 sq.mm.	Each	1.93	6.75
	e	25.0 sq.mm.	Each	2.94	11.30
	f	35.0 sq.mm.	Each	3.89	12.45
	g	50.0 sq.mm.	Each	5.80	14.70
	h	70.0 sq.mm.	Each	7.70	23.90
	i	95.0 sq.mm.	Each	8.80	29.60
	j	120.0 sq.mm.	Each	11.80	41.00
	k	150.0 sq.mm.	Each	15.70	52.40
	l	185.0 sq.mm.	Each	20.50	79.80
	m	225.0 sq.mm.	Each	30.50	113.90
	n	240.0 sq.mm.	Each	33.40	113.90
	o	300.0 sq.mm.	Each	46.30	153.70
	p	400.0 sq.mm.	Each	69.10	233.60
	2	CABLE ROUTE INDICATOR			
	a	Cable Route Indicator for LT Cable	Each Box	76.10	
	b	Cable Route Indicator for HT Cable	Each Box	76.10	
XII		PART "L"			
	1	BRASS SCREWS			
	a	Brass Screws (20mm) 3/4" No.6	Gross	59.60	
	b	Brass Screws (25mm) 1" No.6	Gross	64.30	
	c	Brass Screws (40mm) 1½" No.6	Gross	68.80	
	d	Brass Screws (20mm) 3/4" No.8	Gross	59.60	
	e	Brass Screws (25mm) 1" No.8	Gross	64.30	
	f	Brass Screws (50mm) 2" No.10	Gross	133.00	
	g	Brass Screws (75mm) 3" No.10	Gross	196.80	
	2	Coach Screws 2" x 1/4" (50 x 6.25mm)	Dozen	11.80	
	3	CONDUIT SADDLES			
	a	Conduit Saddles 16mm (5/8")	Gross	36.60	
	b	Conduit Saddles 19mm (3/4")	Gross	39.00	

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	c	Conduit Saddles 25mm (1")	Gross	45.80	
	d	Conduit Saddles 32mm (1 ¹ / ₄ ")	Gross	59.60	
	e	Conduit Saddles 38mm (1 ¹ / ₂ ")	Gross	73.20	
	f	Conduit Saddles 50mm (2")	Gross	82.70	
	g	Conduit Saddles 65mm (2 ¹ / ₂ ")	Gross	94.20	
	4	SODIUM VAPOUR FITTINGS & LAMP (FOR EXTERNAL ELECTRIFICATION AND CAMPUS LIGHTING) (LOWER END)			
	a	250 Watts Sodium Vapour Fittings	Each	3025.00	
	b	250 Watts Sodium Vapour Lamp	Each	668.00	
	c	150 Watts Sodium Vapour Fittings	Each	2983.00	
	d	150 Watts Sodium Vapour Lamp	Each	572.00	
	e	70 Watts Sodium Vapour Fittings	Each	2405.00	
	f	70 Watts Sodium Vapour Lamp	Each	380.00	
	5	SODIUM VAPOUR LAMP FITTING SINGLE PIECE DIE CAST ALUMINIUM HOUSING AND LAMP FOR HEAVY TRAFFIC ROADS (HIGHER END)			
	a	400 Watts Sodium Vapour Fittings	Each	9045.00	
	b	400 Watts Sodium Vapour Lamp	Each	938.00	
	c	250 Watts Sodium Vapour Fittings	Each	6170.00	
	d	250 Watts Sodium Vapour Lamp	Each	758.00	
	e	150 Watts Sodium Vapour Fittings	Each	5790.00	
	f	150 Watts Sodium Vapour Lamp	Each	623.00	
	g	70 Watts Sodium Vapour Fittings	Each	2475.00	
	h	70 Watts Sodium Vapour Lamp	Each	429.00	
	6	MINIATURE CIRCUIT BREAKERS 240 V / 415V 50HZ - AC SUPPLY SUITABLE FOR BOTH LIGHTING AND MOTOR CIRCUITS		Higher End	Lower End
	a	Single Pole 6A to 32A, 10KA	Each	173.00	127.00
	b	Single Pole 40A, 10KA	Each	357.00	265.00
	c	Single Pole & Neutral 6A to 32A, 10KA	Each	511.00	385.00
	d	Single Pole & Neutral 40A, 10KA	Each	829.00	535.00
	e	Double Pole 6A to 32A, 10KA	Each	511.00	424.00
	f	Double Pole 40A, 10KA	Each	829.00	581.00

Item No.		Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
	g	Triple Pole 6A to 32A,10KA	Each	822.00	641.00
	h	Triple Pole 63A,10KA	Each	1250.00	1020.00
	i	Triple Pole & Neutral 6A to 32A,10KA	Each	1082.00	835.00
	j	Triple Pole & Neutral 63A, 10KA	Each	1617.00	1287.00
	k	Four Pole 6 A to 32A, 10KA	Each	1082.00	894.00
	l	Four Pole 63A, 10KA	Each	1617.00	1370.00
	7	New Items			
		MCB			
	a	100A Triple Pole MCB	Each	6920.00	
	b	125A Triple Pole MCB	Each	7680.00	
	c	100A Four Pole MCB	Each	8830.00	
	d	125A Four Pole MCB	Each	9990.00	
	8	PLUG AND SOCKETS IN SHEET STEEL ENCLOSURE WITHOUT MCBs		Higher End	Lower End
	a	10A Single Pole	Each	846.00	500.00
	b	20A Single Pole	Each	903.00	507.00
	c	20A Double Pole	Each	978.00	--
	d	20A Triple Pole	Each	1659.00	962.00
	e	32A Triple Pole	Each	1979.00	1302.00
	f	63A Triple Pole	Each	8065.00	--
	9	SHEET STEEL ENCLOSURE FOR MCB's		Higher End	Lower End
	a	2 Pole	Each	374.00	260.00
	b	4 pole	Each	549.00	319.00
	10	RCCB / ELCB			
	a	10 Amps 30 MA DP	Each	2387.00	1754.00
	b	25 Amps 30 MA DP	Each	1968.00	1505.00
	c	40 Amps 30 MA DP	Each	2178.00	1591.00
	11	RCCB / ELCB (FOUR POLE)			
	a	25 Amps 30 MA	Each	2710.00	1858.00
	b	40 Amps 30 MA	Each	2743.00	1900.00
	c	63 Amps 30 MA	Each	3173.00	2157.00

Item No.		Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
	12	HRC - FUSES			
	a	16 Amps	Each	61.10	29.80
	b	32 Amps	Each	63.40	50.00
	c	63 Amps	Each	130.80	63.00
	d	125 Amps	Each	305.00	139.70
	e	160 Amps	Each	380.00	188.40
	f	200 Amps	Each	392.00	188.40
	g	250 Amps	Each	546.00	278.40
	13	MCB ISOLATORS		Higher End	Lower End
	a	32A - DP	Each	268.20	--
	b	32A - TP	Each	448.00	--
	c	32A - FP	Each	513.00	--
	d	40A - DP	Each	370.00	256.00
	e	40A - TP	Each	642.00	471.00
	f	40A - FP	Each	826.00	575.00
	g	63A - DP	Each	496.00	326.00
	h	63A - TP	Each	848.00	514.00
	i	63A - FP	Each	903.00	600.00
	j	100A - DP	Each	--	421.00
	k	100A - TP	Each	932.00	669.00
	l	100A - FP	Each	952.00	732.00
	14	MCCB			
		New Items			
	a	63A / 100A 3 Pole MCCB	Each	6195.00	
		Rotary Handle	Each	885.00	
		Spreader Terminal	Each	235.00	
	b	160A 3 Pole MCCB	Each	11760.00	
		Rotary Handle	Each	1500.00	
		Spreader Terminal	Each	1130.00	
	c	125A 3 Pole MCCB	Each	8660.00	

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
d	250A 3 Pole MCCB	Each	17850.00
	Spreader Terminal for 250A/125A	Each	1138.00
	Rotary Handle for 250A/125A	Each	1405.00
e	400A 3 Pole MCCB	Each	23550.00
	400A Spreader Terminal	Each	1959.00
f	630A 3 Pole MCCB	Each	28840.00
	630A Spreader Terminal	Each	3300.00
	Rotary Handle for 400A/ 630A	Each	2294.00
	New Items		
g	63A / 100A 4 Pole MCCB	Each	8600.00
	Rotary Handle	Each	885.00
	Spreader Terminal	Each	400.00
h	125A 4 Pole MCCB	Each	9265.00
	Rotary Handle	Each	885.00
	Spreader Terminal	Each	400.00
i	160A 4 Pole MCCB	Each	13980.00
	Rotary Handle	Each	1500.00
	Spreader Terminal	Each	1490.00
j	250A 4 Pole MCCB	Each	21810.00
	250A Spreader Terminal	Each	1380.00
k	400A 4 Pole MCCB	Each	29415.00
	400A Spreader Terminal	Each	2814.00
	New Items		
15	AIR CIRCUIT BREAKER		
a	630A, 4 Pole 50kA, Microprocessor Based, EDO Breaker	Each	201300.00
b	800A, 4 Pole 50kA, Microprocessor Based, EDO Breaker	Each	201300.00
c	1000A, 4 Pole 50kA, Microprocessor Based, EDO Breaker	Each	207700.00
d	1250A, 4 Pole 50kA, Microprocessor Based, EDO Breaker	Each	226700.00
e	1600A, 4 pole 50kA, Microprocessor Based, EDO Breaker	Each	248900.00

Item No.		Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
				Higher End	Lower End
	16	HORIZONTAL THREE PHASE DISTRIBUTION BOARD WITH MCBS 4 way / 6 way / 8 way / 12 way TPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single / three phase MCB outgoing and separate 4 way provision for accommodating One No. 4 pole incoming MCB / Isolator and another separate 4 way provision for accommodating One No. 4 pole ELCB / RCD with label holder and provisions for taking up cable for size not less than 35 sq.mm.			
	1	TPMCB DB with Metal Door Cover with IP42 Protection			
	a	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	2262.00	1790.00
	b	6 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 18	Each	2785.00	2262.00
	c	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	3340.00	2775.00
	d	12 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	4933.00	3770.00
	2	TPMCB DB with Acrylic Door Cover with IP42 Protection			
	a	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	2628.00	--
	b	6 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 18	Each	3225.00	--
	c	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	3854.00	--
	d	12 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	5875.00	--
	3	Industrial Type TPMCB DB with IP54 Protection			
	a	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	6379.00	--

Item No.		Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
	b	6 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 18	Each	7678.00	--
	c	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	8400.00	--
	d	12 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	11597.00	--
	17	VERTICAL THREE PHASE DISTRIBUTION BOARD WITH MCBS 4 way / 8 way / 12 way vertical TPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single / three phase MCB outgoing and separate 4 way provision for accommodating One No. 4 pole incoming MCB / Isolator and another separate 4 way provision for accommodating One No. 4 pole ELCB / RCD with label holder and provisions for taking up cable for size not less than 35 sq.mm.		Higher End	Lower End
	1	TPMCB DB with Metal Door Cover with IP42 Protection			
	a	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	5404.00	4440.00
	b	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	6850.00	5467.00
	c	12 ways 3 phase DB No. of ways incomer MCB/Isolatore - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	9134.00	6724.00
	2	TPMCB DB with Acrylic Door Cover with IP42 Protection			
	a	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	6525.00	--
	b	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	8307.00	--

Item No.		Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
	c	12 ways 3 phase DB No. of ways incomer MCB/Isolatore - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	11045.00	--
	d	6 Way Vertical TPN Distributions boards; IP43 with double door (Metal); with 12 module incomers and 18 Single Phase/Three Phase/ MCB's outgoing; as per IS	Each	10015.00	-
	3	Industrial Type TPMCB DB with IP54 Protection			
	a	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	10095.00	--
	b	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	12185.00	--
	c	12 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	16340.00	--
	18	7 SEGMENTS (3 TIER) 3 PHASE DISTRIBUTION BOARD WITH MCB 4 way / 6 way / 8 way / 12 way TPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single / three phase MCB outgoing and separate 4 way provision for accommodating One No. 4 pole incoming MCB / Isolator and another separate 4 way provision for accommodating One No. 4 pole ELCB / RCD (totally 8 ways in one segment) (3 x 4 ways in each segment) and separate provisions for MCB / Isolator (totally 12 Nos.) for sub incomers in 3 segments with label holder and provisions for taking up cable for size not less than 35 sq.mm.		Higher End	Lower End
	1	TPMCB DB with Metal / Acrylic Door Cover with IP 42 Protection			
	a	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of sub-incomers - 12 No. of outgoing ways - 12	Each	5310.00	--
	b	6 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of sub-incomers - 12 No. of outgoing ways - 18	Each	6000.00	--
	c	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of sub-incomers - 12 No. of outgoing ways - 24	Each	6693.00	--

Item No.		Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
	d	12 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of sub-incomers - 12 No. of outgoing ways - 36	Each	8525.00	--
	19	Vertical TPN Distribution Boards (with MCCB Incomer); Double Door; IP43, as per IS 8623 III; Impact resistance IK09; Frame MCCB Incomer & Single Phase/Three Phase MCBs as Outgoing (for power loads exceeding 100A)		Higher End	Lower End
	a	4 Way, MCCB + 12 Modules	Each	9045.00	16755.00
	b	6 Way, MCCB + 18 Modules	Each	10450.00	18250.00
	c	8 Way, MCCB + 24 Modules	Each	11390.00	19480.00
	d	12 Way, MCCB + 36 Modules	Each	15170.00	20650.00
	e	16 Way, MCCB + 48 Modules	Each	17920.00	23250.00
	20	SINGLE PHASE DISTRIBUTION BOARD WITH MCBs 4 way / 8 way / 12 way vertical SPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single phase MCB outgoing and separate 2 way provision for accommodating One No. 2 pole incoming MCB / Isolator and another separate 2 way provision for accommodating One No. 2 pole ELCB / RCD with label holder and provisions for taking up cable for size not less than 35 sq.mm.		Higher End	Lower End
	1	SPMCB DB with Metal Door Cover with IP42 Protection			
	a	4 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 2	Each	889.00	581.00
	b	8 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 6	Each	1112.00	794.00
	c	12 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 10	Each	1339.00	1024.00
	2	SPMCB DB with Acrylic Door Cover with IP 42 Protection			
	a	4 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 2	Each	1049.00	--

Item No.		Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
	b	8 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 6	Each	1237.00	--
	c	12 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 10	Each	1500.00	--
	3	Industrial Type SPMCB DB with IP 54 Protection			
	a	4 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 2	Each	2680.00	--
	b	8 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 6	Each	3140.00	--
	c	12 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 10	Each	3619.00	--
XIII		PART "M"			
	1	TRANSFORMERS			OEM
	a	250 KVA, 11 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 2)	Each	917000.00	
	b	500 KVA, 11 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 2)	Each	1259000.00	
	c	630 KVA, 11 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 2)	Each	1613000.00	
	d	1000 KVA, 11 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 2)	Each	2058000.00	
	e	250 KVA, 22 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 2)	Each	1031000.00	
	f	500 KVA, 22 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 2)	Each	1373000.00	
	g	630 KVA, 22 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 2)	Each	1727000.00	
	h	1000 KVA, 22 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 2)	Each	2172000.00	
		New Items			
	i	1600 KVA, 11 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 2)	Each	3050000.00	

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
j	1600 KVA, 22 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 2)	Each	3180000.00
k	11KV 2 Pole HT Structure		434500.00
l	11KV 6 Pole HT structure		1430000.00
2	11 KV INDOOR VACCUM CIRCUIT BREAKER		
a	11 KV, 25 KA, 630 A, HT Indoor Single Panel Vaccum Circuit Breaker complete as per specification	Each	445000.00
b	11 KV, 25 KA, 630 A, HT Indoor Three Panel Vaccum Circuit Breaker complete as per specification	Each	1134000.00
c	11 KV, 25 KA, 630 A, HT Indoor Four Panel Vaccum Circuit Breaker complete as per specification	Each	1609000.00
d	11 KV, 25 KA, 630 A, HT Indoor Five Panel Vaccum Circuit Breaker complete as per specification	Each	1929000.00
3	11 KV OUTDOOR VACCUM CIRCUIT BREAKER		
a	11 KV, 25 KA, 630 A, HT Outdoor Single Panel Vaccum Circuit Breaker complete as per specification	Each	465000.00
b	11 KV, 25 KA, 630 A, HT Outdoor Three Panel Vaccum Circuit Breaker complete as per specification	Each	1162000.00
c	11 KV, 25 KA, 630 A, HT Outdoor Four Panel Vaccum Circuit Breaker complete as per specification	Each	1628000.00
d	11 KV, 25 KA, 630 A, HT Outdoor Five Panel Vaccum Circuit Breaker complete as per specification	Each	1949000.00
4	11 KV INDOOR RING MAIN GEAR (RMG)		
a	11 KV, 25 KA, 630 A, HT Indoor Three Panel Ring Main Gear complete as per specification	Each	647000.00
5	11 KV OUTDOOR RING MAIN GEAR (RMG)		
a	11 KV, 25 KA, 630 A, HT Outdoor Three Panel Ring Main Gear complete as per specification	Each	678000.00
6	HT CABLES		
	New Items		
a	185 sq.mm. 3 core HT XLPE 11KV (E)	Mtr.	1685.00
b	185 sq.mm. 3 core HT XLPE 11KV (UE)	Mtr.	2190.00
c	240 sq.mm. 3 core HT XLPE 11KV (UE)	Mtr.	2575.00
d	240 sq.mm. 3 core HT XLPE 11KV (E) SISMV11E3 x 2402797	Mtr	1965.00
e	300 sq.mm. 3 core HT XLPE 11KV (E) SISMV11E3 x 3002797	Mtr	2285.00
f	300 sq.mm. 3 core HT XLPE 11KV (UE) SISMV11U3 x 3002424	Mtr	2680.00

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
7	CABLES, ACCESSORIES AND KITS			
a	120-185 sq.mm. 3 core HT Cable Indoor Terminations XLPE 11KV (E) - EPKT 3111	Each	11000.00	
b	240-300 sq.mm. 3 core HT Cable Indoor Terminations XLPE 11KV (E) - EPKT 3121	Each	11750.00	
c	120-185 sq.mm. 3 core HT Cable Outdoor Terminations XLPE 11KV (E) - EPKT 3362	Each	15200.00	
d	240-300 sq.mm. 3 core HT Cable Outdoor Terminations XLPE 11KV (E) - EPKT 3372	Each	17100.00	
e	240-400 sq.mm. 3 core HT Cable Indoor Terminations 11 KV (UE) - Belted PILC Cables - EPKT 4685	Each	15500.00	
f	240-400 sq.mm. 3 core HT Cable Outdoor Terminations 11 KV (UE) - Belted PILC Cables - EPKT 4961	Each	20500.00	
g	150-185 sq.mm. 3 core HT Cable Outdoor Terminations 22KV(E) Screened XLPE Cables - EPKT 5363	Each	21800.00	
h	240-400 sq.mm. 3 core HT Cable Outdoor Terminations 22KV(E) Screened XLPE Cables-EPKT 5373	Each	29000.00	
i	185-240 sq.mm 3 core HT Cables Straight Through Joints 22KV (E) Screened XLPE Cables-EPKJ 5118	Each	57000.00	
j	300-400 sq.mm. 3 core HT Cable Straight Thorough Joints 22KV (E) Screened XLPE Cables - EPKJ 5119	Each	63700.00	
8	SAFETY ACCESSORIES			
a	AC Chargeable Emergency Lamp 2 x 11W PL Lamp with all connected accessories	Each	3181.00	
b	2m x 1m Rubber Mat suitable for 11 KV installation confirming to IS	Set (5 Nos.)	18558.00	
c	First Aid Box complete with all First Aid Medicines	Each	1696.00	
d	Shock Treatment Chart fixed in glass frame	Each	1696.00	
e	4 Nos. Fire Buckets made out of 40 x 40 x 6mm MS Angle	Each	4666.00	
f	Hand Gloves 11KV Grade	Each	1908.00	
g	Danger Board as required by the Electrical Authorities	Each	1590.00	
h	Fire Extinguisher Co2, 4.5 kg. confirming to TAC Norms	Each	1432.00	
i	Earth Discharge Rod	Each	3711.00	
XIV	PART "N"			
1	SUPPLY & INSTALLATION OF AIR-CONDITIONER WITH COPPER COIL		3 Star Rated	5 Star Rated
a	1.5 TR Split Type AC Unit	Each	32600.00	43400.00
b	2.0 TR Split Type AC Unit	Each	43400.00	55400.00

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
c	Supply and installation of 4 KVA capacity Automatic Voltage Stabilizer with time delay relay	Each	4365.00
d	Supply and installation of 5 KVA capacity Automatic Voltage Stabilizer with time delay relay	Each	4855.00
e	Supply and laying of 5/8" and 3/8" copper pipe (Extra beyond 3 metres supplied with AC unit)	Each	924.00
f	Supply and fixing of MS stand for fixing outdoor unit	Each	1070.00
2	SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND HANDING OVER OF AIR-COOLED SELF CONTAINED DUCTABLE AC UNITS		
a	3.0 TR Ceiling Suspended Ductable Unit	Each	96400.00
b	5.5 TR Ceiling Suspended Ductable Unit	Each	166400.00
c	8.5 TR Ceiling Suspended Ductable Unit	Each	226800.00
d	11 TR Ceiling Suspended Ductable Unit	Each	292600.00
e	17 TR Ceiling Suspended Ductable Unit	Each	424200.00
f	5.5 TR Floor Mounted Ductable Unit	Each	351700.00
g	8.5 TR Floor Mounted Ductable Unit	Each	363300.00
h	11 TR Floor Mounted Ductable Unit	Each	399000.00
i	17 TR Floor Mounted Ductable Unit	Each	570000.00
j	25 TR Floor Mounted Ductable Unit	Each	685000.00
3	ACCESSORIES FOR PACKAGE AC		
a	Supply and filling of R-22 Refrigerant Gas	KG	562.00
b	Supply and fixing of Copper Refrigerant Piping of 7/8" dia	RM	1020.00
c	Supply and fixing of Flexible Canvas Connection	Each	2720.00
d	Supply and fixing of 50mm thick Anti Vibrating Rubber Pads	Sqm.	534.00
e	Supply, Fabrication and erection of fabricated ducting made up of GI Sheets of 24 Gauge thickness	RM	834.00
f	Supply, Fabrication and erection of fabricated ducting made up of GI sheets of 22 Gauge thickness	Sqm.	1117.00
g	Supply, Fabrication and erection of fabricated ducting made up of GI sheets of 20 Gauge thickness	Sqm.	1389.00
h	Supply and fixing of extruded aluminum powder coated, Supply and return Air Grilles / Diffusers with Volume Control Damper	Sqm.	7775.00
i	Supply and fixing of water drain pipe line (1" PVC Pipe)	RM	63.00

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
j	Supply, fabrication and fixing of MS Channel for Mounting the Airconditioning Indoor Unit	Each	7194.00
k	Supply, fabrication and fixing of MS Channel for Mounting the Airconditioning Outdoor Unit	Each	6123.00
l	Supply and providing of pipeline nitrle rubber insulation for Refrigerant and drain pipe lines.	RM	54.30
m	Supply and fixing of Duct Mouth Dampers	Set	2330.00
n	Supply and providing acoustic for initial portion of ducting with 12mm thick Fibre Glass Rigid Board covered with Tissue Paper and Aluminum Perforated Sheet	Sqm.	827.00
o	Supply and providing thermal insulation of 9mm thick vidoflex with Aluminum Foil	Sqm.	806.00
p	Supply and providing Civil Concrete Block for Mounting the Airconditioning Unit	Each	693.00
q	Supply and laying of 30 sq.mm. incoming cable	RM	375.00
r	Supply and providing of 10 sq.mm. copper flexible single cable	RM	86.90
s	Supply and providing of 1.5 sq.mm. copper flexible cable	RM	19.40
t	Supply and providing of 0.5 sq.mm. 4 core flexible signal cable	RM	16.20
	New Items		
4	VARIABLE REFRIGERANT FLOW (VRF) AIR-CONDITIONING SYSTEM		
a	Inverter Scroll Compressor Modular VRF ODU		
i	34.0 HP	Each	755000.00
ii	32.0 HP	Each	718500.00
iii	30.0 HP	Each	673000.00
iv	28.0 HP	Each	630000.00
v	26.0 HP	Each	583100.00
vi	24.0 HP	Each	534200.00
vii	22.0 HP	Each	504700.00
viii	20.0 HP	Each	462000.00
ix	18.0 HP	Each	397800.00
x	16.0 HP	Each	354400.00
xi	14.0 HP	Each	342800.00
xii	12.0 HP	Each	311600.00

Item No.	Details		Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	xiii	10.0 HP	Each	235000.00
	xiv	8.0 HP	Each	226400.00
	b	High ESP Duct (200Pa / 220Pa) with Wired Controller, No Drain Pump		
	i	6.3 TR	Each	81000.00
	ii	8.0 TR	Each	83700.00
	iii	12.8 TR	Each	143100.00
	iv	16.0 TR	Each	149800.00
	c	Wall-Mounted Panel with Cordless Remote Controller		
	i	0.63 TR	Each	17700.00
	ii	0.80 TR	Each	18800.00
	iii	1.03 TR	Each	21800.00
	iv	1.28 TR	Each	22500.00
	v	1.60 TR	Each	23600.00
	vi	2.02 TR	Each	24100.00
	5	SUPPLY AND FILLING REFRIGERANT GAS		
	a	R410A	Kg.	600.00
	b	R407C	Kg.	600.00
	6	REFRIGERANT PIPE		
	a	36.90mm	RM	1915.00
	b	28.60mm	RM	1750.00
	c	22.20mm	RM	1470.00
	d	19.10mm	RM	1120.00
	e	15.90mm	RM	1050.00
	f	12.70mm	RM	950.00
	g	9.50mm	RM	755.00
	h	6.40mm	RM	660.00
	7	DRAIN PIPE		
	a	25mm	RM	165.00
	b	32mm	RM	198.00
	c	40mm	RM	242.00

Item No.	Details		Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	d	50mm	RM	286.00
	8	Supply and fixing of Refnet joint	Each	9020.00
	9	GENERATORS WITH STANDARD PANEL		
	a	5 KVA	Each	202100.00
	b	7.5 KVA	Each	210900.00
	c	10 KVA	Each	238500.00
	d	15 KVA	Each	256300.00
	e	20 KVA	Each	269500.00
	f	30 KVA	Each	328000.00
	g	35 KVA	Each	350200.00
	h	40 KVA	Each	408700.00
	i	45 KVA	Each	477300.00
	j	62.5 KVA	Each	549000.00
	k	82.5 KVA	Each	647500.00
	l	100 KVA	Each	720000.00
	m	125 KVA	Each	827600.00
	n	160 KVA	Each	1124000.00
	o	200 KVA	Each	1373000.00
	p	250 KVA	Each	1546000.00
		New Item		
	q	500 KVA	Each	3918000.00
	10	GENERATORS WITH AUTO MAIN FAILURE (AMF) PANEL		
	a	62.5 KVA	Each	659600.00
	b	82.5 KVA	Each	757900.00
	c	100 KVA	Each	941300.00
	d	125 KVA	Each	1048000.00
	e	160 KVA	Each	1345000.00
	f	200 KVA	Each	1594000.00
	g	250 KVA	Each	1767000.00
	6	Exhaust Pipe with Silencer	RM	2177.00

Item No.	Details		Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
11	PASSENGER LIFTS (G+3) SS 304 Grade with 1m/sec. speed with ARD			Higher End
A	8 Persons Passenger Lift Car Size (1300 x 1100)			
a	Gearless Lift with Machine Room		Each	1500000.00
b	Gearless Lift without Machine Room		Each	1570000.00
B	10 Persons Passenger Lift Car Size (1300 x 1350)			Higher End
a	Gearless Lift with Machine Room		Each	1567000.00
b	Gearless Lift without Machine Room		Each	1643000.00
C	13 Persons Passenger Lift Car Size (2000 x 1100)			Higher End
a	Gearless Lift with Machine Room		Each	1745000.00
b	Gearless Lift without Machine Room		Each	1825000.00
D	20 Persons Passenger Lift Car Size (2000 x 1500)			Higher End
a	Gearless Lift with Machine Room		Each	2169000.00
b	Gearless Lift without Machine Room		Each	2305000.00
	Further increase of rate per floor for every additional floor Rs.1,00,000/- per floor. Comprehensive servicing and maintenance of lifts for further period of 2 years beyond free warranty period of one year from the date of commissioning of lifts will be paid at the rate of 5% of capital cost of lift.			--
12	BED-CUM-PASSENGER LIFTS (G+3) SS 304 Grade with 1m/sec. speed with ARD			
A	15 Persons Passenger Lift Car Size (1000 x 2400)			Higher End
a	Gearless Lift with Machine Room		Each	1904000.00
b	Gearless Lift without Machine Room		Each	2025000.00
B	20 Persons Passenger Lift Car Size (1300 x 2400)			
a	Gearless Lift with Machine Room		Each	2275000.00
b	Gearless Lift without Machine Room		Each	2369000.00
C	26 Persons Passenger Lift Car Size (1600 x 2400)			
a	Gearless Lift with Machine Room		Each	2586000.00
b	Gearless Lift without Machine Room		Each	2787000.00
	Further increase of rate per floor for every additional floor Rs.1,00,000/- per floor. Comprehensive servicing and maintenance of lifts for further period of 2 years beyond free warranty period of one year from the date of commissioning of lifts will be paid at the rate of 5% of capital cost of lift.			--

Item No.	Details		Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
		New Items			
13	1 PHASE UPS (Single Phase In & Single Phase Out)			System with Battery	
		CAPACITY		1 hour back-up	2 hours back-up
a	1 KVA		Each	29500.00	39500.00
b	2 KVA		Each	65000.00	85500.00
c	3 KVA		Each	78500.00	135000.00
d	5 KVA		Each	145000.00	200000.00
e	7.5 KVA		Each	175000.00	228000.00
14	3 PHASE UPS (Three Phase In & Single Phase Out)			System with Battery	
		CAPACITY		1 hour back-up	2 hours back-up
a	7.5 KVA		Each	185000.00	237500.00
b	10 KVA		Each	270000.00	360000.00
c	15 KVA		Each	370000.00	446000.00
XV	PART "O"				
1	GI STEEL TUBULAR POLE FOR STREET LIGHT				
a	4 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 76.10mm OD x 3.65mm Thick x 4000mm Length		Each	6350.00	
b	4 Metre Length Double Bracket Pole with Base Plate (250 x 250 x 6mm) 76.10mm OD x 3.65mm Thick x 4000mm Length		Each	7230.00	
c	6 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 76.10mm OD x 3.65mm Thick x 6000mm Length		Each	7590.00	
d	6 Metre Length Double Bracket Pole with Base Plate (250 x 250 x 6mm) 76.10mm OD x 3.65mm Thick x 6000mm Length		Each	8470.00	
e	7 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 4000mm Length, 88.90mm OD x 4.85mm Thick x 1500mm Length, 76.1mm OD x 3.25mm Thick x 1500mm Length		Each	9730.00	

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
f	7 Metre Length Double Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 4000mm Length, 88.90mm OD x 4.85mm Thick x 1500mm Length, 76.10mm OD x 3.25mm Thick x 1500mm Length	Each	10700.00
g	7.50 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 4500mm Length, 88.90mm OD x 4.85mm Thick x 1500mm Length, 76.1mm OD x 3.25mm Thick x 1500mm Length	Each	10870.00
h	7.50 Metre Length Double Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 4500mm Length, 88.90mm OD x 4.85mm Thick x 1500mm Length, 76.10mm OD x 3.25mm Thick x 1500mm Length	Each	12010.00
i	8 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 4500mm Length, 88.90mm OD x 4.85mm Thick x 1750mm Length, 76.10mm OD x 3.25mm Thick x 1750mm Length	Each	11190.00
j	8 Metre Length Double Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 4500mm Length, 88.90mm OD x 4.85mm Thick x 1750mm Length, 76.10mm OD x 3.25mm Thick x 1750mm Length	Each	12320.00
k	8.50 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 5000mm Length, 88.90mm OD x 4.85mm Thick x 1750mm Length, 76.10mm OD x 3.25mm Thick x 1750mm Length	Each	11930.00
l	8.50 Metre Length Double Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 5000mm Length, 88.90mm OD x 4.85mm Thick x 1750mm Length, 76.10mm OD x 3.25mm Thick x 1750mm Length	Each	13390.00
m	9 Metre Length Single Bracket Pole with Base Plate (300 x 300 x 6mm) 114.30mm OD x 5.40mm Thick x 5000mm Length, 88.90mm OD x 4.85mm Thick x 2000mm Length, 76.10mm OD x 3.25mm Thick x 2000mm Length	Each	11930.00
n	9 Metre Length Double Bracket Pole with Base Plate (300 x 300 x 6mm) 114.30mm OD x 5.40mm Thick x 5000mm Length, 88.90mm OD x 4.85mm Thick x 2000mm Length, 76.10mm OD x 3.25mm Thick x 2000mm Length	Each	13390.00

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
o	10 Metre Length Single Bracket Pole with Base Plate (300 x 300 x 6mm) 139.70mm OD x 4.50mm Thick x 5200mm Length, 114.30mm OD x 4.50mm Thick x 2400mm Length, 88.90mm OD x 3.25mm Thick x 2400mm Length	Each	15800.00
p	10 Metre Length Double Bracket Pole with Base Plate (300 x 300 x 6mm) 139.70mm OD x 4.50mm Thick x 5200mm Length, 114.30mm OD x 4.50mm Thick x 2400mm Length, 88.90mm OD x 3.25mm Thick x 2400mm Length	Each	16230.00
q	12 Metre Length Single Bracket Pole with Base Plate (300 x 300 x 6mm) 165.10mm OD x 4.50mm Thick x 5800mm Length, 139.70mm OD x 4.50mm Thick x 3100mm Length, 114.30mm OD x 3.65mm Thick x 3100mm Length	Each	18620.00
r	10 Metre Length Double Bracket Pole with Base Plate (300 x 300 x 6mm) 165.10mm OD x 4.50mm Thick x 5800mm Length, 139.70mm OD x 4.50mm Thick x 3100mm Length, 114.30mm OD x 3.65mm Thick x 3100mm Length	Each	20640.00
2	OCTAGONAL POST		
a	Supply, Erection of 8m Free Standing Single Arm Bracket 8 sided Octagonally continuously tapered structured pole with base plate of size 300 x 300 x 12mm as per IS-875 with following specification. Bottom Pole Dia - 130mm Top Pole Dia - 70 mm Thickness of Pole - 3 mm The pole should be hot dip galvanized confirming to BESN ISO-1461 with thickness of 65 Micron	Each	20790.00
b	Supply, Erection of 8m Free Standing Double Arm Bracket 8 sided Octagonally continuously tapered structured pole with base plate of size 300 x 300 x 12mm as per IS-875 with following specification. Bottom Pole Dia - 130mm Top Pole Dia - 70 mm Thickness of Pole - 3 mm The pole should be hot dip galvanized confirming to BESN ISO-1461 with thickness of 65 Micron	Each	21920.00
c	Supply, Erection of 7m Free Standing Double Arm Bracket 8 sided Octagonally continuously tapered structured pole with base plate of size 250 x 250 x 12mm as per IS-875 with following specification. Bottom Pole Dia - 140mm Top Pole Dia - 70 mm Thickness of Pole - 3 mm The pole should be hot dip galvanized confirming to BESN ISO-1461 with thickness of 65 Micron	Each	20910.00

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	New Items		
3	Minimast (12 Metre) with 6 Nos. 150W LED Fitting	Each	349800.00
4	Highmast (16 Metre) with 8 Nos. 150W LED Fitting	Each	528100.00
5	LIGHTNING ROD		
a	Supply of Early Streamer Emission Air Terminal (ESEAT). Model: L The ESEAT has corrosion resistant stainless chrome body made up of AISI 316 grade of height 0.50 metres capable of working in hazardous atmosphere. The Air terminal is non-radioactive and requires no special licensing. The unit is fully autonomous (no battery, no external power supply is required), collects energy from the ambient electric field. The ESEAT model has been tested in a high voltage laboratory in accordance with NFC 17 102 in order to measure the average gain in triggering. The average gain in triggering time (ΔT s) obtained during the lab test for the offered model is 60 μ s. The ESEAT works on negative as well as positively polarized discharges. ESEAT has been tested for such discharges in Central Power Research Institute (CPRI). A dedicated tester is available to test the healthiness of the ESEAT on request (Page No. 37, Point No. 3 of Clause 8.6 of the Revised NFC 17-102 version 2011). ESEAT Model : L - Radius of protection : 86 Metres Level of protection considered for the Project-II level	Each	73850.00
b	Supply of Early Streamer Emission Air Terminal (ESEAT). Model: S The ESEAT has corrosion resistant stainless chrome body made up of AISI 316 grade of height 0.50 metres capable of working in hazardous atmosphere. The Air terminal is non-radioactive and requires no special licensing. The unit is fully autonomous (no battery, no external power supply is required), collects energy from the ambient electric field. The ESEAT model has been tested in a high voltage laboratory in accordance with NFC 17 102 in order to measure the average gain in triggering. The average gain in triggering time (ΔT s) obtained during the lab test for the offered model is 60 μ s. The ESEAT works on negative as well as positively polarized discharges. ESEAT has been tested for such discharges in Central Power Research Institute (CPRI). A dedicated tester is available to test the healthiness of the ESEAT on request (Page No. 37, Point No. 3 of Clause 8.6 of the Revised NFC 17-102 version 2011). ESEAT Model : S - Radius of protection : 46 Metres Level of protection considered for the Project-II level	Each	65580.00
c	MOUNTING STRUCTURE		
	Supply of Standard / Special Mounting Structure of height 4.5 mts. pipe, and 300 x 300 x 8mm MS plate, 3 mts. 48mm OD class C GI outer pipe, 1.8 mtr, 38mm OD inner pipe, for roof mounting on concrete base and with FRP adapter	Each	19680.00
d	DOWN CONDUCTOR		
	Supply and run of 25mm x 6mm GI Flat Down Conductor with necessary clamps / supports on wall / floor / ground for earth connection	Mtr	114.00

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
e	TEST LINK		
	Supply of Test Link Box for each Down conductor in order to disconnect the earth termination system to enable measurement of resistance	Each	4843.00
f	EARTH ELECTRODE		
	Supply and insallation maintenance free GI Earthing System comprising of 50mm dia and 2 mtr. long earth electrode of low carbon steel rod with 100 micron bonding and 25 kgs. of carbon based environment friendly backfill compound and suitable clamp	Each	8938.00
g	SURGE PROTECTION		
	Supply and insallation Cabinet Type Class 1 and 2 Combined Model SPD to arrest surges and overvoltages in the power line due to lighning switching action etc. they must be installed in the incoming MCC panel / DB of the respective buling in parallel to the power circuit. Model: PSV4-12.5/400TT (3 phase power network)	Each	18780.00
XVI	PART "P"		
	CONFERENCE TYPE PUBLIC ADDRESS SYSTEM, PROJECTOR AND MOTORIZED SCREEN		Higher End
1	Chairman Unit	Each	15095.00
2	Delegate Unit	Each	13380.00
3	Conference Controller	Set	33475.00
4	PA Mixer Amplifier 120W	Set	20155.00
5	PA Mixer Amplifier 240W	Set	25860.00
6	PA Booster Amplifier 480W	Set	44660.00
7	Wall Speaker 15W	Each	8679.00
8	Wall Speaker 30W	Each	12615.00
9	Ceiling Speaker 15W	Each	2196.00
10	Ceiling Speaker 20W	Each	3394.00
11	Cordless Mic UHF	Each	20200.00
12	8 Pin Conference Mic Socket with Modular Box and Front Plate	Each	330.90
13	2 Core 1.5 sq.mm Shielded Copper Speaker Wire	RM	40.90
14	8 Core 1.5 sq.mm PVC Copper Conference Ccable	RM	157.00
15	3200 Ansi Lumens Projector, XGA (1024X 768) Resolution, Contrast Ratio: 4000:1	Each	39180.00

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
16	3600 Ansi Lumens Projector, XGA (1024X 768) Resolution, Contrast Ratio: 20000:1	Each	55740.00
17	3300 Ansi Lumens Short Throw Projector, WXGA (1280 X 800) Resolution, Contrast Ratio: 3000:1	Each	98200.00
18	6' x 4' Motorized Screen	Each	12089.00
19	8' x 6' Motorized Screen	Each	16220.00
20	10' x 8' Motorized Screen	Each	19480.00
21	3 Feet Ceiling Mount Kit	Each	4294.00
22	20 Metre HDMI Cable	Set	4252.00
23	3 Core 1.5 sq.mm. PVC Power Cable for Projector	RM	57.80
24	UNARMoured 0.5MM TELEPHONE CABLE		
a	2 Pair	RM	9.10
b	4 Pair	RM	16.30
c	10 Pair	RM	38.60
d	20 Pair	RM	71.40
e	50 Pair	RM	161.00
25	ARMoured 0.5MM JELLY FILLED TELEPHONE CABLE		
a	10 Pair	RM	149.80
b	20 Pair	RM	220.20
c	50 Pair	RM	428.20
d	100 Pair	RM	742.50
e	200 Pair	RM	1382.00
26	UNARMoured CO-AXIAL CABLE FOR TV		
a	RG-06	RM	23.40
b	RG-11	RM	53.00
27	ARMoured CO-AXIAL CABLE FOR TV		
a	RG-06	RM	89.60
b	RG-11	RM	127.40
28	UNARMoured LAN & CCTV CABLE		
a	CAT-6	RM	29.40
29	ARMoured LAN & CCTV CABLE		
a	CAT-6	RM	105.00

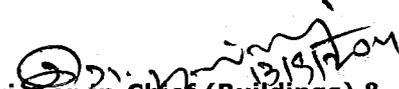
Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
30	UNARMoured SPEAKER CABLE		
a	2 Core - 1.0 sq.mm	RM	28.40
b	2 Core - 1.5 sq.mm	RM	40.80
31	ARMoured SPEAKER CABLE		
a	2 Core - 1.5 sq.mm	RM	84.60
b	2 Core - 2.5 sq.mm	RM	105.00
32	OFC CABLE		
a	6 Core Indoor	RM	54.00
b	6 Core Outdoor	RM	59.00
c	12 Core Indoor	RM	69.20
33	PoE SWITCHES FOR CCTV IP CAMERA		Higher End
a	4 Port	Each	6158.00
b	8 Port	Each	8514.00
c	24 Port	Each	19270.00
34	NETWORK VIDEO RECORDER FOR CCTV		
a	4 Channel - 1 SATA	Each	5569.00
b	8 Channel - 1 SATA (1 No. Hard Disk)	Each	6426.00
c	16 Channel - 2 SATA (2 Nos. Hard Disk)	Each	11776.00
d	32 Channel - 2 SATA (2 Nos. Hard Disk)	Each	21410.00
35	LAN NETWORK SWITCHES		
I	Un-Managed 10 / 100 / 1000		
a	8 Port	Each	1981.00
b	16 Port	Each	5194.00
c	24 Port	Each	6373.00
II	Semi-Managed 10 / 100 / 1000		
a	24 Port	Each	11988.00
III	Fully Managed 10 / 100 / 1000 Layer-2 with 1G Uplink		
a	8 Port	Each	17129.00
b	24 Port	Each	35339.00
c	24 Port with Fibre Port	Each	63185.00
d	48 Port	Each	42820.00

Item No.	Details		Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
	IV	Fully Managed 10 / 100 / 1000 Layer-2 with 10G Uplink		
	a	24 Port	Each	38550.00
	b	28 Port	Each	49530.00
	V	Fully Managed 10 / 100 / 1000 Layer-3 with 10G Uplink		
	a	24 Port	Each	112460.00
	b	24 Port with Fibre Port	Each	128470.00
	c	48 Port	Each	208760.00
	36	MEDIA CONVERTER FOR OPTICAL FIBRE CABLE		
	a	Single Mode	Each	5355.00
	b	Multi Mode	Each	4819.00
	37	I/O SOCKET		
	a	RJ-45	Each	161.10
	b	RJ-11	Each	64.20
	c	CAT 6 PVC Module Box	Each	64.20
	d	Face Plate Single Socket RJ-45	Each	96.80
	e	Face Plate Dual Socket RJ-45	Each	107.00
	f	Face Plate Quad Socket RJ-45	Each	118.10
	38	HARD DISK FOR NVR		Higher End
	a	2 TB	Each	5890.00
	b	4 TB	Each	12478.00
	c	6 TB	Each	16922.00
	d	8 TB	Each	24633.00
	39	RACK WITH ACCESSORIES		Higher End
	a	2U Rack	Each	1927.00
	b	4U Rack	Each	2676.00
	c	6U Rack	Each	3211.00
	d	9U Rack	Each	4282.00
	e	12U Rack	Each	6423.00
	f	36U Rack	Each	21412.00
	g	42U Rack	Each	37470.00

Item No.	Details		Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)	
	h	Fan extra for the above rack	Each	535.00	
	40	PATCH CORD		Higher End	
	a	1 Metre Length	Each	139.30	
	b	2 Metre Length	Each	186.80	
	c	3 Metre Length	Each	225.20	
	d	24 Port Patch Panel – Unloaded	Each	2141.00	
	e	24 Port Patch Panel – Fully Loaded	Each	4016.00	
XVII	PART "Q"				
	HIRE CHARGES FOR TEMPORARY ARRANGEMENTS				
	1	METAL HALLIDE LAMP			
	a	1 Day	Each	278.00	
	b	2 Days	Each	350.00	
	c	3 Days	Each	405.00	
	d	4 Days	Each	456.00	
	e	5 Days	Each	511.00	
	f	6 Days	Each	556.00	
	g	7 Days	Each	612.00	
	2	GENERATOR		Starting & End Day	Inter-mediate Days
	a	62.5 KVA	Each	1780.00	1424.00
	b	125 KVA	Each	3673.00	2938.00
	c	250 KVA	Each	7348.00	5878.00
	d	320 KVA	Each	8795.00	7037.00
	e	500 KVA	Each	13360.00	10685.00
	3	CABLE			
	a	2 of 7/20 sq.mm	RM	2.12	
	b	4 of 7/20 sq.mm	RM	4.24	
	c	4 of 19/16 sq.mm	RM	11.65	
	d	4 of 7/16 sq.mm	RM	6.35	
	e	4 of 120 sq.mm	RM	56.15	
	f	3.5 x 180 sq.mm LTUG	RM	22.25	
	g	4 of 185 sq.mm	RM	78.40	

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
h	3 Core Flexible Wire	RM	3.18
i	4 Core Flexible Wire	RM	3.18
j	4 Core 6 sq.mm Copper Cable	RM	6.35
k	4 x 10 sq.mm Flexible Cable	RM	6.35
l	2 of 3/20 sq.mm	RM	2.12
m	3 1/2 x 50 sq.mm LTUG	RM	11.65
n	Co-Axial Cable	RM	1.06
4	SERIAL SET		
a	2 Days	RM	18.00
b	3 Days	RM	26.50
5	Fly Catcher 2 Days	Each	178.00
6	Air Cooler with Stand 2 Days	Each	301.00
7	Air Circulator 2 Days	Each	66.70
8	Pedastal Fan	Each	44.50
9	LED Nose Light	Each	19.00
10	Earth Pipe	RM	33.90
11	100A Change Over Switch	Each	167.40
12	250A Change Over Switch	Each	178.00
13	400A Change Over Switch	Each	222.00
14	250A Change Over Switch with Panel Board	Each	834.00
15	100A Panel Board with 100A TPN Switch & 5 Nos. 30A TPN switch with Bus Bar	Each	863.00
16	250A Panel Board with 250A TPN Switch & 7 Nos. 63A DPMCB switch	Each	1113.00
17	100A Panel Board incoming 100A TPN Switch with various range of TP/DP/SP MCB with suitable angle iron frame work	Each	823.00
18	200A Panel Board	Each	890.00
19	400A Panel Board	Each	1669.00
20	4'40W Patty Tube Light with Fitting	Each	26.40
21	15A / 5A Plug Board	Each	26.40
22	Blank Post	Each	2060.00
23	6 metre GI Post for Metal Halide Fitting	Each	100.70

Item No.	Details	Per	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
24	1.5 TR Split AC	Each	5567.00
25	2 TR Split AC	Each	7460.00
26	5 TR Split AC	Each	26275.00
27	7.5 TR Ductable AC	Each	38410.00
28	5 TR Slim Pack	Each	26055.00
29	Air Curtain	Each	556.00
30	High Power Audio System	Each	50100.00
31	PA System	Each	7794.00
32	Amplifier, Mic, XLR	Each	5567.00
33	2 x 15 HF 3 Way Speaker	Each	1780.00
34	1 x 15 HF Speaker	Each	1113.00
35	4 x 12 Loud Speaker	Each	667.00
36	Car Calling System arrangement	Each	3340.00
37	Cordless Mic	Each	556.00
38	Wired Mic	Each	556.00
39	32 Channel Mixer Amplifier	Each	667.00
40	Laptop to play CD Songs	Each	2226.00
41	5 KVA with 1 Hour back-up	Each	8350.00
42	Power Amplifier	Each	222.60
43	Sony Video Camera	Each	5567.00
44	42" Plasma Screen	Each	2783.00
45	Mixer Board, Computer, UPS, etc	Each	8900.00
46	200W LED Flood Light Fitting	Each	222.60
47	5TR Slim Package AC	Each	28170.00
Note:	The Basic Rate adopted under this Head, "Annexure-VII - Rates of Electrical Items of Works" is exclusive of all taxes and GST.		


**Engineer-in-Chief (Buildings) &
Chief Engineer (Buildings), PWD,
Chennai Region, Chennai-5.**


13/9/2021

ANNEXURE-VIII

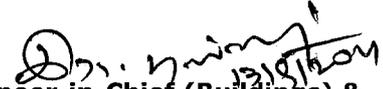
**RATES OF LABOUR, RATES OF MATERIALS AND RATES OF WORKS -
EXCLUSIVELY FOR TEMPLE WORKS**

Sl. No.	Description	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
I	RATES OF LABOUR		
A	Ornamental Brick Work		
1	Sthapathy-I Class (Marking)	Day	1442.00
2	Silpi-I Class	Day	1215.00
3	Silpi-II Class	Day	1109.00
4	Assistant Silpi	Day	792.00
B	Panchavarnam Work		
5	Artist Painter-I Class	Day	1080.00
6	Artist Painter-II Class	Day	911.00
7	Assistant Painter	Day	570.00
C	Sudhai Work		
8	Silpi for Vighram	Day	1442.00
9	Silpi for Ornamental Varagam	Day	1215.00
D	Wood Work		
10	Vighraha Sthapathy	Day	1442.00
11	Sthapathy-I Class	Day	1442.00
12	Sthapathy-II Class	Day	1225.00
13	Silpi-I Class	Day	1215.00
14	Silpi-II Class	Day	1109.00
15	Sthapathy Assistant	Day	1109.00
E	Ornamental Stone Work		
16	Sthapathy-I Class (Marking)	Day	1442.00
17	Sthapathy-II Class (Supervisor Sthapathy)	Day	1290.00
18	Silpi-I Class	Day	1215.00
19	Silpi-II Class	Day	1109.00
20	Smith-I Class	Day	1215.00
21	Smith-II Class	Day	1109.00
22	Assistant Silpi	Day	792.00

Sl. No.	Description	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
II	RATES OF MATERIALS		
1	Supply of high quality Burma Teakwood meant for the purpose of making the following items		
a	Temple Pattern Ornamental Doors with high quality Burma Teakwood with 2" minimum to 7" maximum thick ornamental frames, 2" thick to 5" thick Kamala (Flower Planks), Creeper, Birds, Animal Figures, Sculptures, etc. Backside 1" thick to 3" plank including necessary carving, shaping, wastage, etc., as per approved plan and design.	cum.	309800.00
b	Temple Chariot Ornamental Works consisting of Architectural Embellishments like, Peetas, Padmas, Pillars, Pilasters, Bodhikas, Kapotams, Koodu, Sikaram and other Ornamental Cornice works and also necessary Creepers, Kamalams, Animal, Bird Figures and Sculptures.	cum.	324800.00
c	Kodimaram (Dwajasthambam) Stem 9" to 18" dia upto 30 feet height.	cum.	339800.00
2	Supply of Teakwood for making the following items		
a	Temple Pattern Ornamental Doors with high quality teakwood (country) with 2" minimum to 7" maximum thick Ornamental Frames, 2" thick to 5" thick Kamala (Flower Planks), Creeper, Birds, Animal Figures, Sculptures, etc. Backside 1" thick to 3" plank including necessary carving, shaping, wastage, etc., as per approved plan and design.	cum.	199000.00
b	Temple Chariot Beams, Temple Wooden Uttarams with minimum 9" thick to 18".	cum.	213021.00
c	Kodimaram (Dwajasthambam) Stem 9" to 18" dia upto 30 feet height.	cum.	213021.00
3	Supply of Country Wood for making the following items using Vengai Wood		
a	Temple Pattern Ornamental Doors with high quality Country Wood with 2" minimum to 7" maximum thick Ornamental Frames, 2" thick to 5" thick Kamala (Flower Planks), Creeper, Birds, Animal Figures, Sculptures, etc. Backside 1" thick to 3" plank including necessary carving, shaping, wastage, etc., as per approved plan and design.	cum.	120700.00
b	Kodimaram / Dwajasthambam stem 9" to 18" dia upto 30 feet height.	cum.	135700.00
c	Temple Chariot Beams, Temple Wooden Uttarams with minimum 9" thick.	cum.	150700.00
4	Supply of Country Wood for making the following items using Illuppai Wood.		
a	Temple Chariot Beams, Temple Wooden Uttarams with minimum 9" to 18" thick.	cum.	95270.00

Sl. No.	Description	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
5	Supply of Country Wood for making the following items using Atthi Wood. Temple God and Goddess Vahanams of required shape and size with ornamental features.		
a	Scantling upto 40cm dia	cum.	31500.00
b	Scantling upto 40cm dia	cum.	45348.00
6	Supply of Country Wood for Temple wood work plank 9" to 15" width and frames upto 6" thick.	cum.	45348.00
7	Supply of Country Wood for making the following items using Mavili Wood upto 40cm dia.		
a	Temple God and Goddess Vahanams of required shape and size with ornamental features.	cum.	45348.00
8	Supply of cut stone for carrying out Garpagraham, Arthamandapam, Maha Mandapam, Thirumathil and other Temple Structures upto 10 feet length		
a	Thirumathil (Compound Wall)	cum.	12400.00
b	Pillar (Column)	cum.	14000.00
c	Uthiram (Beam)	cum.	14000.00
d	Pavukkal (Ceiling Stone)	cum.	14000.00
e	Nilaikal (Door Frame)	cum.	14000.00
9	Supply of cut stone for carrying out Garpagraham, Arthamandapam, Maha Mandapam, Thirumathil and other Temple Structures above 10 Feet length upto 14 feet length.		
a	Pillar (Column)	cum.	16800.00
b	Uthiram (Beam)	cum.	16800.00
c	Pavukkal (Ceiling Stone)	cum.	16800.00
d	Nilaikal (Door Frame)	cum.	16800.00
III	RATES OF WORKS		
1	Scaffolding charges for Vimanams and Gopurams with casurina posts coconut or palm trees wherever necessary for main, form work and providing with net lawn / PVC mesh coverings, providing ladder arrangements, country wood plank for working, inspection etc. complete, hire charges only for erection, maintenance and removing the same on completion of the work.		
a	Vimanam / Gopuram upto 15' - 0' height	sqm.	232.00
b	Vimanam / Gopuram upto 25' - 0' height	sqm.	311.00
c	Gopurams upto 50' - 0' height	sqm.	397.00

Sl. No.	Description	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
d	Gopurams upto 75' - 0' height	sqm.	497.00
e	Gopurams upto 100' - 0' height	sqm.	596.00
f	Gopurams upto 150' - 0' height	sqm.	729.00
2	Labour Charges for Old Stone Removing: Chitranvanam, Padma Jagati, Adhistanam, Kandan, Pattiyal, Jagati, Kumudagam, Aswapadam, Sthamaba, Sthambam, Kalasam, Thadi, Kudam, Palagai, Veerakandan, Bodhiyal, Uthiram, Kambu, Eludham, Kabothagam, Viyalam, Koodu, Ull Vari, Pavukkal, Thun, Flooring, Nilaikal, Bodhiyal Thani, Uthiram.	sqm.	1422.00
3	Labour Charges for Old Stone Removing: Thanithun, Uthiram, Bodhiyal.	cum.	4667.00
4	Labour Charges for Old Stone Fixing: Chitranvanam, Padma Jagati, Adhistanam, Kandan, Pattiyal, Jagati, Kumudagam.	sqm.	2135.00
5	Labour Charges for Old Stone Fixing: Aswapadam, Sthamaba, Sthambam, Kalasam, Thadi, Kudam, Palagai, Veerakandan, Bodhiyal, Uthiram, Kambu, Eludham, Kabothagam, Viyalam, Koodu, Ull Vari, Pavukkal, Thun, Flooring, Nilaikal, Bodhiyal Thani, Uthiram.	sqm.	2846.00
NOTE:			
1	The Basic Rate adopted under this Head, "Annexure-IX - Rates of Labour, Rates of Materials and Rates of Works - Exclusively for Temple Works" is exclusive of all taxes and GST.		


**Engineer-in-Chief (Buildings) &
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Chennai Region, Chennai-5.**


13/9/2021

ANNEXURE-IX

RATES OF ITEMS IN RESPECT OF HIGHWAYS DEPARTMENT

Sl. No.	Description of Item	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
1	Supplying and installation of STRIP SEAL EXPANSION JOINT system conforming to specifications for road and bridge works in the 40mm wide expansion gap provided in between decks over piers and in between deck and dirt wall over abutment with fatigue tested structural steel section at the nosing and anchorage assembly, including labour, equipment and incidental charges for fixing the joints complete in all respects, as per section 2600 of MORT & H specification (V Revision)	RM	12400.00
2	Supplying and fixing 300mm wide PVC EXPANSION JOINT in the 20mm expansion gap provided in between decks over piers and in between deck and dirt wall over abutment as shown in the drawing including cost and conveyance of expansion joints including shalimar pad and joint sealant etc., complete	RM	580.00
3	Supplying and fixing GI DRAINAGE SPOUTS 100mm dia as per GOI drawing SD/205 with grating arrangements at top as shown in the drawing and 100mm dia drainage spout projecting atleast 300mm beyond the bottom of deck slab as shown in the drawing, including cost and conveyance of Galvanised iron pipes and flats and fixing them in position, etc., complete as per cl 2705 of MORT&H specification. (V Revision)	Each	2216.00
4	Supplying and fixing KRAFT PAPER for full width of seating of deck slab and including cost and conveyance to worksite, labour for fixing the same in correct position and all other incidental charges etc., complete.	sqm.	100.00
5	Supplying and Fixing of ELASTOMERIC BEARING as shown in the drawing including cost and conveyance to work site, labour for fixing the bearing in position and all other incidental charges etc., complete as per section 2000 of MORT & H specification. (V Revision)	cu.cm.	1.58
6	Supply of NP3 Class RCC Pipe conforming to IS 458/2003 including cost of pipe as a finished work including all other incidental charges, testing charges including loading, unloading, transport and delivery in good condition at work site etc., complete, as directed by the Departmental Officers, as per standard specifications.		
a	1200mm dia	RM	5548.00
b	1000mm dia	RM	3794.00

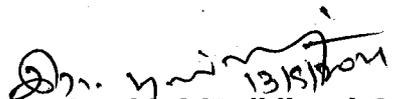
Sl. No.	Description of Item	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
c	900mm dia	RM	3390.00
7	Hoisting and fixing of NP3 Class RCC Pipe and Collars in proper gradient including all labour charges and all other incidental charges etc., complete, as directed by the Departmental Officers, as per standard specifications.		
a	1200mm dia	RM	254.00
b	1000mm dia	RM	240.00
c	900mm dia	RM	208.00
NOTE:			
1	The Basic Rate adopted under this Head, "Annexure-X - Rates of Items in respect of Highways Department" is exclusive of all taxes and GST.		


**Engineer-in-Chief (Buildings) &
Chief Engineer (Buildings), PWD,
Chennai Region, Chennai-5.**


13/9/2021

ANNEXURE-X
RATES OF HIRE CHARGES FOR TOOLS AND PLANTS

Sl. No.	Description of Machineries	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
HIRE CHARGES			
1	Power Roller / Road Roller	Each	985.00
2	Tipper 10 Tonnes	Each	1307.00
3	Loader	Each	1452.00
4	Paver Finisher	Each	2940.00
5	Vibrator Roller 8-10 Tonne	Each	6531.00
6	Mini Hot Mix Plant 6 / 10	Each	2022.00
7	Water Sprinkler	Each	1383.00
8	Wet Mix Plant 75 Ton Capacity	Each	10767.00
9	Electrical Generating Set 125 KVA	Each	6188.00
10	Water Tank 6 KL Capacity (GSB)	Each	2395.00
11	Motor Grader 110 HP	Each	16152.00
12	Tractor - Rotovator	Each	3382.00
13	Water Tanker (WMM)	Each	1028.00
14	Base Mix Plant (Pug Mill)	Each	8037.00
15	Central Hot Mix Plant	Each	11604.00
16	Bitumen Boiler	Each	247.00
17	Tractor with Dozer	Each	5376.00
18	JCB	Each	6272.00
19	Dewatering Pump with Engine	Each	2103.00
20	Ajax Self Loading Concrete Mixer	Each	8960.00
NOTE:			
1	The Basic Rate adopted under this Head, "Annexure-XI - Rates of Hire Charges for Tools and Plants" is exclusive of all taxes and GST.		
2	The Basic Rate adopted under this Head, "Annexure-XI - Rates of Hire Charges for Tools and Plants" is calculated for per day of 8 hours basis.		


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ANNEXURE-XI

RATES OF HIRE CHARGES FOR PLANTS & MACHINERIES

Sl. No.	Description of Machineries	Unit	Basic Rate approved for the year 2021-2022 (w.e.f. 13.09.2021)
1	Pumping charges of concrete including hire charges of pump, piping work and accessories etc.	cum.	233.00
2	Carriage of concrete by Transit Mixer	Km. / cum.	33.00
3	Cutting Saw Machine	Day	1498.00
4	Concrete Joint Cutting Machine	Day	999.00
5	Air Compressor 250 cfm. with two leads for Pneumatic Cutters / Hammers	Day	1776.00
6	Excavation of diaphragm wall by Mechanical Grab	Day	1443.00
7	Hire and running charges of Bentonite Pump	Day	3885.00
8	Hire and running charges of Crane 20 Tonne capacity	Day	7770.00
9	Hire and running charges of Crane 40 Tonne capacity	Day	8880.00
10	Hire and running charges of Crane 80 Tonne capacity	Day	16650.00
NOTE:			
1	The Basic Rate adopted under this Head, "Annexure-XIII - Rates of Hire Charges for Plants & Machineries" is exclusive of all taxes and GST.		
2	The above hire charges includes cost of services of operating staff, cost of lubricating oil, diesel / petrol / Kerosene and other consumables for running the plant and machinery.		
3	The hire charges of plant machinery on per day basis are for single shift of EIGHT working hours.		


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