Nataraja

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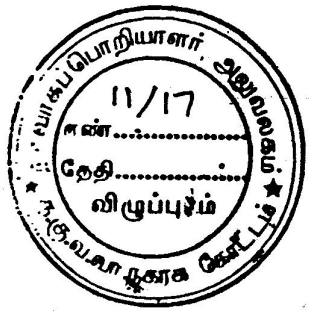



STANDARD SCHEDULE OF RATES FOR THE YEAR 2011 -2012

Kalanchi -
9443080165

PROCEEDINGS OF THE ENGINEERING DIRECTOR, TWAD BOARD, HEAD OFFICE, CHEPAUK, CHENNAI-5.

PRESENT : Er.G.Sankarasubramanian, M.Tech
ENGINEERING DIRECTOR

Proc.No. 3597/DO /COM/2011/dt. 20.07.2011
****

Sub: TWAD Board – Schedule of rates for 2011-2012 – State Level Technical Committee – rates finalized – Communicated – reg.

Ref: 1. E.D, TWAD Board, Head Office, Chennai-5 Proc.No.0232/DO/ COM /2010/dt. 28.04.2010.
2. Minutes of the State Level Technical Committee Meeting held on 14.07.2011 & 15.07.2011 at TWAD Board, Head Office, Chennai-5.

***

In the reference first cited, a copy of the approved schedule of rates of TWAD Board for the year 2010-11 was communicated to all the Chief Engineers, Superintending Engineers, Executive Engineers of TWAD Board for adoption.

Necessary proposals were called for, for the revision of rates for adoption during 2011-2012. The proposals received were placed before the State Level Technical Committee meeting held on 14.07.2011 & 15.07.2011 at TWAD Board, Head Office for discussion and taking decision. The State Level Technical Committee after detailed discussion approved the proposals with certain recommendations.

Based on the recommendations of State Level Technical Committee a draft schedule of rates for 2011-2012 were prepared and approved by the Committee.

The copy of the approved schedule of rates of TWAD Board for the year 2011-2012 is communicated to all the Chief Engineers, Superintending Engineers and Executive Engineers of TWAD Board for adoption **from 20.07.2011** onwards.

The Chief Engineers, Superintending Engineers, and Executive Engineers are requested to acknowledge the receipt of this proceeding along with the enclosures.

Encl: One booklet of TWAD Board
Schedule of rates for 2011-2012

Sd/-
Engineering Director,
TWAD Board, Chennai.5

To
All the Chief Engineers / Superintending Engineers /Executive Engineers of TWAD Board.
All the Joint Chief Engineers of Head Office, TWAD Board.

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD STANDARD SCHEDULE OF RATES FOR THE YEAR 2011 –2012

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GENERAL NOTES

I. GENERAL NOTES

1. For items not covered in the schedule of rates, the Superintending Engineer can fix the rates based on the lowest sealed quotations duly observing all the departmental formalities under intimation to the concerned Chief Engineer and Head Office.

2. 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.

3. 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 Chennai Corporation limit & belt area of 32 km around Chennai Corporation, Madurai Corporation limits, 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 the Rates of Labour, Rates of Materials, Rates of Works, Conveyance Charges and Head Load shall be allowed for works in **Reserve Forest Areas.**

V. 5 times over the basic rates for earthwork excavation for both rural and urban areas is allowed for putting trial pits.

VI. For individual footings of the service reservoirs, valve pits double the relevant rate for earthwork excavation is allowed.

VII. An extra 5% is allowed for laying of sewers under UGSS for earthwork excavation alone below 4m depth.

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 **"Conveyance table", 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 work, 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 work 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 work, 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, Sivanmalai Hills and Palamalai Hills in Periyanaickenpalayam union and Periya kombai Hills (Pillur Hills area) in Karamadai union** an extra 20% on the rates of labour, rates of materials, rates of work and head load shall be allowed.

v) **For works in Western Ghats** of 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 on the Rates of Materials 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 works at Lower Camp above Kuruvanthu Bridge, Bodi Hills, Cumbam mettu, Sirumalai, Pachai Kamatchi Hills, Palani Hills, Thiruparankundram Hills, Idumban Hills, Megamalai Panchayat and Thummakundu Panchayat in Dindugal,Madurai and Theni Districts.

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 Kairayan 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, Naickerneri Hills in Thiruvannamalai District and Vellore District.

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, Kattugudipatti, 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 and 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** Trichy, Karur and Perambalur Districts.

5. ISLANDS in Ramanathapuram District:

a. For works in Rameswaram Island:

An extra 25% on the Rates of Labour, Rate 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. TUNNELS:

An extra 15% on the Rates of Labour and Rates of Works shall be allowed for works inside Tunnels.

7. DAM SITES UNDER HANGING CONDITION (Other than Periyar Dam Site)

An extra 75% on the Rates of Labour employed for the items of works, which may have to be executed **by hanging from the top of Dam through slings (or) rope ladders to work in dizzy height. (This will apply only for maintenance and repair works).**

8. 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 "Rates of other construction materials" and "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.

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.

7. LEAD:

District-wise average lead may be approved by the Regional Chief Engineers based on the approved quarry by the PWD.

STATEMENT SHOWING THE EXTRA PERCENTAGE ALLOWABLE AS PER GENERAL NOTE TO SCHEDULE OF RATES FOR THE YEAR 2011-2012

Sl. No	Area	Percentage extra allowable on				
		Labour	Material	Rate of work (where human labour involved)	Conveyance	Head load
1	For works in Chennai Corporation limits and belt area of 32 KM around Chennai Corporation, Madurai Corporation limits, 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, Sivanmalai Hills and Palamalai Hills in Periyanaikenpalayam Union and Periyakombai Hills (Pillur Hills area) in Karamadai Union.	20%	20%	20%	--	20%
v.	For works at Western Ghats of Virudhunagar, Coimbatore, Tirunelveli and Kanyakumari Districts.	20%	20%	20%	--	20%
	In Madurai, Theni & 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%	--	--	--	--
x	For works at Lower camp above Kuruvanthu Bridge, Bodi hills, Cumbum 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, Yercadu, Sub - Taluk, Boothamalai, Aranuthumalai, Sarugumalai and Tiruchengodu Hills in Salem & 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 Thiruannamalai and Vellore Districts.	40%	25%	40%	--	40%
xv.	For works at Piranmalai covering Oduvarpatti,Kattugudi-patti,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 in viz., Upputhannee, Puleevilaichallai, 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, Kasvar, Karaichalli and Vilankurichi Islands in Thoothukudi District.	125%	125%	125%	125%	125%
6	**TUNNELS**					
i	Where human labour alone is involved	15%	-	15%	-	-
7	**DAM SITES UNDER HANGING CONDITION**					
i.	For works at dam sites other than Periyar Dam site, which may be executed by hanging from top of dam through slings or rope ladders to work in dizzy height.	75%	-	-	-	-

RATES FOR LABOUR

TWAD BOARD
II. RATES FOR LABOUR

Schedule Item No.	Description	Unit	Rate in Rupees.
1	Driller	Day	225.00
2	Assistant Driller	Day	185.00
3	Special heavy labour for driving sheet pile	Day	225.00
4	Boring Attendant	Day	165.00
5	Water Meter Reader	Day	157.00
6	Helper for Rig	Day	165.00
7	a. Electrician with LEE/DEE and 'C' certificate	Day	288.00
	b. Electrician with LEE/ DEE	Day	275.00
	C. Electrician with ITI and 'C' Certificate	Day	247.00
	d. Electrician with ITI 'and B' Certificate	Day	225.00
	e. Electrician with ITI	Day	225.00
8	a. Pump Operator with ITI	Day	225.00
	b. Pump Operator without ITI	Day	192.00
9	Laboratory Attender SSLC/ 10th Std passed	Day	157.00
10	a. Filter Bed Operator with D.M.E.	Day	275.00
	b. Filter Bed Operator with ITI	Day	225.00
	c. Filter Bed operator without I.T.I.	Day	192.00
11	Cleaner for Treatment Unit, Pump and vehicles	Day	157.00
12	Boring Mechanic for Hand Boring set	Day	192.00
13	Turn Cock (Experience in pipe line Operation and maintenance	Day	157.00
14	Fitter (Pipe laying / Bar bending) I class	Day	211.00
15	Fitter (Pipe laying / Bar bending) II class	Day	196.00
16	Sewer Cleaner	Day	157.00
17	Store Attender SSLC /10th Std Passed	Day	157.00
18	Drivers and well sinkers	Day	288.00
19	Hammer Man (Geophysical survey)	Day	157.00
20	Geological Assistant	Day	231.00
21	Maintenance Assistant	Day	165.00
22	Plant Operator, SSLC passed with 3 years experience	Day	185.00
23	Reverse Osmosis (R.O.) Plant Operator SSLC passed with 3 years experience	Day	225.00
24	Mechanic withITI	Day	225.00
25	a. Carpenter I class	Day	237.00
	b. Carpenter II class	Day	218.00

Schedule Item No.	Description	Unit	Rate in Rupees.
26	a. Cleaner I Gr.	Day	128.00
	b. Cleaner II Gr.	Day	120.00
27	a. Fitter I class	Day	215.00
	b. Fitter II class	Day	200.00
28	Floor Polisher	Day	188.00
29	Gardener	Day	143.00
30	Head Mazdoor for well sinking	Day	158.00
31	a. Driver (Light duty)	Day	188.00
	b. Driver (Heavy duty)	Day	200.00
32	Jumper Mazdoor	Day	143.00
33	a. Maistry/ Road Inspector & Work Inspector	Day	181.00
	b. Maistry /Road Inspector & Work Inspector (Degree holder)	Day	200.00
34	a. Mason for brick work - I class	Day	243.00
	b. Mason for brick work - II class	Day	218.00
35	a. Mason for stone work - I class	Day	243.00
	b. Mason for stone work - II class	Day	218.00
36	a. Mazdoor Category I	Day	153.00
	b. Mazdoor Category II	Day	138.00
	c. Head Mazdoor	Day	158.00
37	a. Mopla - I class	Day	187.00
	a. Mopla - II class	Day	173.00
38	a. Painter/Varnisher-I Class	Day	196.00
	b. Painter/Varnisher-II Class	Day	181.00
39	Pile Driver	Day	173.00
40	a. Plumber I class	Day	211.00
	b. Plumber II class	Day	196.00
41	Pump Driver	Day	158.00
42	a. Stone cutter- I class	Day	187.00
	b. Stone cutter- II class	Day	173.00
43	a. Welder/ Bracer - I Class	Day	187.00
	b. Welder/ Bracer - II Class	Day	173.00
44	Well sinking diver working with Helmet (above two metres depth of water)	Day	218.00

Schedule Item No.	Description	Unit	Rate in Rupees.
	Technical Assistant		
45	a. Technical Assistant Gr.I (BE passed)	Day	312.00
	b. Technical Assistant- Gr.II (Diploma in Engg. Passed/ B.E. failed/ Degree in Geology for ground water works)	Day	280.00
	c. Technical Assistant Gr.III (Diploma in Engg. Failed / ITI (Civil) passed	Day	237.00
46	a. Laboratory Assistant. Gr.I (Post Graduate in Science)	Day	237.00
	b. Laboratory Assistant. Gr.II (Degree in Science / (Degree in Geology for ground water works)	Day	218.00
	c. Laboratory Assistant Grade III (with Degree qualification to work as works clerk)	Day	196.00
47	a. Mazdoor employed for Geological maping	Day	153.00
	b. Mazdoor employed for Pitting Trenching Sampling and drilling works	Day	153.00
	c. Mazdoor employed for Geophysical Investigation works	Day	153.00
	d. Head Mazdoor to supervise exploratory works	Day	161.00
48	Mixer operator (including concrete mixer)	Day	166.00
49	Mixer Driver	Day	158.00
50	Compressor Operator	Day	166.00
51	Computer Operator		
	a. Gr.I B.E. (Computer Science/ M.Sc (Computer Science)	Day	312.00
	b. Gr.II B.Sc., (Computer Science)/Diploma in Computer Science	Day	280.00
52	Stone & Crusher Operator	Day	166.00
53	Heavy Mazdoor	Day	166.00
54	Wireman Gr.I/ Electrician Gr.I	Day	212.00
55	Wireman Gr.II/ Electrician Gr.II	Day	200.00
56	Electrical Helper	Day	151.00
57	Lab. Attendant	Day	135.00
58	Electrical Maistry	Day	231.00
59	Axe Mazdoor	Day	143.00
60	Blacksmith - 1st class	Day	188.00
61	Blacksmith - 2nd class	Day	173.00
62	Boat Mazdoor	Day	158.00
63	Bullocks pair with driver (with bandy)	Day	280.00

Schedule Item No.	Description	Unit	Rate in Rupees.
64	Bullocks Single with driver (with bandy)	Day	203.00
65	Caulker	Day	158.00
66	Ferry Mazdoor	Day	158.00
67	Hammer Mazdoor	Day	151.00
68	Mechanic 1st class	Day	188.00
69	Mechanic 2nd class	Day	173.00
70	Navagonies or Javali Man - 1st class	Day	158.00
71	Sawyer	Day	173.00
72	Smith 1st class	Day	187.00
73	Smith 2nd class	Day	173.00
74	Sprayer Mazdoor (for bitumen, tar etc.,)	Day	143.00
75	Syrang-1st class	Day	187.00
76	Syrang-2 nd class	Day	173.00
77	Thatcher	Day	151.00
78	Tinker 1 st class	Day	151.00
79	Tinker 2 nd class	Day	143.00
80	Turner 1 st class	Day	173.00
81	Turner 2 nd class	Day	158.00
82	Time Keeper Ist class	Day	187.00
83	Time Keeper 2nd class	Day	173.00
84	Well Diver for removing silt - 1 st class	Day	187.00
85	Well Diver for removing silt - 2nd class	Day	173.00
86	Well sinker - 1st class	Day	211.00
87	Well sinker - 2nd class	Day	196.00
88	Wodder	Day	158.00
89	Cinema Operator (ITI Passed)	Day	196.00
90	B.Sc., (Agriculture) Passed	Day	280.00
91	Irrigation Community Organiser Grade I B.E(Agri) passed/B.Sc.,(Agri)Passed/PG (Geology) & Rural Development	Day	300.00
92	Irrigation Community Organiser Grade II B.E(Agri) failed / B.Sc.,(Agri)failed /Diploma in Agri. Passed)	Day	250.00
93	Heat Master Operator	Day	158.00
94	Raker	Day	158.00
95	Lift Operator	Day	181.00
96	Sound Service Operator	Day	151.00

RATES FOR MATERIALS

1.0 PVC PIPE WITH EXCISE DUTY AS PER IS 4985 / 2000

Sl. No	Description	Unit	Rate for 2011-12 in Rupees			
			I Quarter	II Quarter	III Quarter	IV Quarter
I	**4KSC**					
1	63mm	Metre	38.00	40.50		
2	75mm	Metre	52.50	56.00		
3	90mm	Metre	74.00	78.50		
4	110mm	Metre	107.50	114.50		
5	125mm	Metre	139.00	148.00		
6	140mm	Metre	173.50	185.00		
7	160mm	Metre	227.00	241.50		
8	180mm	Metre	290.50	309.00		
9	200mm	Metre	357.50	380.50		
10	225mm	Metre	459.00	488.50		
11	250mm	Metre	558.00			
12	280mm	Metre	812.00			
13	315mm	Metre	895.50			
II	**6KSC**					
1	50mm	Metre	32.50	34.50		
2	63mm	Metre	52.50	56.00		
3	75mm	Metre	74.00	78.50		
4	90mm	Metre	108.00	115.00		
5	110mm	Metre	153.50	163.50		
6	125mm	Metre	204.00	217.50		
7	140mm	Metre	252.00	269.00		
8	160mm	Metre	325.00	345.50		
9	180mm	Metre	416.50			
10	200mm	Metre	520.00			
11	225mm	Metre	664.00			
12	250mm	Metre	825.50			
13	280mm	Metre	1037.50			
14	315mm	Metre	1318.00			
III	**10KSC**					
1	50mm	Metre	52.00	55.50		
2	63mm	Metre	81.50	87.00		
3	75mm	Metre	116.50	124.00		
4	90mm	Metre	165.00	175.50		
5	110mm	Metre	245.00	260.50		
6	125mm	Metre	317.50	337.50		
7	140mm	Metre	397.50	423.00		
8	160mm	Metre	521.00	554.50		
9	180mm	Metre	655.00			
10	200mm	Metre	840.00			
11	225mm	Metre	1067.00			
12	250mm	Metre	1320.00			
13	280mm	Metre	1654.00			
14	315mm	Metre	2093.50			

Note : The rates are inclusive of all taxes, duties and transportation charges anywhere in Tamilnadu. Excise Duty-10.30%, VAT-5%.

1.1 PVC PIPE WITHOUT EXCISE DUTY AS PER IS 4985/2000

Sl. No	Description	Unit	Rate for 2011-12 in Rupees			
			I Quarter	II Quarter	III Quarter	IV Quarter
I	4KSC					
1	63mm	Metre	34.00			
2	75mm	Metre	48.00			
3	90mm	Metre	65.50			
4	110mm	Metre	95.50			
5	125mm	Metre	124.00			
6	140mm	Metre	154.00			
7	160mm	Metre	202.00			
8	180mm	Metre	258.50			
9	200mm	Metre	318.50			
10	225mm	Metre	410.00			
11	250mm	Metre	500.00			
12	280mm	Metre	631.00			
13	315mm	Metre	801.00			
II	6KSC					
1	50mm	Metre	28.00			
2	63mm	Metre	48.00			
3	75mm	Metre	65.50			
4	90mm	Metre	95.00			
5	110mm	Metre	136.50			
6	125mm	Metre	181.00			
7	140mm	Metre	226.00			
8	160mm	Metre	291.50			
9	180mm	Metre	369.50			
10	200mm	Metre	464.00			
11	225mm	Metre	595.00			
12	250mm	Metre	740.50			
13	280mm	Metre	932.00			
14	315mm	Metre	1178.50			
III	10KSC					
1	50mm	Metre	46.50			
2	63mm	Metre	73.50			
3	75mm	Metre	104.00			
4	90mm	Metre	147.50			
5	110mm	Metre	219.50			
6	125mm	Metre	284.50			
7	140mm	Metre	353.50			
8	160mm	Metre	463.50			
9	180mm	Metre	584.50			
10	200mm	Metre	751.00			
11	225mm	Metre	953.50			
12	250mm	Metre	1180.50			
13	280mm	Metre	1480.50			
14	315mm	Metre	1872.50			

Note : The rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu. .

1.2 PVC CASING PIPE with Excise Duty AS PER IS 12818 / 1992

Sl. No	Description	Unit	Rate for 2011-12 in Rupees			
			I Quarter	II Quarter	III Quarter	IV Quarter
1	150mm CS	Metre	405.00	432.50		475.50
2	150mm CM	Metre	487.50	518.50		575.00
3	150mm RS	Metre	580.50	620.50		678.00
4	200mm CS	Metre	747.50	798.00		875.50
5	200mm CM	Metre	887.50	944.50		1047.00
6	200mm RS	Metre	1061.50	1135.00		1239.00
7	300mm CS	Metre	972.00	1016.50		
8	300mm CM	Metre	1839.50	1955.50		
9	300mm RS	Metre	1997.00	2121.00		

Note : The rates are inclusive of all taxes, duties and transportation charges anywhere in Tamilnadu. Excise Duty-10.30%, VAT-5%.

1.3 PVC CASING PIPE without Excise Duty AS PER IS 12818 / 1992

Sl. No	Description	Unit	Rate for 2011-12 in Rupees			
			I Quarter	II Quarter	III Quarter	IV Quarter
1	150mm CS	Metre	345.50			
2	150mm CM	Metre	412.50			
3	150mm RS	Metre	495.00			
4	200mm CS	Metre	638.50			
5	200mm CM	Metre	748.50			
6	200mm RS	Metre	906.00			
7	300mm CS	Metre	815.00			
8	300mm CM	Metre	1561.00			
9	300mm RS	Metre	1696.50			

Note : The rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu. .

CS - Casing Shallow depth up to 80m
CM - Casing Medium depth 81m to 250m
RS - Ribbed screen pipe

1.4 UPVC- non pressure pipes as per IS 15328/2003

Sl No.	Description	Unit	Rate for 2011- 12 in Rupees	
			With Excise duty	Without Excise duty
I	SN8-SDR 34(S 16.5)			
1	110mm	Metre	160.00	147.00
2	125mm	Metre	216.00	199.00
3	160mm	Metre	343.00	316.00
4	200mm	Metre	534.00	493.00
5	250mm	Metre	826.00	764.00
6	315mm	Metre	1309.00	1210.00
7	400mm	Metre	2104.00	1944.00
II	SN4-SDR 41(S 20)			
1	125mm	Metre	184.00	147.00
2	160mm	Metre	292.00	199.00
3	200mm	Metre	447.00	316.00
4	250mm	Metre	703.00	493.00
5	315mm	Metre	1101.00	764.00
6	400mm	Metre	1774.00	1210.00
III	SN2-SDR 51(S 25)			
1	160mm	Metre	236.00	218.00
2	200mm	Metre	362.00	333.00
3	250mm	Metre	563.00	520.00
4	315mm	Metre	891.00	823.00
5	400mm	Metre	1423.00	1315.00

Note: The above rates are inclusive of all taxes , duties and transportation charges anywhere in Tamilnadu.Excise duty at 10.30% and VAT at 5%.

1.5 PVC SPECIALS AS PER IS

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	2	3	4
	PVC THREADED COUPLER		
1	63 mm x 50 mm	Each	23.00
2	75 mm x 50 mm	Each	37.00
3	90 mm x 80 mm	Each	50.00
4	110 mm x 100 mm	Each	87.00
5	140 mm x 125 mm	Each	126.00
	UNEQUAL TEE		
1	63 mm x 50 mm	Each	37.00
2	75 mm X 50 mm	Each	76.00
3	90 mm x 50 mm	Each	108.00
4	90 mm x 63 mm	Each	108.00
5	90 mm x 75 mm	Each	108.00
6	110 mm x 50 mm	Each	163.00
7	110mm x 63 mm	Each	163.00
8	110 mm x 90mm	Each	163.00
9	140mm x 50 mm	Each	271.00
10	140 mm x 63 mm	Each	271.00
11	140 mm x 90 mm	Each	271.00
12	140 mm x 110 mm	Each	277.00
13	160 mm x 50 mm	Each	331.00
14	160 mm x 63 mm	Each	331.00
15	160 mm x 90 mm	Each	331.00
16	160 mm x 110mm	Each	331.00
17	160 mm x140 mm	Each	331.00
	PVC REDUCER COUPLER		
1	63 mm x 50 mm	Each	18.00
2	75 mm x 63 mm	Each	25.00
3	90 mm x 63 mm	Each	39.00
4	90 mm x 75 mm	Each	39.00
5	110 mm x 63 mm	Each	53.00
6	110 mm x 75 mm	Each	53.00
7	110 mm x 90 mm	Each	68.00
8	140 mm x 63 mm	Each	78.00
9	140 mm x 90 mm	Each	79.00
10	140 mm x 110 mm	Each	82.00
11	160 mm x 110 mm	Each	128.00
12	160 mm x 140 mm	Each	138.00

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
	PVC REDUCER MULTI STAGE		
1	90 mm x 63 mm	Each	56.00
2	110 mm x 63 mm	Each	110.00
3	110 mm x 75 mm	Each	110.00
4	110 mm x 90 mm	Each	124.00
5	140 mm x 90 mm	Each	125.00
	PVC REDUCER FABRICATED		
1	75 mm x 63 mm	Each	34.00
2	90 mm x 75 mm	Each	51.00
3	110 mm x 90 mm	Each	78.00
4	140 mm x 110 mm	Each	125.00
5	160 mm x 140 mm	Each	190.00
	SADDLE PIECE		
1	63 mm x 20 mm	Each	50.00
2	75 mm x 20 mm	Each	62.00
3	90 mm x 20 mm	Each	70.00
4	110 mm x 20 mm	Each	80.00
5	140 mm x 20 mm	Each	124.00
6	160 mm x 20 mm	Each	162.00

Note: The above rates are inclusive of all taxes, duties and transportation charges anywhere in Tamilnadu.Excise duty 10.30% and VAT 5%.

1.5 PVC SPECIALS AS PER IS cont..

Sl. No.	Description	Rate for 2011-12 in Rupees											
		20mm	25mm	32mm	40mm	50mm	63mm	75mm	90mm	110mm	140mm	160mm	200mm
1	PVC Couplers fabricated 4 KSC	-	-	-	-	7.00	13.00	16.00	21.00	41.00	81.00	103.00	174.00
2	PVC Couplers fabricated 6 KSC	-	-	-	-	13.00	16.00	18.00	28.00	43.00	95.00	137.00	281.00
3	PVC Bends fabricated 4 KSC	-	-	-	-	19.00	26.00	44.00	67.00	85.00	268.00	436.00	827.00
4	PVC Bends fabricated 6 KSC	-	-	-	-	21.00	34.00	59.00	83.00	137.00	360.00	588.00	1191.00
5	PVC Equal Tee Fabricated 4 KSC	-	-	-	-	20.00	25.00	26.00	65.00	110.00	156.00	189.00	235.00
6	PVC Equal Tee Fabricated BIS 10124/1982 PartV 6 KSC	-	-	-	-	27.00	60.00	66.00	109.00	177.00	229.00	245.00	292.00
7	PVC Couplers (Mould) BIS 7834/1975 Part VI	4.00	5.00	6.00	13.00	16.00	28.00	42.00	65.00	92.00	162.00	218.00	337.00
8	PVC Elbow (Mould) BIS 7834/1975 Part VI	5.00	7.00	9.00	17.00	34.00	36.00	54.00	80.00	123.00	206.00	254.00	306.00
9	PVC Equal tee (Mould) BIS 7834/1975	6.00	12.00	17.00	19.00	37.00	67.00	78.00	127.00	203.00	497.00	554.00	691.00
10	PVC Male Threaded Adopter	-	-	-	-	18.00	20.00	21.00	45.00	79.00	121.00	137.00	222.00
11	PVC End Cap	3.00	4.00	6.00	7.00	8.00	16.00	26.00	38.00	60.00	104.00	146.00	223.00
12	PVC Tail piece without flange (BIS marks)	-	-	-	-	20.00	22.00	27.00	40.00	60.00	104.00	149.00	223.00

Note: The above rates are inclusive of all taxes,duties and transportation charges anywhere in Tamilnadu.Excise duty 10.30% and VAT 5%.

2.0 HDPE PIPES - PE 100 with excise duty AS PER IS 4984/1995

Sl No	Description	Unit	Rate for 2011-12 in Rupees			
			I Quarter	II Quarter	III Quarter	IV Quarter
	PN 6					
1	50 mm	metre	40.50			
2	63 mm	metre	59.00			
3	75 mm	metre	87.00			
4	90 mm	metre	122.00			
5	110 mm	metre	178.00			
6	125 mm	metre	230.50			
7	140 mm	metre	291.50			
8	160 mm	metre	379.50			
9	180 mm	metre	479.00			
10	200 mm	metre	590.00			
11	225 mm	metre	734.50			
12	250 mm	metre	919.00			
13	280 mm	metre	1154.00			
14	315 mm	metre	1460.00			
15	355 mm	metre	1850.50			
16	400 mm	metre	2394.00			
17	450 mm	metre	3028.00			
18	500 mm	metre	3744.00			
19	560 mm	metre	4886.50			
20	630 mm	metre	6188.00			
	PN 8					
1	50 mm	metre	48.00			
2	63 mm	metre	76.50			
3	75 mm	metre	108.00			
4	90 mm	metre	156.00			
5	110 mm	metre	230.50			
6	125 mm	metre	298.50			
7	140 mm	metre	374.50			
8	160 mm	metre	488.50			
9	180 mm	metre	613.50			
10	200 mm	metre	759.50			
11	225 mm	metre	963.50			
12	250 mm	metre	1185.00			
13	280 mm	metre	1487.00			
14	315 mm	metre	1881.00			
15	355 mm	metre	2381.00			
16	400 mm	metre	3085.00			
17	450 mm	metre	3872.50			
18	500 mm	metre	4789.00			
19	560 mm	metre	6310.50			
20	630 mm	metre	7952.50			

Sl No	Description	Unit	Rate for 2011-12 in Rupees			
			I Quarter	II Quarter	III Quarter	IV Quarter
	PN 10					
1	50 mm	metre	59.50			
2	63 mm	metre	94.00			
3	75 mm	metre	132.50			
4	90 mm	metre	190.00			
5	110 mm	metre	279.50			
6	125 mm	metre	361.00			
7	140 mm	metre	450.50			
8	160 mm	metre	589.00			
9	180 mm	metre	748.50			
10	200 mm	metre	850.00			
11	225 mm	metre	1163.00			
12	250 mm	metre	1434.50			
13	280 mm	metre	1794.50			
14	315 mm	metre	2274.50			
15	355 mm	metre	2892.00			
16	400 mm	metre	3745.50			
17	450 mm	metre	4727.50			
18	500 mm	metre	5773.50			
19	560 mm	metre	7626.50			
20	630 mm	metre	9664.00			
	PN 12.5					
1	50 mm	metre	74.00			
2	63 mm	metre	114.50			
3	75 mm	metre	163.50			
4	90 mm	metre	235.00			
5	110 mm	metre	347.00			
6	125 mm	metre	447.50			
7	140 mm	metre	563.00			
8	160 mm	metre	733.00			
9	180 mm	metre	928.50			
10	200 mm	metre	1145.50			
11	225 mm	metre	1449.50			
12	250 mm	metre	1783.00			
13	280 mm	metre	2236.50			
14	315 mm	metre	2830.50			
15	355 mm	metre	3594.50			
16	400 mm	metre	4660.00			
17	450 mm	metre	5940.50			
18	500 mm	metre	7432.00			
19	560 mm	metre	9178.50			
20	630 mm	metre	11616.00			

Sl No	Description	Unit	Rate for 2011-12 in Rupees			
			I Quarter	II Quarter	III Quarter	IV Quarter
	PN 16					
1	50 mm	metre	87.00			
2	63 mm	metre	139.50			
3	75 mm	metre	196.50			
4	90 mm	metre	283.00			
5	110 mm	metre	420.50			
6	125 mm	metre	544.50			
7	140 mm	metre	679.50			
8	160 mm	metre	892.00			
9	180 mm	metre	1125.00			
10	200 mm	metre	1388.00			
11	225 mm	metre	1755.50			
12	250 mm	metre	2166.50			
13	280 mm	metre	2715.50			
14	315 mm	metre	3434.00			
15	355 mm	metre	4355.00			
16	400 mm	metre	5646.50			
17	450 mm	metre	7210.50			
18	500 mm	metre	9154.00			

Note: The above rates are inclusive of all taxes, duties and transportation charges anywhere in Tamilnadu.Excise duty 10.30% and VAT 5%.

2.1 HDPE PIPES - PE 100 without excise duty AS PER IS 4984/1995

Sl No	Description	Unit	Rate for 2011-12 in Rupees			
			I Quarter	II Quarter	III Quarter	IV Quarter
PN 6						
1	50 mm	metre	35.00			
2	63 mm	metre	55.50			
3	75 mm	metre	78.00			
4	90 mm	metre	108.50			
5	110 mm	metre	160.00			
6	125 mm	metre	207.00			
7	140 mm	metre	260.00			
8	160 mm	metre	339.00			
9	180 mm	metre	426.50			
10	200 mm	metre	527.00			
11	225 mm	metre	669.00			
12	250 mm	metre	821.00			
13	280 mm	metre	1029.50			
14	315 mm	metre	1303.50			
15	355 mm	metre	1651.00			
16	400 mm	metre	2135.00			
17	450 mm	metre	2700.50			
18	500 mm	metre	3339.00			
19	560 mm	metre	4349.50			
20	630 mm	metre	5506.50			
PN 8						
1	50 mm	metre	43.50			
2	63 mm	metre	69.00			
3	75 mm	metre	97.00			
4	90 mm	metre	139.00			
5	110 mm	metre	207.50			
6	125 mm	metre	266.50			
7	140 mm	metre	333.50			
8	160 mm	metre	436.50			
9	180 mm	metre	550.00			
10	200 mm	metre	677.50			
11	225 mm	metre	859.00			
12	250 mm	metre	1057.50			
13	280 mm	metre	1326.50			
14	315 mm	metre	1679.00			
15	355 mm.	metre	2123.50			
16	400 mm	metre	2752.50			
17	450 mm	metre	3454.50			
18	500 mm	metre	4271.00			
19	560 mm	metre	5614.50			
20	630 mm	metre	7080.00			

Sl No	Description	Unit	Rate for 2011-12 in Rupees			
			I Quarter	II Quarter	III Quarter	IV Quarter
	PN 10					
1	50 mm	metre	54.00			
2	63 mm	metre	83.50			
3	75 mm	metre	119.00			
4	90 mm	metre	169.00			
5	110 mm	metre	250.00			
6	125 mm	metre	322.50			
7	140 mm	metre	401.50			
8	160 mm	metre	525.50			
9	180 mm	metre	668.00			
10	200 mm	metre	759.50			
11	225 mm	metre	1037.50			
12	250 mm	metre	1279.00			
13	280 mm	metre	1602.50			
14	315 mm	metre	2029.00			
15	355 mm	metre	2580.50			
16	400 mm	metre	3341.00			
17	450 mm	metre	4216.50			
18	500 mm	metre	5208.50			
19	560 mm	metre	6788.50			
20	630 mm	metre	8598.50			
	PN 12.5					
1	50 mm	metre	64.00			
2	63 mm	metre	102.50			
3	75 mm	metre	143.50			
4	90 mm	metre	210.00			
5	110 mm	metre	310.50			
6	125 mm	metre	398.50			
7	140 mm	metre	500.00			
8	160 mm	metre	653.50			
9	180 mm	metre	825.00			
10	200 mm	metre	1018.50			
11	225 mm	metre	1290.50			
12	250 mm	metre	1586.00			
13	280 mm	metre	1991.00			
14	315 mm	metre	2521.00			
15	355 mm	metre	3198.50			
16	400 mm	metre	4147.50			
17	450 mm	metre	5287.00			
18	500 mm	metre	6518.00			
19	560 mm	metre	8168.50			
20	630 mm	metre	10336.50			

Sl No	Description	Unit	Rate for 2011-12 in Rupees			
			I Quarter	II Quarter	III Quarter	IV Quarter
PN 16						
1	50 mm	metre	77.50			
2	63 mm	metre	137.00			
3	75 mm	metre	174.50			
4	90 mm	metre	251.00			
5	110 mm	metre	375.00			
6	125 mm	metre	484.00			
7	140 mm	metre.	606.00			
8	160 mm	metre	793.50			
9	180 mm	metre	1001.00			
10	200 mm	metre	1235.00			
11	225 mm	metre	1563.00			
12	250 mm	metre	1928.50			
13	280 mm	metre	2417.00			
14	315 mm	metre	3055.50			
15	355 mm	metre	3876.00			
16	400 mm	metre	5026.00			
17	450 mm	metre	6417.50			
18	500 mm	metre	8123.00			

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu.

2.2 SPECIALS FOR HDPE PIPES AS PER IS

Sl No	Description	Unit	Rate for 2011-12 in Rupees	
			90 Degree Bend	Equal Tee
	PN 6			
1	125 mm	each	206.00	227.00
2	140 mm	each	284.00	313.00
3	160 mm	each	411.00	459.00
4	180 mm	each	574.00	653.00
5	200 mm	each	778.00	870.00
6	225 mm	each	1069.00	1227.00
7	250 mm	each	1456.00	1668.00
8	280 mm	each	2041.00	2319.00
9	315 mm	each	4376.00	3198.00
10	355 mm	each	5860.00	4474.00
11	400 mm	each	8298.00	6542.00
12	450 mm	each	11008.00	9287.00
13	500 mm	each	17394.00	17494.00
14	560 mm	each	21500.00	21867.00
15	630 mm	each	24921.00	27771.00
	PN 8			
1	125 mm	each	278.00	341.00
2	140 mm	each	372.00	467.00
3	160 mm	each	529.00	676.00
4	180 mm	each	740.00	944.00
5	200 mm	each	1000.00	1260.00
6	225 mm	each	1366.00	1757.00
7	250 mm	each	1838.00	2371.00
8	280 mm	each	2544.00	3276.00
9	315 mm	each	5285.00	4488.00
10	355 mm	each	7536.00	6244.00
11	400 mm	each	11001.00	9054.00
12	450 mm	each	15671.00	12787.00
13	500 mm	each	21494.00	23129.00
14	560 mm	each	30205.00	28958.00
15	630 mm	each	43008.00	36873.00
	PN 10			
1	50 mm	each	47.00	50.00
2	63 mm	each	76.00	75.00
3	75 mm	each	84.00	124.00
4	90 mm	each	141.00	197.00
5	110 mm	each	226.00	306.00
6	125 mm	each	351.00	456.00
7	140 mm	each	458.00	622.00
8	160 mm	each	647.00	893.00
9	180 mm	each	906.00	1235.00
10	200 mm	each	1219.00	1649.00
11	225 mm	each	1662.00	2285.00
12	250 mm	each	2219.00	3072.00

Sl No	Description	Unit	Rate for 2011-12 in Rupees	
			90 Degree Bend	Equal Tee
13	280 mm	each	3046.00	4233.00
14	315 mm	each	6747.00	5777.00
15	355 mm	each	8547.00	8014.00
16	400 mm	each	12540.00	11567.00
17	450 mm	each	16040.00	16286.00
18	500 mm	each	21507.00	28765.00
19	560 mm	each	36514.00	48551.00
20	630 mm	each	52059.00	69194.00
	PN 12.5			
1	125 mm	each	410.00	584.00
2	140 mm	each	572.00	824.00
3	160 mm	each	819.00	1226.00
4	180 mm	each	1136.00	1758.00
5	200 mm	each	1520.00	2408.00
6	225 mm	each	2164.00	3169.00
7	250 mm	each	2764.00	4325.00
8	280 mm	each	3955.00	6095.00
9	315 mm	each	8391.00	8004.00
10	355 mm	each	11102.00	11451.00
11	400 mm	each	15675.00	15312.00
12	450 mm	each	22846.00	28981.00
13	500 mm	each	31312.00	41558.00
14	560 mm	each	43941.00	58342.00
15	630 mm	each	62581.00	83058.00
	PN 16			
1	50 mm	each	77.00	81.00
2	63 mm	each	121.00	119.00
3	75 mm	each	141.00	203.00
4	90 mm	each	217.00	310.00
5	110 mm	each	397.00	564.00
6	125 mm	each	428.00	709.00
7	140 mm	each	599.00	998.00
8	160 mm	each	1040.00	1518.00
9	180 mm	each	1404.00	2172.00
10	200 mm	each	1882.00	2981.00
11	225 mm	each	2678.00	3921.00
12	250 mm	each	3425.00	5361.00
13	280 mm	each	4897.00	7547.00
14	315 mm	each	10391.00	10327.00
15	355 mm	each	13755.00	14783.00
16	400 mm	each	19461.00	25781.00
17	450 mm	each	27732.00	35103.00
18	500 mm	each	38017.00	50352.00

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu. Excise duty at 10.30%.

2.3 JOINTING OF HDPE PIPES

Sl No	Description	Unit	Rate for 2011-12 in Rupees.
1	50 mm	Joint	62.00
2	63 mm	Joint	79.00
3	75 mm	Joint	107.00
4	90 mm	Joint	123.00
5	110 mm	Joint	133.00
6	125 mm	Joint	151.00
7	140 mm	Joint	168.00
8	160 mm	Joint	178.00
9	180 mm	Joint	196.00
10	200 mm	Joint	212.00
11	225 mm	Joint	232.00
12	250 mm	Joint	267.00
13	280 mm	Joint	294.00
14	315 mm	Joint	329.00
15	355 mm	Joint	374.00
16	400 mm	Joint	463.00
17	450 mm	Joint	579.00
18	500 mm	Joint	713.00
19	560 mm	Joint	791.00
20	630 mm	Joint	906.00

3.0 A.C.PRESSURE PIPES AS PER IS 1592 / 2003
(Without Excise Duty)

Sl.No	Description	Unit	Rate for 2011-12 in Rupees
I	**Class 15**		
1	80mm	Metre	169.00
2	100mm	Metre	222.00
3	125mm	Metre	290.00
4	150mm	Metre	417.00
5	200mm	Metre	714.00
6	250mm	Metre	905.00
7	300mm	Metre	1270.00
8	350mm	Metre	1593.00
9	400mm	Metre	2073.00
10	450mm	Metre	2440.00
II	**Class 20**		
1	80mm	Metre	187.00
2	100mm	Metre	282.00
3	125mm	Metre	360.00
4	150mm	Metre	520.00
5	200mm	Metre	908.00
6	250mm	Metre	1164.00
7	300mm	Metre	1639.00
8	350mm	Metre	2069.00
9	400mm	Metre	2701.00
10	450mm	Metre	3231.00

Note: Excise duty shall be charged extra at 10.30% for non fly ash pipes.The above rates are inclusive of Vat at 5% and transportation charges anywhere in Tamilnadu.

3.1 A.C. COUPLER AS PER IS 1592 /2003

(Without Excise Duty)

Sl.No	Description	Unit	Rate for 2011-12 in Rupees
I	**Class 15**		
1	80mm	Each	146.00
2	100mm	Each	186.00
3	125mm	Each	235.00
4	150mm	Each	326.00
5	200mm	Each	462.00
6	250mm	Each	546.00
7	300mm	Each	692.00
8	350mm	Each	881.00
9	400mm	Each	1270.00
10	450mm	Each	1537.00
II	**Class 20**		
1	80mm	Each	149.00
2	100mm	Each	189.00
3	125mm	Each	247.00
4	150mm	Each	347.00
5	200mm	Each	506.00
6	250mm	Each	662.00
7	300mm	Each	861.00
8	350mm	Each	1109.00
9	400mm	Each	1613.00
10	450mm	Each	1971.00

Note: Excise duty shall be charged extra at 10.30% for non fly ash pipes.The above rates are inclusive of Vat at 5% and transportation charges anywhere in Tamilnadu.

3.2 C.I.D.JOINTS AS PER IS 8794 / 1988

Sl.No	Description	Unit	Rate for 2011-12 in Rupees
I	**Class 15**		
1	80mm	Each	293.00
2	100mm	Each	366.00
3	125mm	Each	460.00
4	150mm	Each	590.00
5	200mm	Each	859.00
6	250mm	Each	1120.00
7	300mm	Each	1348.00
8	350mm	Each	2271.00
9	400mm	Each	2831.00
10	450mm	Each	3401.00
II	**Class 20**		
1	80mm	Each	299.00
2	100mm	Each	370.00
3	125mm	Each	497.00
4	150mm	Each	598.00
5	200mm	Each	914.00
6	250mm	Each	1204.00
7	300mm	Each	1175.00
8	350mm	Each	2415.00
9	400mm	Each	2900.00
10	450mm	Each	3425.00

Note:No Excise Duty is applicable on CID Joints.
The above rates are inclusive of Vat at 5% and transportation charges anywhere in Tamilnadu.

4.0 C.I. SPUN PIPES AS PER IS 1536/2001

Sl.No.	Size of pipes	Unit	Rate for 2011 - 12 in Rupees	
			With Excise Duty	Without Excise Duty
I	**LA Class**		**Rs**	**Rs.**
1	80mm	Metre	939.00	867.00
2	100mm	Metre	1138.00	1052.00
3	125mm	Metre	1418.00	1309.00
4	150mm	Metre	1697.00	1567.00
5	200mm	Metre	2475.00	2286.00
6	250mm	Metre	3337.00	3082.00
7	300mm	Metre	4304.00	3976.00
8	350mm	Metre	5534.00	5113.00
9	400mm	Metre	6736.00	6223.00
10	450mm	Metre	8162.00	7541.00
11	500mm	Metre	9687.00	8951.00
12	600mm	Metre	12776.00	11803.00
13	700mm	Metre	16940.00	15650.00
14	750mm	Metre	19020.00	17572.00
II	**A Class**			
1	80mm	Metre	1019.00	941.00
2	100mm	Metre	1252.00	1156.00
3	125mm	Metre	1547.00	1429.00
4	150mm	Metre	1858.00	1717.00
5	200mm	Metre	2688.00	2484.00
6	250mm	Metre	3634.00	3357.00
7	300mm	Metre	4705.00	4347.00
8	350mm	Metre	6003.00	5546.00
9	400mm	Metre	7362.00	6801.00
10	450mm	Metre	8964.00	8282.00
11	500mm	Metre	10553.00	9750.00
12	600mm	Metre	13946.00	12885.00
13	700mm	Metre	18505.00	17097.00
14	750mm	Metre	20721.00	19145.00
III	**B Class**			
1	80mm	Metre	1093.00	1011.00
2	100mm	Metre	1331.00	1231.00
3	125mm	Metre	1666.00	1539.00
4	150mm	Metre	2002.00	1850.00
5	200mm	Metre	2907.00	2685.00
6	250mm	Metre	3930.00	3631.00
7	300mm	Metre	5096.00	4709.00
8	350mm	Metre	6508.00	6013.00
9	400mm	Metre	7947.00	7342.00
10	450mm	Metre	9670.00	8935.00
11	500mm	Metre	11418.00	10550.00
12	600mm	Metre	15109.00	13958.00
13	700mm	Metre	19993.00	18471.00
14	750mm	Metre	22413.00	20706.00

Note:The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu.

Excise Duty at 10.3%

4.1 C.I D/F PIPES AS PER IS 7181/1986 & IS 1537

Sl. No	Size	Unit	Rate for 2011-12 in rupees	
			With Excise Duty	Without Excise duty
I	**STANDARD**			
1	80mm to 200mm	Kg	56.00	51.00
2	250mm to 400mm	Kg	57.00	53.00
3	450mm to 750mm	Kg	58.00	54.00
II	**NON-STANDARD**			
1	80mm to 200mm	Kg	56.00	51.00
2	250mm to 400mm	Kg	57.00	53.00
3	450mm to 750mm	Kg	58.00	54.00

4.2 CI D/F SPECIALS & S/S SPECIALS AS PER IS 1538/1986

Sl. No	Size	Unit	Rate for 2011-12 in Rupees	
			With Excise Duty	Without Excise duty
I	**STANDARD**			
1	80mm to 200mm	Kg	56.00	51.00
2	250mm to 400mm	Kg	57.00	53.00
3	450mm to 750mm	Kg	58.00	54.00
II.	**NON-STANDARD**			
1	80mm to 200mm	Kg	56.00	51.00
2	250mm to 400mm	Kg	57.00	53.00
3	450mm to 750mm	Kg	58.00	54.00

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu.
Excise Duty at 10.3%

5.0 G I PIPES (MEDIUM) AS PER IS 1239/PART I/90

Sl No	Description	Unit	Rate for 2011-12 in Rupees	
			With Excise Duty	Without Excise Duty
1	15mm	metre	78.00	72.000
2	20mm	metre	103.00	95.000
3	25mm	metre	149.00	138.000
4	32mm	metre	188.00	174.000
5	40mm	metre	219.00	202.000
6	50mm	metre	297.00	275.000
7	65mm	metre	380.00	352.000
8	80mm	metre	471.00	435.000
9	100mm	metre	672.00	620.000
10	125mm	metre	964.00	891.000
11	150mm	metre	1077.00	996.000

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu.Excise duty 10.30%.

5.1 G.I. SPECIALS AS PER IS

Sl.No.	Description	Unit	Rates for 2011-12 in Rupees
	GI REDUCER (HEAVY)		
1	100 mm x 80 mm	Each	321.00
2	100 mm x 65 mm	Each	321.00
3	100 mm x 50 mm	Each	321.00
4	80 mm x 65 mm	Each	199.00
5	80 mm x 50 mm	Each	199.00
6	80 mm x 40 mm	Each	199.00
7	80 mm x 32 mm	Each	199.00
8	65 mm x 50 mm	Each	138.00
9	65 mm x 40 mm	Each	138.00
10	65 mm x 32 mm	Each	138.00
11	65 mm x 20 mm	Each	138.00
12	50 mm x 40 mm	Each	75.00
13	50 mm x 32 mm	Each	75.00
14	50 mm x 20 mm	Each	75.00
15	40 mm x 32 mm	Each	50.00
16	40 mm x 20 mm	Each	50.00
	GI REDUCER (MEDIUM)		
1	100 mm x 80 mm	Each	231.00
2	100 mm x 65mm	Each	231.00
3	100 mm x 50 mm	Each	231.00
4	80 mm x 65 mm	Each	128.00
5	80 mm x 50 mm	Each	97.00
6	80 mm x 40 mm	Each	97.00
7	80 mm x 32 mm	Each	97.00
8	65 mm x 50 mm	Each	72.00
9	65 mm x 40 mm	Each	72.00
10	65 mm x 32 mm	Each	72.00
11	65 mm x 20 mm	Each	72.00
12	50 mm x 40 mm	Each	49.00
13	50 mm x 32 mm	Each	49.00
14	50 mm x 20 mm	Each	49.00
15	40 mm x 32 mm	Each	31.00
16	40 mm x 20 mm	Each	31.00
	G I UNEQUAL TEE (HEAVY)		
1	100 mm x 80 mm	Each	623.00
2	100 mm x 65mm	Each	623.00
3	100 mm x 50 mm	Each	623.00
4	80 mm x 65 mm	Each	363.00
5	80 mm x 50 mm	Each	363.00
6	80 mm x 40 mm	Each	363.00
7	80 mm x 32 mm	Each	363.00

Sl.No.	Description	Unit	Rates for 2011-12 in Rupees
8	65 mm x 50 mm	Each	267.00
9	65 mm x 40 mm	Each	267.00
10	65 mm x 32 mm	Each	267.00
11	65 mm x 20 mm	Each	267.00
12	50 mm x 40 mm	Each	159.00
13	50 mm x 32 mm	Each	159.00
14	50 mm x 20 mm	Each	159.00
15	40 mm x 32 mm	Each	100.00
16	40 mm x 20 mm	Each	100.00
17	32 mm x 20 mm	Each	71.00
	G.I UNEQUAL TEE(MEDIUM)		
1	100 mm x 80 mm	Each	353.00
2	100 mm x 65mm	Each	353.00
3	100 mm x 50 mm	Each	353.00
4	80 mm x 65 mm	Each	174.00
5	80 mm x 50 mm	Each	174.00
6	80 mm x 40 mm	Each	174.00
7	80 mm x 32 mm	Each	174.00
8	65 mm x 50 mm	Each	122.00
9	65 mm x 40 mm	Each	122.00
10	65 mm x 32 mm	Each	122.00
11	65 mm x 20 mm	Each	122.00
12	50 mm x 40 mm	Each	72.00
13	50 mm x 32 mm	Each	72.00
14	50 mm x 20 mm	Each	72.00
15	40 mm x 32 mm	Each	51.00
16	40 mm x 20 mm	Each	51.00
17	32 mm x 20 mm	Each	51.00
	MS BOLTS AND NUTS		
1	16 mm dia x 65 to 90 mm length fully threaded bolts and nuts with 2 Nos.	Kg.	60.00
2	20mm dia and above x 90mm to 120mm length fully threaded bolts and with nuts	Kg.	63.00
	RUBBER INSERTION SHEET		
1	3 Ply R.I. Sheet	Kg.	52.00
	AC COWL		
1	80 mm dia	Each	23.00
2	100 mm dia	Each	39.00

Note: The above rates are inclusive of all taxes , duties and transportation charges.Excise duty 10.30% and VAT at 5%.

5.1 G.I. SPECIALS AS PER IS CONTINUED

Sl. No.	Description	Rate for 2011-12 in Rupees								
		15mm	20mm	25mm	32mm	40mm	50mm	65mm	80mm	100mm
1	G.I. Equal Elbow plain	16.00	21.00	31.00	51.00	65.00	99.00	177.00	261.00	469.00
2	G.I. Equal Tee plain	23.00	29.00	41.00	60.00	89.00	147.00	285.00	328.00	586.00
3	G.I. Coupling	13.00	14.00	19.00	34.00	51.00	77.00	136.00	162.00	325.00
4	G.I. Flange set	--	--	--	--	--	48.00	58.00	65.00	109.00
5	G.I. Cross	35.00	44.00	70.00	114.00	148.00	223.00	358.00	545.00	717.00
6	G.I. Hex Nipple	13.00	24.00	24.00	37.00	49.00	66.00	117.00	161.00	239.00
7	G.I.Three Way Elbow	35.00	46.00	67.00	107.00	140.00	224.00	--	--	--
8	G.I.plug Dia Head Taper Threa	7.00	12.00	12.00	22.00	22.00	41.00	57.00	81.00	114.00
9	G.I.Bend	14.00	24.00	37.00	46.00	60.00	90.00	168.00	232.00	408.00
10	G.I.Union	43.00	44.00	73.00	103.00	131.00	187.00	367.00	488.00	726.00
11	G.M. Ferrule	227.00	341.00	502.00	--	--	--	--	--	--
12	G.I.stop cock	108.00	144.00	261.00	391.00	582.00	840.00	1112.00	1416.00	2240.00
13	Rubber sheet for Flange set	--	--	--	--	--	9.00	9.00	12.00	--
14	G.I. Reduced Elbow Plain	19.00	21.00	35.00	55.00	73.00	108.00	193.00	290.00	501.00
15	G.I.Reduced Tee Plain	25.00	34.00	50.00	75.00	99.00	146.00	260.00	348.00	655.00
16	G.I. Reduced Socket Plain	14.00	35.00	38.00	45.00	86.00	102.00	146.00	194.00	276.00
17	G.I. Check Nut	9.00	12.00	17.00	26.00	34.00	46.00	80.00	104.00	137.00
18	G.I.Reduced Nipple	13.00	16.00	29.00	67.00	85.00	117.00	244.00	244.00	339.00
19	G.I. Dummy (Heavy)	--	--	--	--	14.00	22.00	29.00	36.00	65.00
20	G.I.Dummy (Medium)	--	--	--	--	12.00	19.00	26.00	31.00	61.00
21	M.S.Saddle Piece	--	--	--	--	--	55.00	61.00	70.00	94.00
22	Waste Not Tap	--	79.00	--	--	--	--	--	--	--
23	C.I.Footvalve with stainer	--	--	--	--	--	253.00	--	377.00	--
24	M.S.Clampset	--	--	--	--	--	--	--	314.00	--

Note: The above rates are inclusive of all taxes , duties and transportation charges anywhere in Tamilnadu
Excise Duty 10.30% and VAT at 5%.

5.2 G.M GATE VALAES AS PER IS

Sl. No.	Description	Rate for 2011-12 in Rupees								
		15mm	20mm	25mm	32mm	40mm	50mm	65mm	80mm	100mm
1	G.M. Gate valves	--	285.00	384.00	503.00	685.00	1117.00	1741.00	2739.00	4700.00
2	G.M. Non Return valves	--	--	--	--	--	1107.00	1107.00	1777.00	--

Note: The above rates are inclusive of all taxes , duties and transportation charges anywhere in Tamilnadu

Excise Duty 10.30% and VAT at 5%.

6.0 DUCTILE IRON SOCKET/SPIGOT PIPES FOR CLASS K7 AS PER IS 8329/2000

Sl No	Description	Unit	Rate for 2011-12 in Rupees	
			With Excise Duty	Without Excise Duty
1	100 mm	metre	836.00	772.00
2	150 mm	metre	1175.00	1085.00
3	200 mm	metre	1556.00	1437.00
4	250 mm	metre	2047.00	1891.00
5	300 mm	metre	2609.00	2410.00
6	350 mm	metre	3226.00	2980.00
7	400 mm	metre	3882.00	3586.00
8	450 mm	metre	4589.00	4240.00
9	500 mm	metre	5397.00	4986.00
10	600 mm	metre	7173.00	6627.00
11	700 mm	metre	9782.00	9037.00
12	750 mm	metre	11308.00	10447.00
13	800 mm	metre	13432.00	12410.00
14	900 mm	metre	15960.00	14745.00
15	1000 mm	metre	18734.00	17308.00

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu.Excise duty 10.30%.

6.1 DUCTILE IRON SOCKET/SPIGOT PIPES FOR CLASS K9 AS PER IS 8329/2000

Sl No	Description	Unit	Rate for 2011-12 in Rupees	
			With Excise Duty	Without Excise Duty
1	100 mm	metre	878.00	811.00
2	150 mm	metre	1235.00	1141.00
3	200 mm	metre	1727.00	1595.00
4	250 mm	metre	2311.00	2136.00
5	300 mm	metre	2931.00	2708.00
6	350 mm	metre	3632.00	3355.00
7	400 mm	metre	4342.00	4012.00
8	450 mm	metre	5166.00	4773.00
9	500 mm	metre	6020.00	5562.00
10	600 mm	metre	7985.00	7378.00
11	700 mm	metre	10282.00	9499.00
12	750 mm	metre	11601.00	10718.00
13	800 mm	metre	13352.00	12336.00
14	900 mm	metre	15871.00	14662.00
15	1000 mm	metre	18632.00	17214.00

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu.Excise duty 10.30%.

6.2 DUCTILE IRON CLASS K9 FLANGED PIPES AS PER IS 8329/2000

Sl No	Description	Unit	Rate for 2011-12 in Rupees	
			With Excise Duty	Without Excise Duty
I)	4 m length of pipes			
1	80 mm	Each	4520.00	4176.00
2	100 mm	Each	6135.00	5668.00
3	150 mm	Each	9022.00	8335.00
4	200 mm	Each	12496.00	11545.00
5	250 mm	Each	16481.00	15227.00
6	300 mm	Each	20712.00	19136.00
7	350 mm	Each	27549.00	25452.00
8	400 mm	Each	35076.00	32406.00
9	450 mm	Each	42612.00	39368.00
10	500 mm	Each	50943.00	47064.00
11	600 mm	Each	68814.00	63574.00
12	700 mm	Each	85569.00	79055.00
13	750 mm	Each	95604.00	88326.00
14	800 mm	Each	105639.00	97598.00
15	900 mm	Each	126689.00	117044.00
16	1000mm	Each	157481.00	145492.00
II)	5 m length of pipes			
1	80 mm	Each	5228.00	4830.00
2	100 mm	Each	7520.00	6948.00
3	150 mm	Each	10819.00	9995.00
4	200 mm	Each	14457.00	13357.00
5	250 mm	Each	19091.00	17638.00
6	300 mm	Each	24003.00	22176.00
7	350 mm	Each	33311.00	30776.00
8	400 mm	Each	40728.00	37660.00
9	450 mm	Each	48629.00	44927.00
10	500 mm	Each	58042.00	53624.00
11	600 mm	Each	79388.00	73345.00
12	700 mm	Each	97439.00	90022.00
13	750 mm	Each	108877.00	100588.00
14	800 mm	Each	120316.00	111156.00
15	900 mm	Each	144389.00	133397.00
16	1000 mm	Each	178799.00	165188.00

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu.Excise duty 10.30%.

6.3 DUCTILE IRON SPECIALS AS PER IS 9523/2000

Sl No	Description	Unit	Rate for 2011-12 in Rupees
	ALL SOCKET		
1	100mm - 200 mm dia	Kg	101.00
2	250 mm - 300 mm dia	Kg	101.00
3	350 mm - 450 mm dia	Kg	111.00
4	500 mm - 600 mm dia	Kg	124.00
5	700 mm - 750 mm	Kg	161.00
6	800 mm	Kg	161.00
7	900 mm	Kg	170.00
8	1000 mm	Kg	185.00
	ALL FLANGE		
1	100mm - 200 mm dia	Kg	109.00
2	250 mm - 300 mm dia	Kg	109.00
3	350 mm - 450 mm dia	Kg	119.00
4	500 mm - 600 mm dia	Kg	129.00
5	700 mm - 750 mm	Kg	155.00
6	800 mm	Kg	155.00
7	900 mm	Kg	179.00
8	1000 mm	Kg	179.00

Note: In respect of flanged and spigot, flanged and socketted type specials, the rate applicable for flanged type specials is allowed.

Note: The above rates are inclusive of excise duty at 10.3% , VAT at 5% and transportation charges anywhere in Tamilnadu.

7.0 PSC PIPES AS PER IS 784 / 2001

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees	
			With Excise duty	Without Excise duty
I.	**4 KSC**			
1	350 mm	Metre	1403.00	1296.00
2	400 mm	Metre	1558.00	1440.00
3	450 mm	Metre	1757.00	1623.00
4	500 mm	Metre	1778.00	1642.00
5	600 mm	Metre	2119.00	1957.00
6	700 mm	Metre	2544.00	2351.00
7	800 mm	Metre	3016.00	2786.00
8	900 mm	Metre	3780.00	3492.00
9	1000 mm	Metre	4314.00	3986.00
10	1100 mm	Metre	5267.00	4866.00
11	1200 mm	Metre	6304.00	5824.00
II	**6 KSC**			
1	350 mm	Metre	1577.00	1457.00
2	400 mm	Metre	1730.00	1599.00
3	450 mm	Metre	1949.00	1801.00
4	500 mm	Metre	2011.00	1857.00
5	600 mm	Metre	2344.00	2165.00
6	700 mm	Metre	3015.00	2785.00
7	800 mm	Metre	3363.00	3107.00
8	900 mm	Metre	4109.00	3796.00
9	1000 mm	Metre	4900.00	4528.00
10	1100 mm	Metre	5824.00	5381.00
11	1200 mm	Metre	7101.00	6560.00
III	**8 KSC**			
1	350 mm	Metre	1587.00	1466.00
2	400 mm	Metre	1779.00	1643.00
3	450 mm	Metre	1958.00	1809.00
4	500 mm	Metre	2027.00	1872.00
5	600 mm	Metre	2411.00	2227.00
6	700 mm	Metre	3040.00	2809.00
7	800 mm	Metre	3530.00	3261.00
8	900 mm	Metre	4190.00	3870.00
9	1000 mm	Metre	5033.00	4649.00
10	1100 mm	Metre	5967.00	5513.00
11	1200 mm	Metre	7249.00	6697.00
IV	**10 KSC**			
1	350 mm	Metre	1608.00	1485.00
2	400 mm	Metre	1807.00	1670.00
3	450 mm	Metre	1994.00	1842.00
4	500 mm	Metre	2075.00	1917.00
5	600 mm	Metre	2436.00	2250.00
6	700 mm	Metre	3082.00	2848.00

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees	
			With Excise duty	Without Excise duty
7	800 mm	Metre	3612.00	3337.00
8	900 mm	Metre	4280.00	3954.00
9	1000 mm	Metre	5144.00	4752.00
10	1100 mm	Metre	6179.00	5709.00
11	1200 mm	Metre	7468.00	6900.00
V	**12 KSC**			
1	350 mm	Metre	1641.00	1516.00
2	400 mm	Metre	1836.00	1697.00
3	450 mm	Metre	2038.00	1883.00
4	500 mm	Metre	2127.00	1966.00
5	600 mm	Metre	2508.00	2317.00
6	700 mm	Metre	2987.00	2759.00
7	800 mm	Metre	3716.00	3434.00
8	900 mm	Metre	4391.00	4057.00
9	1000 mm	Metre	5332.00	4926.00
10	1100 mm	Metre	6433.00	5944.00
11	1200 mm	Metre	7728.00	7140.00
VI	**14 KSC**			
1	350 mm	Metre	1664.00	1537.00
2	400 mm	Metre	1878.00	1736.00
3	450 mm	Metre	2092.00	1932.00
4	500 mm	Metre	2211.00	2043.00
5	600 mm	Metre	2610.00	2412.00
6	700 mm	Metre	3175.00	2934.00
7	800 mm	Metre	3860.00	3566.00
8	900 mm	Metre	4649.00	4296.00
9	1000 mm	Metre	5615.00	5188.00
10	1100 mm	Metre	6680.00	6172.00
11	1200 mm	Metre	8025.00	7414.00
VII	**16 KSC**			
1	350 mm	Metre	1735.00	1602.00
2	400 mm	Metre	1917.00	1771.00
3	450 mm	Metre	2144.00	1981.00
4	500 mm	Metre	2289.00	2115.00
5	600 mm	Metre	2672.00	2469.00
6	700 mm	Metre	3222.00	2977.00
7	800 mm	Metre	4030.00	3723.00
8	900 mm	Metre	4932.00	4556.00
9	1000 mm	Metre	5967.00	5513.00
10	1100 mm	Metre	6960.00	6430.00
11	1200 mm	Metre	8388.00	7750.00

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu.Excise duty 10.30%.

8.0 BAR WRAPPED STEEL CYLINDER PIPES AS PER IS 15155

Sl. No.	Description	Unit	Rate for 2011-2012 in Rupees	
			With Excise Duty	Without Excise Duty
	4 Ksc Pipe			
1	350mm	Metre	2341.00	2163.00
2	400mm	Metre	2589.00	2392.00
3	450mm	Metre	2814.00	2599.00
4	500mm	Metre	3157.00	2917.00
5	600mm	Metre	4083.00	3772.00
6	700mm	Metre	4688.00	4330.00
7	800mm	Metre	5387.00	4976.00
8	900mm	Metre	6983.00	6452.00
9	1000mm	Metre	7976.00	7370.00
10	1100mm	Metre	10162.00	9388.00
11	1200mm	Metre	11085.00	10241.00
12	1300mm	Metre	14388.00	13293.00
13	1400mm	Metre	15385.00	14213.00
14	1500mm	Metre	15892.00	14683.00
	6 Ksc Pipe			
1	350mm	Metre	2360.00	2180.00
2	400mm	Metre	2605.00	2407.00
3	450mm	Metre	2833.00	2618.00
4	500mm	Metre	3181.00	2938.00
5	600mm	Metre	4114.00	3802.00
6	700mm	Metre	4710.00	4352.00
7	800mm	Metre	5410.00	4999.00
8	900mm	Metre	7008.00	6476.00
9	1000mm	Metre	8148.00	7527.00
10	1100mm	Metre	10331.00	9545.00
11	1200mm	Metre	11227.00	10372.00
12	1300mm	Metre	14413.00	13316.00
13	1400mm	Metre	15427.00	14252.00
14	1500mm	Metre	15933.00	14720.00
	8 Ksc Pipe			
1	350mm	Metre	2384.00	2203.00
2	400mm	Metre	2630.00	2429.00
3	450mm	Metre	2856.00	2639.00
4	500mm	Metre	3209.00	2964.00
5	600mm	Metre	4147.00	3831.00
6	700mm	Metre	4736.00	4376.00
7	800mm	Metre	5438.00	5024.00
8	900mm	Metre	7036.00	6500.00
9	1000mm	Metre	8319.00	7685.00
10	1100mm	Metre	10499.00	9699.00
11	1200mm	Metre	11366.00	10501.00
12	1300mm	Metre	14445.00	13346.00
13	1400mm	Metre	15469.00	14291.00
14	1500mm	Metre	15977.00	14760.00

Sl. No.	Description	Unit	Rate for 2011-2012 in Rupees	
			With Excise Duty	Without Excise Duty
	10 Ksc Pipe			
1	350mm	Metre	2412.00	2228.00
2	400mm	Metre	2661.00	2458.00
3	450mm	Metre	2885.00	2665.00
4	500mm	Metre	3240.00	2994.00
5	600mm	Metre	4181.00	3863.00
6	700mm	Metre	4768.00	4406.00
7	800mm	Metre	5470.00	5054.00
8	900mm	Metre	7063.00	6525.00
9	1000mm	Metre	8490.00	7844.00
10	1100mm	Metre	10668.00	9856.00
11	1200mm	Metre	11510.00	10634.00
12	1300mm	Metre	14477.00	13374.00
13	1400mm	Metre	15542.00	14358.00
14	1500mm	Metre	16039.00	14818.00
	12 Ksc Pipe			
1	350mm	Metre	2443.00	2257.00
2	400mm	Metre	2697.00	2491.00
3	450mm	Metre	2918.00	2695.00
4	500mm	Metre	3276.00	3026.00
5	600mm	Metre	4219.00	3899.00
6	700mm	Metre	4805.00	4440.00
7	800mm	Metre	5696.00	5263.00
8	900mm	Metre	7099.00	6559.00
9	1000mm	Metre	8659.00	7999.00
10	1100mm	Metre	10839.00	10014.00
11	1200mm	Metre	11651.00	10764.00
12	1300mm	Metre	14509.00	13405.00
13	1400mm	Metre	15605.00	14417.00
14	1500mm	Metre	16102.00	14877.00
	14 Ksc Pipe			
1	350mm	Metre	2483.00	2295.00
2	400mm	Metre	2736.00	2527.00
3	450mm	Metre	2957.00	2731.00
4	500mm	Metre	3314.00	3061.00
5	600mm	Metre	4263.00	3938.00
6	700mm	Metre	5152.00	4760.00
7	800mm	Metre	6272.00	5793.00
8	900mm	Metre	7709.00	7123.00
9	1000mm	Metre	8775.00	8108.00
10	1100mm	Metre	10953.00	10120.00
11	1200mm	Metre	12014.00	11100.00
12	1300mm	Metre	15146.00	13994.00
13	1400mm	Metre	16594.00	15331.00
14	1500mm	Metre	16972.00	15680.00
	16 Ksc Pipe			
1	350mm	Metre	2526.00	2334.00
2	400mm	Metre	2780.00	2569.00

Sl. No.	Description	Unit	Rate for 2011-2012 in Rupees	
			With Excise Duty	Without Excise Duty
3	450mm	Metre	3001.00	2773.00
4	500mm	Metre	3386.00	3128.00
5	600mm	Metre	4514.00	4171.00
6	700mm	Metre	5506.00	5088.00
7	800mm	Metre	6599.00	6096.00
8	900mm	Metre	7905.00	7303.00
9	1000mm	Metre	8890.00	8214.00
10	1100mm	Metre	11068.00	10226.00
11	1200mm	Metre	12374.00	11432.00
12	1300mm	Metre	15677.00	14483.00
13	1400mm	Metre	17075.00	15775.00
14	1500mm	Metre	17842.00	16484.00
	18 Ksc Pipe			
1	350mm	Metre	2571.00	2375.00
2	400mm	Metre	2831.00	2616.00
3	450mm	Metre	3083.00	2848.00
4	500mm	Metre	3605.00	3330.00
5	600mm	Metre	4693.00	4336.00
6	700mm	Metre	5941.00	5489.00
7	800mm	Metre	7133.00	6590.00
8	900mm	Metre	8793.00	8124.00
9	1000mm	Metre	11249.00	10393.00
10	1100mm	Metre	13425.00	12404.00
11	1200mm	Metre	15233.00	14074.00
12	1300mm	Metre	16450.00	15197.00
13	1400mm	Metre	19235.00	17771.00
14	1500mm	Metre	19753.00	18250.00

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu. Excise duty at 10.30%.

9.0 GRP PIPES AS PER IS 12709 / 1994 (WATER SUPPLY)

Sl .No	Description	Unit	Rate for 2011-2012 in Rupees			
			Stiffness class 2500N/Sqm		Stiffness class 5000N/Sqm	
			With Excise Duty	Without Excise Duty	With Excise Duty	Without Excise Duty
3 BAR						
1	200mm	metre	1164.00	1075.00	1308.00	1209.00
2	250mm	metre	1650.00	1525.00	1783.00	1647.00
3	300mm	metre	1953.00	1804.00	2103.00	1943.00
4	350mm	metre	2395.00	2212.00	2603.00	2405.00
5	400mm	metre	2590.00	2393.00	2839.00	2623.00
6	450mm	metre	2996.00	2768.00	3296.00	3045.00
7	500mm	metre	3353.00	3098.00	3755.00	3469.00
8	600mm	metre	4495.00	4153.00	5060.00	4675.00
9	700mm	metre	5627.00	5199.00	6374.00	5888.00
10	800mm	metre	6755.00	6241.00	7715.00	7127.00
11	900mm	metre	8566.00	7914.00	9801.00	9055.00
12	1000mm	metre	10266.00	9485.00	11772.00	10876.00
13	1100mm	metre	12285.00	11349.00	13999.00	12933.00
14	1200mm	metre	13972.00	12909.00	15947.00	14733.00
15	1300mm	metre	15188.00	14032.00	17691.00	16344.00
16	1400mm	metre	18341.00	16945.00	20869.00	19280.00
17	1500mm	metre	20803.00	19219.00	23768.00	21959.00
18	1600mm	metre	22754.00	21022.00	26150.00	24159.00
19	1700mm	metre	24817.00	22928.00	28649.00	26468.00
20	1800mm	metre	30131.00	27838.00	34250.00	31735.00
21	1900mm	metre	33247.00	30716.00	37944.00	35055.00
22	2000mm	metre	35540.00	32835.00	40865.00	37754.00
23	2100mm	metre	38909.00	35947.00	44682.00	41281.00
24	2200mm	metre	41415.00	38252.00	47829.00	44188.00
25	2300mm	metre	45036.00	41607.00	--	--
26	2400mm	metre	47768.00	44132.00	--	--
6 BAR						
1	200mm	metre	1188.00	1097.00	1332.00	1231.00
2	250mm	metre	1674.00	1547.00	1807.00	1670.00
3	300mm	metre	1989.00	1838.00	2113.00	1952.00
4	350mm	metre	2412.00	2228.00	2612.00	2413.00

Sl .No	Description	Unit	Rate for 2011-2012 in Rupees			
			Stiffness class 2500N/Sqm		Stiffness class 5000N/Sqm	
			With Excise Duty	Without Excise Duty	With Excise Duty	Without Excise Duty
5	400mm	metre	2646.00	2444.00	2848.00	2631.00
6	450mm	metre	3021.00	2791.00	3310.00	3057.00
7	500mm	metre	3402.00	3143.00	3786.00	3498.00
8	600mm	metre	4573.00	4225.00	5068.00	4682.00
9	700mm	metre	5711.00	5276.00	6390.00	5903.00
10	800mm	metre	6829.00	6309.00	7735.00	7146.00
11	900mm	metre	8649.00	7991.00	9825.00	9077.00
12	1000mm	metre	10372.00	9582.00	11791.00	10894.00
13	1100mm	metre	12351.00	11410.00	14053.00	12983.00
14	1200mm	metre	13999.00	12933.00	16047.00	14825.00
15	1300mm	metre	15554.00	14370.00	17723.00	16374.00
16	1400mm	metre	18347.00	16950.00	20887.00	19297.00
17	1500mm	metre	20918.00	19325.00	23791.00	21980.00
18	1600mm	metre	22861.00	21121.00	26164.00	24172.00
19	1700mm	metre	24982.00	23080.00	28690.00	26506.00
20	1800mm	metre	30191.00	27892.00	34402.00	31784.00
21	1900mm	metre	33330.00	30792.00	37964.00	35074.00
22	2000mm	metre	35625.00	32913.00	40893.00	37780.00
23	2100mm	metre	39020.00	36050.00	44704.00	41301.00
24	2200mm	metre	41634.00	38465.00	47915.00	44267.00
25	2300mm	metre	45121.00	41686.00	--	--
26	2400mm	metre	47854.00	44211.00	--	--
9 BAR						
1	200mm	metre	1212.00	1119.00	1358.00	1255.00
2	250mm	metre	1722.00	1591.00	1833.00	1694.00
3	300mm	metre	2032.00	1877.00	2147.00	1983.00
4	350mm	metre	2483.00	2294.00	2657.00	2455.00
5	400mm	metre	2711.00	2504.00	2934.00	2711.00
6	450mm	metre	3135.00	2896.00	3404.00	3145.00
7	500mm	metre	3527.00	3258.00	3868.00	3573.00
8	600mm	metre	4729.00	4369.00	5153.00	4761.00
9	700mm	metre	5921.00	5471.00	6486.00	5992.00
10	800mm	metre	7152.00	6608.00	7878.00	7279.00
11	900mm	metre	9056.00	8366.00	9947.00	9190.00

Sl .No	Description	Unit	Rate for 2011-2012 in Rupees			
			Stiffness class 2500N/Sqm		Stiffness class 5000N/Sqm	
			With Excise Duty	Without Excise Duty	With Excise Duty	Without Excise Duty
12	1000mm	metre	10825.00	10001.00	11966.00	11055.00
13	1100mm	metre	12852.00	11873.00	14272.00	13186.00
14	1200mm	metre	14607.00	13495.00	16344.00	15100.00
15	1300mm	metre	16327.00	15084.00	18070.00	16694.00
16	1400mm	metre	19297.00	17828.00	21276.00	19656.00
17	1500mm	metre	21897.00	20230.00	24294.00	22445.00
18	1600mm	metre	24040.00	22210.00	26628.00	24600.00
19	1700mm	metre	26312.00	24309.00	29529.00	27281.00
20	1800mm	metre	31752.00	29335.00	35290.00	32604.00
21	1900mm	metre	34904.00	32247.00	38920.00	35957.00
22	2000mm	metre	37452.00	34601.00	41975.00	38780.00
23	2100mm	metre	40881.00	37769.00	--	--
24	2200mm	metre	43584.00	40266.00	--	--
25	2300mm	metre	47269.00	43671.00	--	--
26	2400mm	metre	50499.00	46655.00	--	--
12 BAR						
1	200mm	metre	1237.00	1142.00	1384.00	1279.00
2	250mm	metre	1746.00	1613.00	1859.00	1718.00
3	300mm	metre	2115.00	1954.00	2176.00	2011.00
4	350mm	metre	2573.00	2377.00	2708.00	2502.00
5	400mm	metre	2807.00	2594.00	2953.00	2728.00
6	450mm	metre	3242.00	2996.00	3463.00	3199.00
7	500mm	metre	3693.00	3411.00	3932.00	3633.00
8	600mm	metre	4960.00	4582.00	5327.00	4921.00
9	700mm	metre	6187.00	5716.00	6728.00	6216.00
10	800mm	metre	7456.00	6888.00	8126.00	7508.00
11	900mm	metre	9448.00	8729.00	10448.00	9653.00
12	1000mm	metre	11347.00	10483.00	12373.00	11431.00
13	1100mm	metre	13617.00	12580.00	14948.00	13810.00
14	1200mm	metre	15549.00	14365.00	17082.00	15782.00
15	1300mm	metre	17074.00	15774.00	18878.00	17441.00
16	1400mm	metre	20165.00	18630.00	22264.00	20570.00
17	1500mm	metre	23010.00	21258.00	25294.00	23369.00
18	1600mm	metre	25227.00	23307.00	27770.00	25656.00

Sl .No	Description	Unit	Rate for 2011-2012 in Rupees			
			Stiffness class 2500N/Sqm		Stiffness class 5000N/Sqm	
			With Excise Duty	Without Excise Duty	With Excise Duty	Without Excise Duty
19	1700mm	metre	27653.00	25548.00	30555.00	28229.00
20	1800mm	metre	33257.00	30725.00	36528.00	33747.00
21	1900mm	metre	36494.00	33716.00	40158.00	37101.00
22	2000mm	metre	39221.00	36236.00	58996.00	54504.00
23	2100mm	metre	42915.00	39648.00	--	--
24	2200mm	metre	45901.00	42406.00	--	--
15 BAR						
1	200mm	metre	1260.00	1164.00	1410.00	1303.00
2	250mm	metre	1770.00	1635.00	1885.00	1742.00
3	300mm	metre	2187.00	2020.00	2238.00	2067.00
4	350mm	metre	2661.00	2458.00	2799.00	2586.00
5	400mm	metre	2903.00	2682.00	3071.00	2837.00
6	450mm	metre	3395.00	3136.00	3597.00	3323.00
7	500mm	metre	3860.00	3566.00	4078.00	3767.00
8	600mm	metre	5242.00	4843.00	5547.00	5125.00
9	700mm	metre	6551.00	6052.00	6999.00	6466.00
10	800mm	metre	7952.00	7347.00	8553.00	7902.00
11	900mm	metre	10087.00	9319.00	10831.00	10007.00
12	1000mm	metre	12073.00	11154.00	13015.00	12025.00
13	1100mm	metre	14510.00	13405.00	15596.00	14409.00
14	1200mm	metre	16518.00	15261.00	17909.00	16546.00
15	1300mm	metre	18288.00	16896.00	19724.00	18223.00
16	1400mm	metre	21537.00	19898.00	23242.00	21473.00
17	1500mm	metre	24425.00	22566.00	26414.00	24403.00
18	1600mm	metre	26867.00	24822.00	29098.00	26883.00
19	1700mm	metre	29833.00	27561.00	31991.00	29555.00
20	1800mm	metre	35564.00	32857.00	38130.00	35228.00
21	1900mm	metre	39328.00	36334.00	--	--
22	2000mm	metre	42283.00	39064.00	--	--

Note: The above rates are inclusive of VAT at 5%, transportation charges anywhere in Tamilnadu and cost of coupling and specials.Excise duty at 10.30%.

10.0 M.S. PIPES- SPIRAL/LONGITUDIDNAL WELDING AS PER IS 3589/2001 WITH INTERNAL LINING AND EXTERNAL COATING (WITH EXCISE DUTY)

Sl. No.	Dia meter & thickness of pipe in mm	Rate for 2011-12 in Rupees							
		Bare pipe per meter	CML Internal 6mm to 12mm thick per meter	CML external 20mm thick per meter	Internal food grade epoxy coating 406 micr.per meter	External epoxy Coating 406 micr. per meter	CTE external coating & wrapping per meter	External Polyethy line Sheeting per meter	Transpora tion any where in Tamilnadu per meter
1	168.3X2.6	503.00	250.00	418.00	352.00	455.00	470.00	485.00	202.00
2	168.3X3.2	617.00	248.00	418.00	350.00	455.00	470.00	485.00	202.00
3	168.3X4	769.00	245.00	418.00	346.00	455.00	470.00	485.00	202.00
4	168.3X4.5	864.00	244.00	418.00	344.00	455.00	470.00	485.00	202.00
5	219.1X2.6	660.00	328.00	528.00	462.00	592.00	613.00	632.00	202.00
6	219.1X3.6	907.00	325.00	528.00	458.00	592.00	613.00	632.00	202.00
7	219.1X4.5	1130.00	322.00	528.00	454.00	592.00	613.00	632.00	202.00
8	219.1X6.3	1572.00	317.00	528.00	446.00	592.00	613.00	632.00	202.00
9	273X3.6	1135.00	407.00	645.00	575.00	738.00	763.00	787.00	202.00
10	273X4	1258.00	406.00	645.00	574.00	738.00	763.00	787.00	202.00
11	273X5	1567.00	403.00	645.00	569.00	738.00	763.00	787.00	202.00
12	273X6.3	1966.00	399.00	645.00	563.00	738.00	763.00	787.00	202.00
13	323.9X4	1496.00	484.00	755.00	684.00	844.00	905.00	934.00	202.00
14	323.9X4.5	1681.00	483.00	755.00	681.00	844.00	905.00	934.00	202.00
15	323.9X5.6	2085.00	480.00	755.00	677.00	844.00	905.00	934.00	202.00
16	323.9X7.1	2631.00	475.00	755.00	670.00	844.00	905.00	934.00	202.00
17	355.6X4	1648.00	532.00	824.00	751.00	961.00	993.00	1026.00	202.00
18	355.6X5	2051.00	529.00	824.00	748.00	961.00	993.00	1026.00	202.00
19	355.6X5.6	2293.00	528.00	824.00	744.00	961.00	993.00	1026.00	202.00
20	355.6X8	3257.00	520.00	824.00	734.00	961.00	993.00	1026.00	202.00
21	406.4X4	1885.00	610.00	933.00	861.00	1099.00	1136.00	1172.00	202.00
22	406.4X5	2350.00	607.00	933.00	857.00	1099.00	1136.00	1172.00	202.00
23	406.4X6.3	2954.00	603.00	933.00	851.00	1099.00	1136.00	1172.00	202.00

Sl. No.	Dia meter & thickness of pipe in mm	Bare pipe per meter	CML Internal 6mm to 12mm thick per meter	CML external 20mm thick per meter	Internal food grade epoxy coating 406 micr.per meter	External epoxy Coating 406 micr. per meter	CTE external coating & wrapping per meter	External Polyethy line Sheeting per meter	Transpora tion any where in Tamilnadu per meter
24	406.4X8.8	4098.00	595.00	933.00	841.00	1099.00	1136.00	1172.00	202.00
25	457X4	2123.00	688.00	953.00	846.00	1235.00	934.00	1318.00	202.00
26	457X5	2645.00	685.00	953.00	842.00	1235.00	934.00	1318.00	202.00
27	457X6.3	3324.00	680.00	953.00	837.00	1235.00	934.00	1318.00	202.00
28	457X10	5223.00	670.00	953.00	823.00	1235.00	934.00	1318.00	202.00
29	508X5	2944.00	763.00	1059.00	938.00	1373.00	1038.00	1465.00	242.00
30	508X5.6	3276.00	761.00	1059.00	936.00	1373.00	1038.00	1465.00	242.00
31	508X6.3	3704.00	759.00	1059.00	933.00	1373.00	1038.00	1465.00	242.00
32	508X11	6410.00	744.00	1059.00	916.00	1373.00	1038.00	1465.00	242.00
33	610X5.8	4084.00	917.00	1272.00	1127.00	1648.00	1246.00	1759.00	303.00
34	610X6.3	4464.00	915.00	1272.00	1126.00	1648.00	1246.00	1759.00	303.00
35	610X12.5	8737.00	896.00	1272.00	1102.00	1648.00	1246.00	1759.00	303.00
36	711X6.3	5176.00	1070.00	1482.00	1316.00	1921.00	1453.00	2050.00	303.00
37	711X7.1	5841.00	1067.00	1482.00	1313.00	1921.00	1453.00	2050.00	303.00
38	711X14.2	11586.00	1046.00	1482.00	1286.00	1921.00	1453.00	2050.00	303.00
39	813X7.1	6695.00	1224.00	1695.00	1505.00	2198.00	1661.00	2345.00	403.00
40	813X8	7550.00	1221.00	1695.00	1502.00	2198.00	1661.00	2345.00	403.00
41	813X18	16762.00	1191.00	1695.00	1464.00	2198.00	1661.00	2345.00	403.00
42	914X8	8500.00	1375.00	1905.00	1692.00	2471.00	1867.00	2635.00	605.00
43	914X8.8	9307.00	1373.00	1905.00	1689.00	2471.00	1867.00	2635.00	605.00
44	914X10	10589.00	1370.00	1905.00	1684.00	2471.00	1867.00	2635.00	605.00
45	914X17.5	18376.00	1347.00	1905.00	1656.00	2471.00	1867.00	2635.00	605.00
46	1016X8.8	10399.00	1529.00	2118.00	1881.00	2746.00	2076.00	2930.00	1209.00
47	1016X10	11776.00	1526.00	2118.00	1877.00	2746.00	2076.00	2930.00	1209.00
48	1016X20	23315.00	1495.00	2118.00	1839.00	2746.00	2076.00	2930.00	1209.00

Sl. No.	Dia meter & thickness of pipe in mm	Bare pipe per meter	CML Internal 6mm to 12mm thick per meter	CML external 20mm thick per meter	Internal food grade epoxy coating 406 micr.per meter	External epoxy Coating 406 micr. per meter	CTE external coating & wrapping per meter	External Polyethy line Sheeting per meter	Transpora tion any where in Tamilnadu per meter
49	1067X8.8	10921.00	1607.00	2224.00	1977.00	2884.00	2180.00	3077.00	1209.00
50	1067X10	12393.00	1604.00	2224.00	1973.00	2884.00	2180.00	3077.00	1209.00
51	1067X11	13580.00	1600.00	2224.00	1969.00	2884.00	2180.00	3077.00	1209.00
52	1118X8.8	11444.00	1685.00	2331.00	2073.00	3023.00	2284.00	3223.00	1209.00
53	1118X10	12963.00	1682.00	2331.00	2069.00	3023.00	2284.00	3223.00	1209.00
54	1118X11	14245.00	1679.00	2331.00	2065.00	3023.00	2284.00	3223.00	1209.00
55	1219X10	14150.00	1837.00	2541.00	2259.00	3296.00	2491.00	3515.00	1209.00
56	1219X11	15575.00	1833.00	2541.00	2255.00	3296.00	2491.00	3515.00	1209.00
57	1219X12.5	17664.00	1829.00	2541.00	2250.00	3296.00	2491.00	3515.00	1209.00
58	1422X12.5	20656.00	2139.00	2964.00	2632.00	3844.00	2905.00	4100.00	1209.00
59	1422X14.2	23410.00	2135.00	2964.00	2626.00	3844.00	2905.00	4100.00	1209.00
60	1626X14.2	26781.00	2447.00	3390.00	3010.00	4396.00	3322.00	4688.00	1451.00
61	1626X16	30152.00	2442.00	3390.00	3003.00	4396.00	3322.00	4688.00	1451.00
62	1829X14.2	30200.00	2758.00	3813.00	3393.00	4944.00	3737.00	5273.00	1451.00
63	1829X16	33951.00	2753.00	3813.00	3386.00	4944.00	3737.00	5273.00	1451.00
64	1829X17.5	37133.00	2749.00	3813.00	3380.00	4944.00	3737.00	5273.00	1451.00
65	2032X16	37750.00	3064.00	4236.00	3768.00	5492.00	4152.00	5859.00	1740.00
66	2032X17.5	41264.00	3059.00	4236.00	3763.00	5492.00	4152.00	5859.00	1740.00
67	2032X20	47104.00	3051.00	4236.00	3753.00	5492.00	4152.00	5859.00	1740.00
68	2235X17.5	45442.00	3370.00	4659.00	4145.00	6042.00	4566.00	6445.00	1740.00
69	2235X20	51900.00	3362.00	4659.00	4136.00	6042.00	4566.00	6445.00	1740.00
70	2235X22.2	57503.00	3355.00	4659.00	4127.00	6042.00	4566.00	6445.00	1740.00
71	2540X20	59023.00	3829.00	5295.00	4710.00	6867.00	5190.00	7324.00	1915.00
72	2540X22.2	65433.00	3822.00	5295.00	4702.00	6867.00	5190.00	7324.00	1915.00
73	2540X25	73648.00	3814.00	5295.00	4692.00	6867.00	5190.00	7324.00	1915.00

Note: The above rates are inclusive of Excise duty at 10.30% and VAT at 5%.

10.1 M.S. PIPES- SPIRAL/LONGITUDIDNAL WELDING AS PER IS 3589/2001 WITH INTERNAL LINING AND EXTERNAL COATING (WITHOUT EXCISE DUTY)

Sl.No	Dia meter & thickness of pipe in mm	Rate for 2011-12 in Rupees							
		Bare pipe per meter	CML Internal 6mm to 12mm thick per meter	CML external 20mm thick per meter	Internal food grade epoxy coating 406 micr.per meter	External epoxy Coating 406 micr. per meter	CTE external coating & wrapping per meter	External Polyethy line Sheeting per meter	Transporatio n any where in Tamilnadu per meter
1	168.3X2.6	457.00	227.00	379.00	319.00	413.00	426.00	440.00	202.00
2	168.3X3.2	529.00	225.00	379.00	317.00	413.00	426.00	440.00	202.00
3	168.3X4	697.00	223.00	379.00	314.00	413.00	426.00	440.00	202.00
4	168.3X4.5	783.00	222.00	379.00	312.00	413.00	426.00	440.00	202.00
5	219.1X2.6	599.00	297.00	478.00	419.00	537.00	555.00	573.00	202.00
6	219.1X3.6	822.00	294.00	478.00	415.00	537.00	555.00	573.00	202.00
7	219.1X4.5	1025.00	292.00	478.00	412.00	537.00	555.00	573.00	202.00
8	219.1X6.3	1425.00	287.00	478.00	405.00	537.00	555.00	573.00	202.00
9	273X3.6	1029.00	369.00	584.00	521.00	669.00	692.00	713.00	202.00
10	273X4	1141.00	368.00	584.00	520.00	669.00	692.00	713.00	202.00
11	273X5	1421.00	365.00	584.00	516.00	669.00	692.00	713.00	202.00
12	273X6.3	1782.00	362.00	584.00	511.00	669.00	692.00	713.00	202.00
13	323.9X4	1357.00	439.00	684.00	620.00	765.00	821.00	847.00	202.00
14	323.9X4.5	1524.00	438.00	684.00	618.00	765.00	821.00	847.00	202.00
15	323.9X5.6	1890.00	435.00	684.00	614.00	765.00	821.00	847.00	202.00
16	323.9X7.1	2385.00	431.00	684.00	607.00	765.00	821.00	847.00	202.00
17	355.6X4	1494.00	483.00	747.00	681.00	872.00	901.00	930.00	202.00
18	355.6X5	1860.00	479.00	747.00	678.00	872.00	901.00	930.00	202.00
19	355.6X5.6	2079.00	478.00	747.00	675.00	872.00	901.00	930.00	202.00
20	355.6X8	2954.00	471.00	747.00	666.00	872.00	901.00	930.00	202.00
21	406.4X4	1709.00	553.00	846.00	781.00	996.00	1030.00	1063.00	202.00
22	406.4X5	2132.00	550.00	846.00	777.00	996.00	1030.00	1063.00	202.00
23	406.4X6.3	2678.00	547.00	846.00	772.00	996.00	1030.00	1063.00	202.00
24	406.4X8.8	3715.00	540.00	846.00	762.00	996.00	1030.00	1063.00	202.00

Sl.No	Dia meter & thickness of pipe in mm	Bare pipe per meter	CML Internal 6mm to 12mm thick per meter	CML external 20mm thick per meter	Internal food grade epoxy coating 406 micr.per meter	External epoxy Coating 406 micr. per meter	CTE external coating & wrapping per meter	External Polyethy line Sheeting per meter	Transporatio n any where in Tamilnadu per meter
25	457X4	1925.00	624.00	863.00	767.00	1120.00	847.00	1195.00	202.00
26	457X5	2398.00	621.00	863.00	763.00	1120.00	847.00	1195.00	202.00
27	457X6.3	3014.00	617.00	863.00	759.00	1120.00	847.00	1195.00	202.00
28	457X10	4736.00	607.00	863.00	746.00	1120.00	847.00	1195.00	202.00
29	508X5	2669.00	692.00	959.00	850.00	1245.00	941.00	1328.00	242.00
30	508X5.6	2970.00	690.00	959.00	848.00	1245.00	941.00	1328.00	242.00
31	508X6.3	3358.00	688.00	959.00	846.00	1245.00	941.00	1328.00	242.00
32	508X11	5812.00	675.00	959.00	830.00	1245.00	941.00	1328.00	242.00
33	610X5.8	3702.00	831.00	1151.00	1022.00	1494.00	1130.00	1594.00	303.00
34	610X6.3	4047.00	830.00	1151.00	1020.00	1494.00	1130.00	1594.00	303.00
35	610X12.5	7921.00	812.00	1151.00	999.00	1494.00	1130.00	1594.00	303.00
36	711X6.3	4692.00	970.00	1342.00	1193.00	1742.00	1318.00	1858.00	303.00
37	711X7.1	5295.00	967.00	1342.00	1190.00	1742.00	1318.00	1858.00	303.00
38	711X14.2	10504.00	948.00	1342.00	1166.00	1742.00	1318.00	1858.00	303.00
39	813X7.1	6070.00	1110.00	1535.00	1364.00	1993.00	1507.00	2126.00	403.00
40	813X8	6845.00	1107.00	1535.00	1361.00	1993.00	1507.00	2126.00	403.00
41	813X18	15197.00	1080.00	1535.00	1327.00	1993.00	1507.00	2126.00	403.00
42	914X8	7706.00	1247.00	1725.00	1534.00	2240.00	1694.00	2389.00	605.00
43	914X8.8	8438.00	1245.00	1725.00	1531.00	2240.00	1694.00	2389.00	605.00
44	914X10	9600.00	1242.00	1725.00	1527.00	2240.00	1694.00	2389.00	605.00
45	914X17.5	16660.00	1221.00	1725.00	1501.00	2240.00	1694.00	2389.00	605.00
46	1016X8.8	9428.00	1386.00	1918.00	1705.00	2490.00	1883.00	2656.00	1209.00
47	1016X10	10676.00	[illegible]	[illegible]	1701.00	2490.00	1883.00	2656.00	1209.00
48	1016X20	21138.00	1355.00	1918.00	1667.00	2490.00	1883.00	2656.00	1209.00
49	1067X8.8	9902.00	1457.00	2014.00	1792.00	2615.00	1977.00	2789.00	1209.00
50	1067X10	11236.00	1454.00	2014.00	1788.00	2615.00	1977.00	2789.00	1209.00
51	1067X11	12312.00	1451.00	2014.00	1785.00	2615.00	1977.00	2789.00	1209.00

Sl.No	Dia meter & thickness of pipe in mm	Bare pipe per meter	CML Internal 6mm to 12mm thick per meter	CML external 20mm thick per meter	Internal food grade epoxy coating 406 micr.per meter	External epoxy Coating 406 micr. per meter	CTE external coating & wrapping per meter	External Polyethy line Sheeting per meter	Transporatio n any where in Tamilnadu per meter
52	1118X8.8	10375.00	1528.00	2110.00	1879.00	2740.00	2072.00	2922.00	1209.00
53	1118X10	11753.00	1525.00	2110.00	1875.00	2740.00	2072.00	2922.00	1209.00
54	1118X11	12915.00	1523.00	2110.00	1872.00	2740.00	2072.00	2922.00	1209.00
55	1219X10	12829.00	1665.00	2301.00	2048.00	2988.00	2259.00	3187.00	1209.00
56	1219X11	14120.00	1662.00	2301.00	2044.00	2988.00	2259.00	3187.00	1209.00
57	1219X12.5	16015.00	1658.00	2301.00	2039.00	2988.00	2259.00	3187.00	1209.00
58	1422X12.5	18727.00	1940.00	2684.00	2386.00	3485.00	2635.00	3717.00	1209.00
59	1422X14.2	21224.00	1935.00	2684.00	2380.00	3485.00	2635.00	3717.00	1209.00
60	1626X14.2	24280.00	2218.00	3069.00	2728.00	3985.00	3013.00	4250.00	1451.00
61	1626X16	27337.00	2214.00	3069.00	2722.00	3985.00	3013.00	4250.00	1451.00
62	1829X14.2	27380.00	2500.00	3452.00	3075.00	4482.00	3389.00	4781.00	1451.00
63	1829X16	30781.00	2496.00	3452.00	3069.00	4482.00	3389.00	4781.00	1451.00
64	1829X17.5	33665.00	2492.00	3452.00	3064.00	4482.00	3389.00	4781.00	1451.00
65	2032X16	34225.00	2778.00	3836.00	3416.00	4980.00	3765.00	5312.00	1740.00
66	2032X17.5	37410.00	2774.00	3836.00	3411.00	4980.00	3765.00	5312.00	1740.00
67	2032X20	42706.00	2766.00	3836.00	3402.00	4980.00	3765.00	5312.00	1740.00
68	2235X17.5	41199.00	3056.00	4219.00	3757.00	5478.00	4142.00	5843.00	1740.00
69	2235X20	47054.00	3048.00	4219.00	3749.00	5478.00	4142.00	5843.00	1740.00
70	2235X22.2	52134.00	3042.00	4219.00	3741.00	5478.00	4142.00	5843.00	1740.00
71	2540X20	53511.00	3472.00	4795.00	4270.00	6225.00	4707.00	6646.00	1915.00
72	2540X22.2	59323.00	3465.00	4795.00	4262.00	6225.00	4707.00	6646.00	1915.00
73	2540X25	66771.00	3458.00	4795.00	4252.00	6225.00	4707.00	6646.00	1915.00

Note: The above rates are inclusive of + VAT at 5%.

10.2 MS SPECIALS AS PER IS 7323

Sl. No.	Description	Unit	Rate for 2011-12 in Rupees
1	MS specials with inside lining / epoxy coating and outside coating with cement mortar 25mm thick.	Kg	72.00
2	MS specials without inside lining and outside coating	Kg	65.00
3	MS specials without inside lining and outside coating but with anti rust painting.	Kg	68.00

Note: The above rates are inclusive of VAT and transportation charges anywhere in Tamilnadu. Excise duty - 10.30% and VAT - 5%.

10.3 MS CASING PIPE

Sl. No.	Description	Unit	Rate for 2011-12 in Rupees
	Supply and delivery of MS Casing pipes confirming to IS		
1	100 mm	Metre	624.00
2	125 mm	Metre	780.00
3	150 mm	Metre	936.00

Note: The above rates are inclusive of VAT and transportation charges anywhere in Tamilnadu. Excise duty - 10.30% and VAT - 5%.

11.0 RCC NON PRESSURE SPUN PIPE AS PER IS 458/2003

RCC non pressure spun pipe with socket and spigot ends as per IS 458/2003 manufactured with sulphate resistence cement with 12 mm HI -alumina lining with rubber ring joints.

Sl. No.	Internal Dia.	Unit	Rate for 2011-12 in Rupees		
			NP2 Class	NP3 Class	NP4 Class
1	2	3	4	5	6
1	200mm	One metre	464.00	475.00	495.00
2	250mm	One metre	548.00	576.00	607.00
3	300mm	One metre	733.00	762.00	803.00
4	350mm	One metre	980.00	1008.00	1064.00
5	400mm	One metre	1262.00	1393.00	1451.00
6	450mm	One metre	1635.00	1771.00	1933.00
7	500mm	One metre	1981.00	2006.00	2229.00
8	600mm	One metre	2120.00	2306.00	2570.00
9	700mm	One metre	3120.00	3519.00	3640.00
10	800mm	One metre	3633.00	4208.00	4539.00
11	900mm	One metre	4008.00	4852.00	5248.00
12	1000mm	One metre	4753.00	5369.00	6204.00
13	1100mm	One metre	5665.00	7669.00	8540.00
14	1200mm	One metre	6501.00	9361.00	10306.00
15	1400mm	One metre	7776.00	11587.00	13795.00
16	1500mm	One metre	15287.00	15967.00	16710.00
17	1600mm	One metre	17783.00	18440.00	19308.00

Note: . The rate is inclusive of VAT at 5 % and transportation charges anywhere in Tamilnadu.Excise duty at 10.30% extra

11.1 RUBBER GASKETS AS PER IS 5382/1985

Sl. No.	Description	Unit	Rate for 2011-12 in Rupees		
			NP2	NP3	NP4
1	2	3	4	5	6
1	200mm	Each	29.00	34.00	40.00
2	250mm	Each	34.00	40.00	46.00
3	300mm	Each	40.00	46.00	52.00
4	350mm	Each	46.00	57.00	63.00
5	400mm	Each	52.00	74.00	80.00
6	450mm	Each	57.00	86.00	92.00
7	500mm	Each	63.00	92.00	97.00
8	600mm	Each	103.00	132.00	138.00
9	700mm	Each	143.00	166.00	178.00
10	800mm	Each	160.00	195.00	201.00
11	900mm	Each	195.00	245.00	252.00
12	1000mm	Each	252.00	257.00	268.00
13	1100mm	Each	281.00	286.00	292.00
14	1200mm	Each	292.00	304.00	315.00
15	1400mm	Each	424.00	516.00	527.00
16	1500mm	Each	664.00	675.00	688.00
17	1600mm	Each	733.00	755.00	778.00

Note: The rate is inclusive of Excise duty at 10.30%, VAT at 5% and transportation charges anywhere in Tamilnadu.

12.0 CI D/F SLUICE VALVE WITH CAP/ WHEEL AS PER IS 14846/2000 PN 1.0 WITH ISI MARKING

Sl. No.	Description	Unit	Rate for 2011 - 12 in Rupees	
			With Excise Duty	Without Excise Duty
1	2	3	4	5
1	50 mm	Each	2439.00	2211.00
2	65mm	Each	2936.00	2571.00
3	80mm	Each	3073.00	2786.00
4	100mm	Each	4096.00	3713.00
5	125mm	Each	5128.00	4649.00
6	150mm	Each	6176.00	5599.00
7	200mm	Each	10782.00	9775.00
8	250mm	Each	17204.00	15597.00
9	300mm	Each	21435.00	19434.00
10	350mm	Each	35691.00	32359.00
11	400mm	Each	44612.00	40446.00
12	450mm	Each	54630.00	49529.00
13	500mm	Each	70381.00	63809.00
14	600mm	Each	100880.00	91460.00
15	700mm	Each	188650.00	171034.00
16	750mm	Each	217604.00	197284.00
17	800mm	Each	272598.00	247142.00
18	900mm	Each	349609.00	316962.00
19	1000mm	Each	439490.00	398450.00
20	1100mm	Each	633455.00	574302.00
21	1200mm	Each	683019.00	619238.00

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu

Excise duty at 10.30%.

12.1 C.I. D/F REFLUX VALVE AS PER I.S. 5312/ PART I/ 84 PN 1.0 WITH BYE-PASS ARRANGEMENTS WITH ISI MARKING

Sl. No.	Description	Unit	Rate for 2011-12 in Rupees	
			With excise duty	Without excise duty
1	2	3	4	5
1	50 mm	Each	2441.00	2213.00
2	65 mm	Each	2857.00	2590.00
3	80 mm	Each	3467.00	3144.00
4	100 mm	Each	4472.00	4055.00
5	125 mm	Each	5576.00	5055.00
6	150 mm	Each	6781.00	6148.00
7	200 mm	Each	13598.00	12328.00
8	250 mm	Each	20047.00	18175.00
9	300 mm	Each	26202.00	23756.00
10	350 mm	Each	41210.00	37362.00
11	400 mm	Each	62943.00	57065.00
12	450 mm	Each	75894.00	68807.00
13	500 mm	Each	109354.00	99142.00
14	600 mm	Each	146890.00	133173.00

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu.

Excise duty at 10.3%.

12.2 C.I. DOUBLE AIR VALVE AS PER G & K CATALOGUE Fig. H40

Sl. No.	Description	Unit	Rate for 2011-12 in Rupees	
			With excise duty	Without excise duty
1	2	3	4	5
1	40 mm	Each	3554.00	3222.00
2	50 mm	Each	4388.00	3979.00
3	65 mm	Each	5034.00	4564.00
4	80 mm	Each	5933.00	5379.00
5	100 mm	Each	8078.00	7324.00
6	125 mm	Each	14011.00	12702.00
7	150mm	Each	16192.00	14679.00
8	200mm	Each	24511.00	22222.00

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu

Excise duty at 10.3%.

12.3 CI SINGLE AIR VALVE AS PER G&K CATALOGUE Fig.H4

Sl. No	Description	Unit	Rate for 2011 - 12 in Rupees	
			With excise duty	Without excise duty
1	2	3	4	5
1	15mm	Each	638.00	579.00
2	20 mm	Each	712.00	646.00
3	25 mm	Each	921.00	835.00
4	40 mm	Each	1151.00	1043.00
5	50 mm	Each	1275.00	1156.00
6	65 mm	Each	1487.00	1349.00
7	80 mm	Each	1707.00	1548.00
8	100 mm	Each	1860.00	1686.00
9	125mm	Each	3207.00	2907.00
10	150 mm	Each	4586.00	4158.00

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu.

Excise duty at 10.30%.

DI SINGLE CHAMBER AIR RELEASE VALVE

Specification: Manufacture, supply and delivery of DI single chamber air release valves with body and cover in Ductile Iron of Grade GGG 40. All internal parts such as float, shell etc., all cover bolts, of austenitic alloy steel, Dn 50 Float of HOSTAFLON and Gaskets and seals of EDPM. Epoxy powder coating (EP-P) inside and outside colour blue RAL 5005.

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	50mm	each	25347.00
2	80mm	each	33815.00
3	100mm	each	39480.00
4	150mm	each	48062.00
5	200mm	each	52639.00

Note: The rates are inclusive of Transportation charges.
Excise duty at 10.30% and VAT at 5% extra.

12.5 CI SLUICE VALVES NON RAISING SPINDLE TYPES TO PRESSURE RATING OF 1.6 PN TO BE USED IN PUMP HOUSES (LONG BODY/ LONG FACE TO FACE) Conforming to IS.

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees	Remarks
1	2	3	4	5
1	100mm	1No.	5496.00	
2	125mm	1No.	7247.00	
3	150mm	1No.	8481.00	
4	200mm	1No.	13815.00	
5	250mm	1No.	18614.00	
6	300mm	1No.	25691.00	
7	350mm	1No.	48829.00	With spur gear arrangements
8	400mm	1No.	69949.00	With spur gear arrangements
9	450mm	1No.	88487.00	With spur gear arrangements
10	500mm	1No.	104775.00	With spur gear arrangements
11	600mm	1No.	156134.00	With spur gear arrangements

Note: The rate is inclusive of taxes, duties and handling charges.
Excise duty at 10.30%,VAT at 5%.

12.6 BUTTERFLY VALVES WITH TOP AND BOTTOM OF S.S. 410 SHAFT, WAFER LINER/ WITH REDUCTION GEAR UNIT INCLUDING ALL TAXES, DUTIES AND HANDLING CHARGES (Conforming to BS 5155 & IS)

12.6.1 WAFER LINER

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	100mm	1 No	2029.00
2	150mm	1 No	2875.00
3	200mm	1 No	7981.00
4	250mm	1 No	10304.00
5	300mm	1 No	13843.00

12.6.2 D/F GEAR OPERATED

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	400mm	1 No	63056.00
2	450mm	1 No	66132.00
3	500mm	1 No	69208.00
4	600mm	1 No	95352.00

Conforming to standard BS 5155 Butterfly valve with Body, Disc and retainer of Cast Iron Grade F.260 with EDPM rubber sleeve. Internal hardware shall be confirming to AISI 304. External hardware Carbon Steel shall be confirming to IS 1367. Top and bottom shaft stainless steel to AISI 410. Body and disc should be tested (Hydro test) to 15 kg/sq.cm.

12.7 NON RETURN VALVES

12.7.1 WAFER TYPE (DUAL PLATE CHECK VALVE) CONFORMING TO IS

Sl. No.	Description	Unit	Rate for 2011-12 in Rupees
1	2	3	4
1	100mm	1 No	2691.00
2	150mm	1 No	6285.00
3	200mm	1 No	10991.00
4	250mm	1 No	19575.00
5	300mm	1 No	24467.00

12.7.2 DOUBLE FLANGED (DUAL PLATE CHECK VALVE)

Sl. No.	Description	Unit	Rate for 2011-12 in Rupees
1	2	3	4
1	400mm	1 No.	61003.00
2	450mm	1 No.	76720.00
3	500mm	1 No.	84238.00
4	600mm	1 No.	102692.00

Construction conforming to standard API 594. Body should confirm cast iron Grade FG 260 (IS 210), Disc plates confirming to ASTM A216, hinch pin/ stop pin/ spring should be of SS to AISI 410/304. Body seat should be of EDPM rubber. The body should be tested to 15 kg/ sq.cm and seat should be tested to 10 kg/ sq.cm

12.7.3 D/F NON RETURN VALVE (OUT DOOR USE)

CI SINGLE DOOR/ MULTY DOOR NON RETURN VALVE CONFORMING TO IS 5312 TO BE FIXED AFTER WATER METER/ FLOW RECORDER ON PUMPING MAIN NEAR PUMP HOUSE WITH DASH POT ARRANGEMENT FOR 90% FAST CLOSING & 10% SLOW CLOSING.

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	2	3	4
1	300mm	1 No.	57988.00
2	350mm	1 No.	85431.00
3	400mm	1 No.	107379.00
4	450mm	1 No.	141976.00
5	500mm	1 No.	171862.00
6	600mm	1 No.	238293.00
7	700/750mm	1 No.	373770.00
8	800mm	1 No.	433915.00

12.8 KINETIC AIR VALVES FOR HANDLING MORE VOLUMES OF AIR IN PUMPING MAIN, DOUBLE ORIFICE KINETIC AIR VALVE CONFIRMING TO IS 4845 TAMPER PROOF DESIGN (PN-1)

Sl.No.	Description	Unit	Rate for 2011-12 In Rupees
1	50mm	1 No	9480.00
2	80mm	1 No	10935.00
3	100mm	1 No	13503.00
4	150mm	1 No	28973.00
5	200mm	1 No	42647.00

Note: Excise Duty at 10.30%, VAT at 14.5% extra

12.9 DI D/F GATE VALVES

SUPPLY AND DELIVERY OF DI D/F GATE VALVES (SOFT SEATED) RESILIENT SEATED SOFT SEALING GATE VALVES (SLUICE VALVES) WITH BODY BONNET OF DUCTILE CAST IRON OF GRADE GGG40, WEDGE FULLY RU BBER LINED WITH EPDM, REPLACEABLE SPINDLE NUT, WITHOUT GLAND PACKING AND WITH 3 O-RING PROTECTION ON THE SHAFT AND SEALS OF NBR AND THE VALVES SHOULD BE OF VACLUM TIGHT AND 100% LEAK PROOF WITH FACE TO FACE DIMENTIONS AS EPR BS5163-89/ ISI 4846-2000/ DIN 3202 F 4. ALL THE VALVES SHOULD BE WITH ELECTROSTATIC POWDER COATING BOTH INSIDE AND OUTSIDE WITH POCKET LESS STRAIGHT THRO' BODY PASSAGE. ALL LTHE VALVES ARE TO BE COMPATIBLE FOR BURRIED APPLICATION WITH PRESSURE RATING PN 10/16

Sl.No.	Description	Unit	Rate for 2011-12 In Rupees
1	50mm	1 No	6405.00
2	80mm	1 No	7908.00
3	100mm	1 No	10425.00
4	150mm	1 No	16414.00
5	200mm	1 No	27278.00
6	250mm	1 No	39602.00
7	300mm	1 No	57097.00
8	350mm	1 No	172874.00
9	400mm	1 No	181316.00

Note: The rates are inclusive of duties, all taxes, transportation charges etc.
Excise duty 10.3%, VAT 5%.

12.10 DI D/F BUTTERFLY VALVES

SUPPLY AND DELIVERY OF DI D/F BUTTERFLY VALVES WITH GGG 400/12 OR EQUIVALENT GRADE AS PER IS3896 (PART 2) 1985 AND SUBSEQUENT REVISIONS DOUBLE ECENTRICALLY DISC WITH RENEVABLE SOFT SEAL ON THE DISC AND BODY SEAT FACE OF STAINLESS STEEL / NICKEL WELD OVERLAY MICROFINISHED WITH POWDER OR LIQUID EPOXY COATING WITH MINIMUM THICKNESS OF 250 MICRONS APPLIED ON BOTH BODY AND DISC INSIDE AND OUTSIDE FACE TO FACE DIMENSIONS AS PER AWWA C 504 OR BS 5155 OR IS 13095

Sl.No.	Description	Unit	Rate for 2011-12 In Rupees	
			PN 10	PN16
1	400mm	1 No	94660.00	129986.00
2	450mm	1 No	132089.00	147499.00

3	500mm	1 No	134161.00	158361.00
4	600mm	1 No	175837.00	211992.00
5	700mm	1 No	274247.00	315381.00
6	800mm	1 No	345399.00	397209.00
7	900mm	1 No	431681.00	496434.00
8	1000mm	1 No	555984.00	639382.00
9	1100mm	1 No	733847.00	843924.00
10	1200mm	1 No	861250.00	863548.00

Note: The rates are inclusive of duties, all taxes, transportation charges etc.
Excise duty 10.30%, VAT 5%

12.11 OHT FLOW CONTROL VALVE

Sl. No.	Description	Unit	Rate for 2011-12 in Rupees
	Supply and delivery of the following sizes of OHT flow control valve with female BSP treaded ends, (20mm length) with Stainless Steel Body as per ANSI 202 Grade, Plug, Flange – Nylon 66, (to be tested at NABL accredited lab.) Triangular notch type flow control path with opening reference scale arrangements for flow notch and Upstream & Downstream pressure checking spring loaded mouth arrangements. Working Pressure 10 KSC, (FCRI, Palgaut pressure test and flow test to be furnished).		
a.	40mm (1 lpm to 400lpm adjustable type arrangements)	each	4,485.00
B.	100mm (20 lpm TO 2000 lpm adjustable type arrangements)	each	15,300.00

Note: The above rates are inclusive all taxes and transportation charges.

13.0 SALT GLAZED STONEWARE PIPE AS PER IS 651-1992 OF 0.6 M LENGTH

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	2	3	4
1	100mm	Each	55.00
2	150mm	Each	92.00
3	200mm	Each	155.00
4	250mm	Each	266.00
5	300mm	Each	451.00

Note: Excise duty 'Nil'. The rate is inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu.

14.0 SULPHATE RESISTANT CEMENT AS PER IS 12330/1988

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	2	3	4
1	Sulphate Resistant Cement as per IS 12330/1988 and as amended from time to time.	MT	Rs.5800.00

Note: The rate is inclusive of duties all taxes and at F.O.R destination

15.0 FIBER REINFORCED CONCRETE FRAME AND COVER AS PER TYPE HD - 20, IS 12592, PART 1 & 2

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	2	3	4
1	56cm dia heavy duty	Each	1889.00
2	56cm dia extra heavy duty	Each	2137.00
3	60 cm dia heavy duty	Each	2365.00
4	60 cm dia extra heavy duty	Each	2617.00

Note: Excise duty 'Nil'. The rate is inclusive of VAT at 14.5% and transportation charges anywhere in Tamilnadu.

16.0 WATER METER CONFORMING TO ISO 4064 & DIRT BOX STRAINER

Supply and delivery of Woltman model with removal mechanism water meters confirming to ISO 4064 part I, II,III class B with life cycle test certificate from FCRI or any Govt . Organisation . The water meters shall have magnetic drivers or mechanical drivers and shall be versatile for installation in any position . The meters shall be hydrodynamically, hydrostatically balanced. The runner, runner chamber, pointers of the meter shall be as per ISO 4064 class B specification. Dry dial excavated counter housing fully protected against flooding ensuring easy reading in all climates.

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees		
			Water meter	Dirt Box	Erection Charges
1	2	3	4	5	6
1	15 mm	Each	931	..	
2	20mm	Each	1207	..	
3	25mm	Each	3231	..	
4	40mm	Each	6836	..	
5	50mm	Each	9933	2069	1475.00
6	80mm	Each	12589	4214	1800.00
7	100mm	Each	14026	4980	2850.00
8	150mm	Each	26513	7662	3650.00
9	200mm	Each	33891	8267	4150.00
10	250mm	Each	59063	19754	4800.00
11	300mm	Each	92358	38310	4825.00
12	400mm	Each	159685	66066	5000.00
13	500mm	Each	181114	99606	5000.00

Note: 1.Excise Duty' Nil' for Watermeter and Dirtbox Strainer.
2.The rate is inclusive of TNVAT at 5% and transportation charges anywhere in Tamilnadu.
3.Erection charges includes earth work excavation,labour charges, cutting and threading, conveyance, weldingand hire charges for tools and plants etc complete.

16.1 SUPPLY, DELIVERY, FIXING TESTING AND COMMISSIONING OF BEST EFFICIANT ORIFICE TYPE ELECTRONIC WATER METER USING DIFFERENCIAL PRESSURE SENSING ELEMENT WITH FLANGE INSERTABLE ORIFICE PLATE SUITABLE FOR D,D/2 TAPPING AS PER BS 1042 SPECIFICATION.THE METER SHOULD BE SUITABLE TO BE CONNECTED TO CONVERTOR TO GIVE A REMOTE INDICATION OF TOTALISATION AND FLOW RATE WITH A OPTION FOR COMPUTER CONNECTIVITY INCLUDING SENSOR AND TOTALISER INCLUDING ALL TAXES, DUTIES AND HANDLING CHARGES.

Sl.No.	Description	Unit	Rate for 2011-12 in rupees
1	150 to 450mm	1 NO.	200346.00
2	475 to 750mm	1 NO.	223244.00
3	775 to 1200mm	1 NO.	257250.00

Note: The rate includes Excise duty at 10.30%, VAT at 5% handling and installation charges.

17.0 LIQUID CHLORINE

Sl. No.	Description	Unit	Rate for 2011-12 in Rupees.
1	Supply and delivery of Liquid Chlorine as per IS specification (with Chlorine 99.8%, moisture, Na_2O_3, Hydrogen and carbondioxide are to be nil) for water treatment plants in TWAD Board, and to deliver anywhere in Tamil Nadu including loading, freight, u	M.T.	

Note: The above rates are inclusive of excise duty, VAT, transportation charges anywhere in Tamilnadu.Excise duty at 10.30%,VAT at 5%.

18.0 BLEACHING POWDER

Sl. No.	Description	Unit	Rate for 2011-12 in Rupees.
1	Supply and delivery of Stable Bleaching Powder as per IS specification No.1065/1989 and as amended from time to time for GradeI for water treatment plants in TWAD Board, and to deliver anywhere in Tamil Nadu including loading, freight, unloading, stacki	M.T.	

Note: The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu.Excise duty 'Nil'

19.0 HDPE TANK

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	Supply and delivery and fixing of HDPE tank as per IS 12701 / 1996 including loading, unloading, transportation and labour charges for fixing of the GI pipes and specials for pipe connection works including cutting, threading and fixing charges etc.,		
	200 litres	1 No.	1,134.00
	500 litres	1 No.	2,783.00
	1000 litres	1 No.	5,816.00

20.0 ALUM

Sl. No.	Description	Unit	Rate for 2011-12 in Rupees.
1	Supply and delivery of Alum (Sulphate of Alumino Ferric) confirming to IS specification 299/1980 and as amended from time to time for delivery at anywhere in Tamil Nadu including loading, freight, unloading, transit insurance and all other incidental charges etc.,	M.T.	6882.00

Note: The above rates are inclusive of all duties, taxes and transportation charges.

Excise duty Nil and VAT at 5%

21.0 MS KIOSK

Sl. No.	Description	Unit	Rate for 2011-12 in Rupees.
1	Supply and delivery of MS Kiosk of size 0.75m x 0.45m x 0.75m made up of MS angle of size 50mm x 50mmx 4mm alround covered with 16 gauge MS sheet and kiosk door made up of MS plates of size 25 mm x 3 mm including cutting, welding, grinding, locking arrangements and labour charges etc.,	1 No	5828.00

22.0 MS LADDER

Sl. No.	Description Of Work	Unit	Rate for 2011-12 in Rupees.
1	Fabrication,supply, delivery and fixing of outside M.S. Ladder of 45cm clear wide made out of 50mm x 50 mm x 6mm M.S. angle for sides and steps in 16mm MS plain rods fixed at 30 cm C/C welded jointed etc., providing with suitable side supports, clamps and locking arrangements provided with two coats of approved enamel paint over one coat of redoxide paint, for lproviding access to roof top of OHT of suitable linclined length, including bottom anchorage and transportation and as directed by TWAD Board officers. The rate includes concrete bed block in CC 1:2:4 using 20mm HBGS at top and bottom of suitable size with necessry anchor bolts.	1 No.	10,000 Litres - 14784.00 30,000 litres - 14784.00 60,000 Litres - 15935.00 1,00,000 Litres - 15935.00

23.0 MS DOOR / WINDOW/VENTILATOR

Sl. No.	Description of Work	Unit	Rate for 2011-12 in Rupees.
	Supply and Delivery Fabrication of MS doors and windows with outer frame and shutter frame in MS angle of size 40mm x 40mm x 6 mm with MS flat 25mm x 25mm x 6mm and MS sheet of 18 gauge including ventilating arrangements using 20mm square MS rods with locking arrangements including two coats of approved enamel paint over coat of red oxide including cost of angles, plates, sheets, fabrication charges, cost of hold fast and transportation charges etc., complete.		
i	Fully panelled Double leaf - Door	1.00 x 2.50 m	5371.00
ii.	Fully panelled Double leaf - Door	1.00m x2.10 m	4522.00
iii.	Fully panelled Single leaf - Door	0.90 m x 2.10	3201.00
iv.	Fully panelled Single leaf - Door	0.75 m x2.10	2879.00
v	Fully panelled Single leaf - Door	1.00 m x2.00	3201.00
vi.	Fully panelled Double leaf - Window (without Ventilation)	1.20 m x0.90 m	2527.00
vii	Fully panelled Double leaf - Window (without Ventilation)	0.60 m x 0.90 m	1818.00
viii	Ventilator (without ventilation)	0.45 m x0.60	1111.00

24.0 Water Disinfection Equipment using Silver-Ionisation process

Specification:Supply,delivery,erection and commissioning of the following capacity of micro processor based water disinfection equipment using silver ionization process based on Oligodynamic technology, suitable to provide directly to pumping main, or to sump or to overhead tank, with by-pass arrangements, controlling valves, micro processor based control panel, in-built transformer, relay miniature circuit breaker, tool kits, spares etc. The water chambers are made of corrosion free stainless steel confirm to SS 304 investment casting, capable to withstand a pressure of 10 Ksc with inbuilt electrodes mounted on powder coated mild steel cabinet of 20gg thickness with universal lock and key for safety. The control panel should have pump active indication to show that the water is flowing inside the chamber, electrode OK indication- to show that the electrode is working, Electrode high indication to show that electrode is clogged and electrode low indication to show that electrode is nearing completion, for easy maintenance of the equipment. The silver ions produced by the electrode is totally non toxic at the dosed levels,
as permitted by BIS standard and the residual effect of the disinfectant is long lasting for more than 2 days.The equipment is powered by a single phase 220V/50Hz power supply and provided with an on site disinfectant analysing kit with consumables to do a minimum of 10 tests. The efficacy of the equipment must be proved by the reputed laboratories like NEERI, Nagpur,ITRC,Luknow.

Sl. No.	Capacity of water disinfection equipment in litres/ hour	unit	Rate for 2011-12 in Rupees.
1	1000	each	13,750.00
2	2000	each	16500.00
3	3000	each	39715.50
4	5000	each	41547.00
5	10000	each	75102.50
6	15000	each	80194.40
7	25000	each	161700.00
8	50000	each	296835.00
9	100000	each	403095.00
10	200000	each	785400.00
11	300000	each	1178100.00
12	400000	each	1570800.00
13	500000	each	1963500.00

Note :1. Excise Duty is 'nil'. The rate is inclusive of transportation and Sales tax etc.,
2.The rate is inclusive of electrodes in-built with equipment.

24.1 REPLACEMENT OF ELECTRODE FOR WATER DISINFECTION EQUIPME NT USING SILVER IONIZATION

Specification: Supply and delivery of electrode assembly suitable for water disinfection equipment using silver ionization process using pure silver metal electrode and fixed on PVC/Nylon sheets and nuts with electrical leads for the following capacities. The supply should be with the quality test certificate from approved organisations.

Sl. No	Capapcity LPH	Life of electrodes in million litre at dosage		Rate for 2011-12 in Rupees
		0.01mg/lt	0.005mg/lt	
1	1,000			1488.00
2	2,000			2,480.00
3	3,000	6	12	3,780.00
4	5,000	8	16	4,200.00
5	10,000	9	18	4,620.00
6	15,000	15	30	6,300.00
7	25,000	30	60	16,800.00
8	50,000	60	120	33,600.00
9	100,000	120	240	67,200.00
10	200,000	240	480	134,400.00
11	300,000	360	720	201,600.00
12	400,000	480	960	268,800.00
13	500,000	600	1,200	336,000.00

The above rates are inclusive of VAT at 5% and transportation charges anywhere in Tamilnadu. Excise Duty 'Nil'

24.2 ELECTRO CHLORINATOR BASED ON COMMON SALT

Sl. No	Capacity in litres per day	Rate for 2011-12 in Rupées.
1	50,000	35450.00
2	100,000	40,511.00
3	1,50,000	56,150.00
4	200,000	62,491.00
5	2,50,000	75,700.00
6	3,00,000	83,650.00
7	3,50,000	91,550.00
8	4,00,000	98,750.00
9	4,50,000	105,900.00
10	500,000	105,900.00

The above rates are inclusive of excise duty at 10.30%, VAT at 5% and transportation charges anywhere in Tamilnadu.

25.0 PROVIDING EPOXY COATING TO REINFORCEMENT STEEL BARS

Sl No.	Description	unit	Rate for 2011-12 in Rupees.
	Providing Fusion Bonded Epoxy coating not less than 175microns thickness and upto 300 microns to reinforcement of all diameters as per IS 13620/1993 including testing of coating at plant.The cost is inclusive of cost on account of careful handling, PVC coated binding wires, touchup material supplied by coating agency, repair work, loading, unloading and strengthening of bent rods etc., complete as per specification and as directed by the Engineer in charge. (inclusive of all taxes)		
a.	for 8mm to 16mm	MT	13283.00
b.	for 20mm to 32mm	MT	9471.00

Note : Transportation charges included.

26.0 MECHANICAL JOINT COLLARS

Sl No.	Description	unit	Rate for 2011-12 in Rupees.
	Supply and Delivery of MJ Collars.		
1	100mm	Each	1951.00
2	150mm	Each	3034.00
3	200mm	Each	3957.00
4	250mm	Each	5518.00
5	300mm	Each	7164.00
6	350mm	Each	10724.00
7	400mm	Each	12127.00
8	450mm	Each	14037.00
9	500mm	Each	18150.00
10	600mm	Each	22929.00

The above rates are inclusive of Excise duty 10.30% and VAT at 5%

26.1 JOINTING OF MECHANICAL JOINT COLLARS

Sl No.	Description	unit	Rate for 2011-12 in Rupees.
	Labour charges for jointing of mechanical joint collar, nuts, gasket and fixing in position as directed by departmental officers.		
1	100mm	Joint	45.00
2	150mm	Joint	110.00
3	200mm	Joint	114.00
4	250mm	Joint	174.00
5	400mm	Joint	364.00
6	450mm	Joint	401.00
7	600mm	Joint	796.00

27.0 DISJOINTING OF GI PIPES

Sl No.	Description	Unit	Rate for 2011-12 in Rupees.
	Disjointing of GI pipes as directed by the departmental officers		
1	Upto 80mm	Each	29.00
2	Above 80mm	Each	44.00

27.1 WELDING OF G.I. PIPES

Sl No.	Description	unit	Rate for 2011-12 in Rupees.
1	Welding of GI pipes as directed by the departmental officers for the sizes		
a)	Upto 80 mm	one welding joint	100.00
b)	100 mm to 150 mm	one welding joint	115.00

RATES FOR PUMPSETS

For individual specifications for various items regarding pump sets & Electrical Equipments, the specifications already given in the Manual for Pump sets should be followed.

1.0 CENTRIFUGAL MONOBLOC PUMPSET WITH ISI MARK AS PER IS 9079/1989 WITHOUT PANEL BOARD (3 PHASE)

Sl. No.	Duty lpm x m	H.P. of Pumpset	Unit	Rate for 2011-12 in rupees
1	2	3	4	5
1	100x20	1.5	1 No	6341.00
2	150x20	1.5	1 No	9150.00
3	200x20	2	1 No	9708.00
4	250x20	3	1 No	10744.00
5	300x20	3	1 No	12420.00
6	350x20	3	1 No	12420.00
7	400x20	3	1 No	12887.00
8	450x20	3	1 No	12887.00
9	500x20	5	1 No	12887.00
10	700x20	5	1 No	15275.00
11	50x35	1.5	1 No	9548.00
12	100x35	3	1 No	11458.00
13	150x35	5	1 No	15936.00
14	200x35	5	1 No	17940.00
15	250x35	5	1 No	17940.00
16	300x35	5	1 No	19700.00
17	350x35	7.5	1 No	19918.00
18	400x35	7.5	1 No	20887.00
19	450x35	7.5	1 No	20917.00
20	500x35	7.5	1 No	20917.00
21	50x50	5	1 No	17940.00
22	100x50	5	1 No	17940.00
23	150x50	5	1 No	19558.00
24	200x50	7.5	1 No	19558.00
25	250x50	7.5	1 No	19558.00
26	300x50	7.5	1 No	21514.00
27	350x50	10	1 No	24504.00
28	400x50	10	1 No	24504.00
29	500x60	10	1 No	30380.00

Note: Rates are excluding excise duty and VAT
Excise duty at 4.12% as extra
TNVAT at 5% on Rate + excise duty as extra

2.0 SINGLE PHASE SUBMERSIBLE PUMPSET AS PER IS 8034 WITHOUT PANEL BOARD

Sl. No.	Duty lpm x m	H.P. of Pumpset	Unit	Rate for 2011-12 in Rupees
1	2	3	4	5
1	15x40	0.5	1 No	10142.00
2	15x50	0.5	1 No	10825.00
3	15x60	0.5	1 No	11341.00
4	15x70	0.75	1 No	12531.00
5	15x80	1	1 No	12631.00
6	15x90	1	1 No	13026.00
7	15x100	1	1 No	13900.00
8	15x125	1.5	1 No	15791.00
9	15X150	2	1 No	17000.00
10	20x40	0.5	1 No	10592.00
11	20x50	0.5	1 No	11370.00
12	20x60	0.75	1 No	12531.00
13	20x70	0.75	1 No	12975.00
14	20x80	1	1 No	12975.00
15	20x90	1	1 No	13837.00
16	20x100	1	1 No	14800.00
17	20X125	1.5	1 No	15791.00
18	20X150	2	1 No	16900.00

Note: Rates are excluding excise duty and VAT
Excise duty at 4.12% as extra
TNVAT at 5% on Rate + excise duty as extra

3.0 3 PHASE SUBMERSIBLE PUMPSET SUITABLE FOR 100MM DIA BOREWELL WITH ISI MARK IS 8034 WITHOUT PANEL BOARD

Sl. No.	Duty lpm x m	H.P. of Pumpset	Unit	Rate for 2011-12 in Rupees
1	2	3	4	5
1	30x40	0.5	1 No	12200.00
2	30x50	0.75	1 No	13471.00
3	30x60	0.75	1 No	13471.00
4	30x70	0.75	1 No	13471.00
5	30x80	1	1 No	13471.00
6	30x90	1	1 No	14700.00
7	30x100	1.5	1 No	14700.00
8	30x125	2	1 No	16100.00
9	40x40	0.75	1 No	12934.00
10	40x50	0.75	1 No	13600.00
11	40x60	1	1 No	13904.00
12	40x70	1	1 No	14571.00
13	40x80	1	1 No	15173.00
14	40x90	1	1 No	16349.00
15	40x100	1	1 No	16349.00

Note: Rates are excluding excise duty and VAT
Excise duty at 4.12% as extra
TNVAT at 5% on Rate + excise duty as extra

3.1 3 PHASE SUBMERSIBLE PUMPSET SUITABLE FOR 150MM DIA BOREWELL WITH ISI MARK IS 8034 WITHOUT PANEL BOARD

Sl. No.	Duty lpm x m	H.P. of Pumpset	Unit	Rate for 2011-12 in Rupees
1	2	3	4	5
1	50x40	2	1 No	17579.00
2	50x50	2	1 No	18307.00
3	50x60	2	1 No	18622.00
4	50X75	3	1 No	19941.00
5	50x100	3	1 No	23000.00
6	50x125	4	1 No	23023.00
7	50x175	5	1 No	29600.00
8	50x200	6	1 No	32400.00
9	50x225	7.5	1 No	42141.00
10	50x250	10	1 No	42215.00
11	50x275	10	1 No	48644.00
12	75x40	2	1 No	16878.00
13	75x50	3	1 No	17113.00
14	75x60	3	1 No	19900.00
15	75x75	3	1 No	21790.00
16	75x100	4	1 No	23000.00
17	75x125	4	1 No	27476.00
18	75x150	5	1 No	29100.00
19	75x175	6	1 No	29626.00
20	75x200	7.5	1 No	31825.00
21	75x225	10	1 No	42141.00
22	75x250	10	1 No	48644.00
23	75x275	10	1 No	47569.00
24	100x30	1.5	1 No	16432.00
25	100x40	2	1 No	16878.00
26	100x50	3	1 No	19900.00
27	100x60	3	1 No	19900.00
28	100x75	3	1 No	22600.00
29	100x100	4	1 No	24544.00
30	100x125	5	1 No	28195.00

Sl. No.	Duty lpm x m	H.P. of Pumpset	Unit	Rate for 2011-12 in Rupees
1	2	3	4	5
31	100x175	7.5	1 No	31800.00
32	100x200	10	1 No	31825.00
33	100x225	10	1 No	42141.00
34	100x250	10	1 No	46355.00
35	125x25	1.5	1 No	15825.00
36	125x40	3	1 No	18408.00
37	125x50	3	1 No	19400.00
38	125x60	3	1 No	19400.00
39	125x75	3	1 No	22572.00
40	125x100	4	1 No	24628.00
41	125x125	6	1 No	29100.00
42	125x200	10	1 No	39174.00
43	125x225	10	1 No	47044.00
44	150x25	1.5	1 No	16900.00
45	150x40	3	1 No	16929.00
46	150x50	3	1 No	20156.00
47	150x60	3	1 No	20708.00
48	150x75	4	1 No	22572.00
49	150x100	5	1 No	28000.00
50	150x125	6	1 No	29100.00
51	175x40	3	1 No	18408.00
52	175x50	3	1 No	20156.00
53	175x60	3	1 No	21146.00
54	175x75	5	1 No	24055.00
55	175x100	6	1 No	30455.00
56	200x25	2	1 No	18199.00
57	200x40	4	1 No	20156.00
58	200x50	4	1 No	21425.00
59	200x60	4	1 No	24055.00
60	200x75	6	1 No	26772.00
61	200x100	7.5	1 No	30369.00
62	200x125	10	1 No	33488.00

Sl. No.	Duty lpm x m	H.P. of Pumpset	Unit	Rate for 2011-12 in Rupees
1	2	3	4	5
63	250x40	4	1 No	21381.00
64	250x50	5	1 No	23530.00
65	250x60	5	1 No	24815.00
66	250x75	6	1 No	28891.00
67	250x100	7.5	1 No	31831.00
68	250x125	10	1 No	35361.00
69	300x40	5	1 No	21381.00
70	300x50	6	1 No	24383.00
71	300x60	7.5	1 No	27454.00
72	300x75	10	1 No	35200.00
73	300x100	10	1 No	40187.00
74	350x40	5	1 No	22048.00
75	350x50	7.5	1 No	26843.00
76	350x60	7.5	1 No	31300.00
77	350x75	10	1 No	35746.00
78	350x100	10	1 No	40393.00
79	400x40	5	1 No	23520.00
80	400x50	7.5	1 No	27454.00
81	400x60	10	1 No	33390.00
82	400x75	10	1 No	35746.00
83	500x40	5	1 No	26900.00
84	500x50	7.5	1 No	30475.00
85	500x75	10	1 No	38643.00
86	600x40	5	1 No	25167.00
87	600x50	10	1 No	33915.00
88	600x75	12.5	1 No	39076.00

Note: Rates are excluding excise duty and VAT
Excise duty at 4.12% as extra
TNVAT at 5% on Rate + excise duty as extra

4.0 OPENWELL SUBMERSIBLE PUMPSET WITH ISI MARK IS 14220 WITHOUT PANEL BOARD

Sl. No.	Duty lpm x m	H.P. of Pumpset	Unit	Rate for 2011-12 in Rupees
1	2	3	4	5
1	50x25	1	1 No	11952.00
2	50x40	1	1 No	11952.00
3	50x50	2	1 No	14193.00
4	50x60	2	1 No	17751.00
5	50x75	4	1 No	29116.00
6	50x100	5	1 No	32556.00
7	50x125	6	1 No	38346.00
8	75x25	1	1 No	11952.00
9	75x40	2	1 No	13579.00
10	75x50	2	1 No	15183.00
11	75x60	2	1 No	17751.00
12	75x75	4	1 No	29063.00
13	75x100	5	1 No	32556.00
14	75x125	6	1 No	37878.00
15	75x150	7.5	1 No	48383.00
16	100x25	2	1 No	13420.00
17	100x40	2	1 No	15183.00
18	100x50	3	1 No	23237.00
19	100x60	4	1 No	27850.00
20	100x75	4	1 No	30734.00
21	100x100	5	1 No	32556.00
22	100x125	6	1 No	38346.00
23	125x25	3	1 No	20749.00
24	125x40	3	1 No	21616.00
25	125x50	3	1 No	23237.00
26	125x75	4	1 No	30734.00
27	125x100	5	1 No	32556.00
28	125x125	6	1 No	38346.00
29	150x25	3	1 No	20749.00
30	150x40	3	1 No	21616.00
31	150x50	3	1 No	26709.00
32	150x60	4	1 No	27850.00
33	150x75	4	1 No	30734.00
34	150x100	5	1 No	33900.00
35	150x125	7.5	1 No	48383.00
36	175x25	3	1 No	20749.00
37	175x40	3	1 No	21616.00
38	175x50	3	1 No	26709.00

Sl. No.	Duty lpm x m	H.P. of Pumpset	Unit	Rate for 2011-12 in Rupees
1	2	3	4	5
39	175x60	3	1 No	28590.00
40	175x75	5	1 No	32556.00
41	175x100	6	1 No	35761.00
42	200x25	3	1 No	20749.00
43	200x40	4	1 No	25228.00
44	200x50	4	1 No	27035.00
45	200x60	4	1 No	28590.00
46	200x75	6	1 No	34097.00
47	200x100	7.5	1 No	45007.00
48	200x125	3	1 No	57311.00
49	250x25	3	1 No	20923.00
50	250x40	4	1 No	26879.00
51	250x50	5	1 No	27850.00
52	250x60	5	1 No	30581.00
53	250x75	7.5	1 No	36745.00
54	250x100	7.5	1 No	52951.00
55	250x125	10	1 No	70535.00
56	300x25	3	1 No	21726.00
57	300x40	5	1 No	25694.00
58	300x50	5	1 No	29949.00
59	300x60	6	1 No	30581.00
60	300x75	10	1 No	35100.00
61	300x100	10	1 No	46104.00
62	350x25	3	1 No	18892.00
63	350x40	5	1 No	23450.00
64	350x50	7.5	1 No	27850.00
65	350x60	7.5	1 No	31449.00
66	350x75	10	1 No	36893.00
67	350x100	10	1 No	46104.00
68	400x25	5	1 No	18892.00
69	400x40	5	1 No	23450.00
70	400x50	7.5	1 No	27850.00
71	400x60	7.5	1 No	31449.00
72	400x75	10	1 No	39160.00
73	500x25	5	1 No	18892.00
74	500x40	5	1 No	25126.00
75	500x50	7.5	1 No	32955.00
76	500x75	10	1 No	46208.00
77	600x25	5	1 No	20854.00
78	600x40	7.5	1 No	25126.00
79	600x50	10	1 No	32955.00

Sl. No.	Duty lpm x m	H.P. of Pumpset	Unit	Rate for 2011-12 in Rupees
1	2	3	4	5
80	600x75	12.5	1 No	48636.00
81	700x40	10	1 No	32808.00
82	700x60	15	1 No	46870.00
83	700x80	20	1 No	50899.00
84	700x100	25	1 No	92259.00
85	800x40	10	1 No	32808.00
86	800x60	20	1 No	71605.00
87	800x80	25	1 No	88919.00
88	800x100	30	1 No	94288.00
89	900x40	12.5	1 No	40863.00
90	900x60	20	1 No	71492.00
91	900x80	30	1 No	88919.00
92	900x100	35	1 No	94288.00
93	1000x40	15	1 No	55825.00
94	1000x60	20	1 No	71388.00
95	1000x80	30	1 No	107734.00
96	1000x100	35	1 No	107734.00
97	1250x40	20	1 No	64424.00
98	1250x60	25	1 No	76600.00
99	1250x80	35	1 No	107734.00
100	1250x100	40	1 No	115251.00
101	1500x40	20	1 No	71388.00
102	1500x60	30	1 No	76000.00
103	1500x80	40	1 No	107734.00
104	1500x100	50	1 No	148001.00
105	2000x40	30	1 No	78321.00
106	2000x60	45	1 No	123191.00
107	2000x80	60	1 No	152664.00
108	2000x100	60	1 No	152665.00
109	2500x40	35	1 No	115814.00
110	2500x60	60	1 No	150035.00
111	2500x80	75	1 No	186370.00
112	2500x100	90	1 No	251054.00

Note: Rates are excluding excise duty and VAT
Excise duty at 4.12% as extra
TNVAT at 5% on Rate + excise duty as extra

5.0 HORIZONTAL SPLIT CASING CENTRIFUGAL PUMP (1500 RPM) (BRONZE IMPELLER AND SS410 SHAFT)

Rupees in Lakhs

Sl.No.	Pump Capacity in LPM	Rate for 2011-12										
		Head in Metres										
		25	30	35	40	45	50	55	60	70	80	90
1	1500	1.48	1.48	1.75	1.75	1.76	2.24	2.28	2.30	2.43	2.43	2.72
2	2500	1.49	1.49	1.81	1.87	2.27	2.29	2.27	3.11	2.77	2.87	2.87
3	3000	1.56	1.49	1.87	1.87	2.21	2.32	2.30	3.09	3.08	2.95	2.98
4	3500	1.49	1.49	1.87	1.87	2.66	2.74	3.03	3.15	3.20	3.48	3.01
5	4000	1.72	1.72	1.87	1.87	2.43	2.74	2.96	3.00	3.07	3.02	3.02
6	5000	1.98	1.98	1.98	2.16	2.82	3.20	3.14	3.45	3.59	4.31	4.31
7	6000	1.87	1.87	2.78	2.83	2.83	3.03	3.45	3.72	3.98	4.31	4.31
8	7000	2.58	2.67	2.83	2.83	3.10	3.30	3.30	3.72	3.73	6.79	4.75
9	8000	2.59	2.67	2.68	2.83	3.12	3.33	3.36	3.47	6.36	4.31	4.75
10	9000	2.59	2.77	2.78	3.24	3.24	3.24	3.28	3.74	6.79		
11	10000	2.59	2.84	2.79	3.43	3.44	3.37	3.37	6.17	7.79	7.79	7.84
12	15000	3.19	3.35	3.20	3.93	3.93	4.75	5.20	6.79	7.79	7.79	7.84
13	20000	4.41	7.41	5.02	8.28	9.11	9.11	9.11	9.11	9.11	9.11	9.11
14	25000	8.91	9.11	9.11	9.11	9.11	9.11	9.11	9.11	9.11	9.11	9.11
15	30000	9.06	9.41	9.86	9.86	9.86	9.86	9.86	11.81	13.00		

Note: 1) The Rates are inclusive of MS base plate, flexible tyre coupling and foundation bolts.

2) The Rates are inclusive of duties all taxes handling charges and at F.O.R. destination.

3) Efficiency may be taken from universal curve for calculation of motor HP other wise manufacturers may be consulted for efficiency curve.

4) NPSH requirement should be assessed and sump should be designed accordingly.

5) Excise duty at 10.3%, VAT 5%

6.0 HORIZONTAL SQUIRREL CAGE MOTOR 1500 RPM

AC 3 Phase /415 V/ Horizontal SPDP 4 Pole Squirrel cage Induction motor for HSC Centrifugal pumps

Sl.No.	KW	HP	Rate for 2011-12 in Rupees
1	2	3	4
1	9.3	12.5	60646.00
2	11	15	63914.00
3	15	20	79464.00
4	18.5	25	100170.00
5	22	30	110169.00
6	30	40	133735.00
7	37	50	170121.00
8	45	60	216293.00
9	55	75	189930.00
10	75	100	296933.00
11	90	120	312984.00
12	110	150	394574.00
13	125	170	507640.00
14	132	180	537793.00
15	150	200	543040.00
16	160	215	595204.00
17	180	240	633993.00
18	187	250	663418.00
19	200	270	711569.00
20	220	300	932085.00
21	250	335	1118604.00
22	280	375	1472795.00
23	300	400	1580093.00

Note: The above rates are inclusive of excise duty, taxes handling charges etc.,
Excise duty at 10.3%, VAT at 5%

7.0 HORIZONTAL SQUIRREL CAGE MOTOR 1000 RPM

AC 3 Phase /415 V/ Horizontal SPDP 6 Pole Squirrel cage Induction motor for HSC Centrifugal pumps

Sl.No	KW	HP	Rate for 2011-12 in Rupees
1	2	3	4
1	9.3	12.5	77663.00
2	11	15	81608.00
3	15	20	115013.00
4	18.5	25	135829.00
5	22	30	174835.00
6	30	40	218078.00
7	37	50	272584.00
8	45	60	335794.00
9	55	75	384686.00
10	75	100	461760.00
11	90	120	523795.00
12	110	150	672528.00
13	125	170	800164.00
14	132	180	800164.00
15	150	200	854133.00
16	160	215	921149.00
17	180	240	1289140.00
18	187	250	1309759.00
19	200	270	1417649.00
20	220	300	1603698.00
21	250	335	1632130.00

Note: The above rates are inclusive of excise duty, taxes handling charges etc.,
Excise duty at 10.3%, VAT at 5%.

8.0 VERTICAL TURBINE PUMP (WATER LUBRICATED)1500 RPM SUITABLE FOR VERTICAL HOLLOW SHAFT SQUIRREL CAGE INDUCTION MOTOR

Rupees in lakhs

Sl.No.	Pump Capacity in LPM	Head in Metres									
		Rate for 2011-12									
		15m	20m	30m	40m	50m	60m	70m	80m	90m	100m
1	1500	1.94	1.94	2.06	2.06	2.14	2.20	2.33	2.33	2.58	2.70
2	2000	3.86	4.38	4.83	5.39	6.55	6.30	6.30	7.20	6.55	7.01
3	3000	4.99	5.10	5.65	6.08	6.81	6.94	7.20	7.46	7.01	7.24
4	4000	5.61	5.65	6.85	6.81	7.24	7.24	7.46	7.95	8.18	8.18
5	5000	6.68	6.79	7.24	7.60	8.06	8.06	8.40	8.54	8.65	8.89
6	6000	6.79	6.79	7.24	7.60	8.06	8.06	8.40	8.54	8.65	8.89
7	7000	6.79	6.79	7.24	7.60	8.06	8.06	8.65	8.65	8.65	8.89
8	8000	7.24	7.38	7.60	7.95	8.18	8.18	8.65	8.65	8.65	8.89
9	10000	7.24	7.38	8.36	7.95	8.18	8.40	9.51	8.65	8.89	8.89
10	15000	8.18	8.18	8.18	8.40	8.89	8.89	9.11	9.59	9.81	10.04
11	20000	9.34	9.59	10.05	10.30	10.75	11.69	12.85	13.31	15.19	18.48
12	25000	9.34	9.59	10.05	10.30	10.75	11.69	12.85	13.31	15.19	18.48
13	30000	16.71	17.54	18.51	19.86	19.86	21.04	21.04	23.36	23.36	25.71

1) The above Rates are including excise duty at 10.3%, VAT 5% transportation and handling charges etc.,
2) Multiply with 1.15 for oil lubricated pumps (for raw water)
3) Rates given are with suspension length of 7m, bronze impeller, SS 401 shaft, MS column pipe, discharge case & CI bell mouth.
4) Add 7.5 % extra for each 1.5 m lenth column pipe assembly in the above rate

9.0 VERTICAL HOLLOW SHAFT MOTORS FOR TURBINE PUMP

AC 3 Phase /415 V/ Vertical Hollow Shaft TEFC & SPDP 4 Pole Squirrel cage Induction motor 1500 RPM

Sl.No.	KW	HP	Rate for 201-12 in Rupees
1	2	3	4
TEFC MOTORS			
1	18.5	25	151525.00
2	22	30	162224.00
3	30	40	174166.00
4	37	50	182212.00
5	45	601	194320.00
SPDP MOTORS			
6	55	75	241193.00
7	75	100	319554.00
8	90	120	333735.00
9	110	150	422975.00
10	125	170	432702.00
11	132	180	566832.00
12	150	200	620440.00
13	160	215	668693.00
14	180	240	694629.00
15	187	250	702997.00
16	200	270	784426.00
17	220	300	817903.00
18	250	335	877315.00
19	280	375	1000664.00
20	300	400	1064751.00

Note: The above rates are inclusive of excise duty, taxes etc.,
Excise duty at 10.3%, VAT at 5%

10.0 IRON CORE OIL COOLED TRANSFORMERS WITH COPPER WINDING CONFORMING TO IS 2026

Sl.No.	Rating in KVA	Rate for 2011-12 in Rupees		
		11KV	22KV	11/22KV
1	2	3	4	5
1	160	236250.00	267086.00	279226.00
2	200	270000.00	343135.00	375144.00
3	250	302400.00	376200.00	424350.00
4	315	359100.00	435600.00	473619.00
5	400	406350.00	514800.00	546733.00

Note: : Excise duty at 10.3% ,TNVAT at 5% and handling charges are extra

10.1 OIL NATURAL AND AIR NATURAL COOLED COPPER WINDING H.T. TRANSFORMER CONFORMING TO IS 2026

Sl.No.	Rating in KVA	Rate for 2011-12 in Rupees	
		11KV/ 433 V	22KV/ 433 V
1	2	3	4
1	500	495000.00	550000.00
2	630	540000.00	685000.00
3	750	685000.00	825000.00
3	800	626175.00	820000.00
4	1000	683100.00	975000.00

Note: Excise duty at 10.3% ,TNVAT at 5% and handling charges are extra

11.0 SINGLE PHASE PANEL BOARD WITH TWO LEVEL GUARD AND AUTO START

Sl. No.	HP	Unit	Rate for 2011-12 in Rupees
1	2	3	4
1	1	1 No	3528.00
2	1.5	1 No	3864.00
3	2	1 No	4410.00

Note: 1) The rate are excluding excise duty, and taxes Excise duty 'Nil'.
2) TNVAT at 5% extra over the above rate.
3) The above rates are inclusive of two level guard worth Rs.550/- and Auto Start facility worth Rs.400/-.
4) Timer is not recommended for this panel board.
5) Panel board should be provided as per specification given in Board Circular No.23/ DCE/ Qata/ 2004/dt. 23.8.2004.

11.1 3 PHASE PANEL BOARD - D.O.L. WITH TWO LEVEL GUARD AND AUTO START

Sl. No.	HP	Unit	Rate for 2011-12 in Rupees
1	2	3	4
1	1	1 No	7880.00
2	2	1 No	7880.00
3	3	1 No	7880.00
4	4	1 No	7880.00
5	5	1 No	7880.00
6	6	1 No	7880.00

Note: 1) The rate are excluding excise duty, and taxes Excise duty 'Nil'
2) TNVAT at 5% extra over the above basic price.
3) The above rates are inclusive of two level guard worth Rs.550/- and Auto Start facility worth Rs.400/-.
4) For Timer facility if necessary Rs. 4000 may be added extra.
5) Panel board should be provided as per specification given in Board Circular No.26/ F.13/HOTC/DCE/Qata/2004-2/dt. 22.9.2004.

11.2 3 PHASE PANEL BOARD - STAR DELTA WITH TWO LEVEL GUARD AND AUTO START

Sl. No.	HP	Unit	Rate for 2011-12 in Rupees
1	2	3	4
1	6	1 No	10978.00
2	7.5	1 No	11440.00
3	10	1 No	12978.00
4	12.5	1 No	13514.00
5	15	1 No	13598.00
6	20	1 No	14368.00
7	25	1 No	17339.00

Note:1) The rate are excluding excise duty, and taxes
Excise duty 'Nil'.
2) TNVAT at 5% extra over the above basic price.
3) The above rates are inclusive of two level guard worth Rs.550/- and Auto Start facility worth Rs.400/-.
4) For Timer facility if necessary Rs. 4000 may be added extra.
5) Panel board should be provided as per specification given in Board Circular No.26/ F.13/HOTC/DCE/Qata/2004-2/dt. 22.9.2004.

11.3 DOL STARTER WITH SINGLE PHASING PREVENTOR WITH AMMETER CONFORMING TO IS 13947 WITH AUTO RESTART FACILITY FOR PUMP HOUSES WHERE PANEL BOARDS ARE AVAILABLE)

Up to 10 HP Rating Rs. 4416/-

(The above rates are inclusive of all taxes, duties and handling charges)
Excise duty at 10.3%, VAT 5%

11.4 FLEX COMPENSATED MAGNETIC AMPLIFIER SOFT STARTER SUITABLE FOR L.T. SQUIRREL CAGE MOTOR

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees *
1	2	3	4
1	30 to 37 KW	1 No	157251.00
2	38 to 75 KW	1 No	236445.00
3	76 to 135 KW	1 No	383069.00
4	136 to 160 KW	1 No	431512.00
5	161 to 250 KW	1 No	554742.00
6	251 to 300 KW	1 No	656527.00
7	301 to 500 KW	1 No	1028850.00
8	501 to 750 KW	1 No	1314730.00

**

11.5 FLEX COMPENSATED MAGNETIC AMPLIFIER SOFT STARTER SUITABLE FOR H.T. SQUIRREL CAGE MOTOR

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees *
1	2	3	4
1	250 KW	1 No	577726.00
2	300 KW	1 No	635263.00
3	350 KW	1 No	673620.00
4	400 KW	1 No	731156.00
5	500 KW	1 No	769514.00
6	600 KW	1 No	847016.00
7	700 KW	1 No	885374.00
8	800 KW	1 No	923725.00
9	900 KW	1 No	1002078.00
10	1000 KW	1 No	1077161.00

**

1. * The rates are inclusive of excise duty, taxes etc
   2) DOL Starters are to be adopted upto 6 HP
   3) Air break fully automatic star delta starters are suggested for above 6 HP upto 20 HP except submersible pumpsets for which fully automatic ATS starters are to be adopted.
   4) FCMA soft starter are to be adopted for 100 HP and above.
   5) Excise duty at 10.3%, VAT at 5%

11.6 FULLY AUTOMATIC AIR BREAK STAR DELTA STARTER WITH SINGLE PHASING PREVENTOR WITH AMMETER CONFORMING TO IS 13947 WITH AUTO RESTART FACILITY

Sl.No.	KW Rating	HP	Unit	Rate for 2011-12 in Rupees
1	7.5	10	1 No	10303.00
2	11	15	1 No	10303.00
3	15	20	1 No	10876.00
4	18.5	25	1 No	10876.00
5	22	30	1 No	17745.00
6	30	40	1 No	20323.00
7	37	50	1 No	23183.00

The above rates are inclusive of all taxes, duties and handling charges.
Excise duty at 10.3%, VAT AT 5%

11.7 FULLY AUTOMATIC AIR BREAK AUTO TRANSFORMER STARTER WITH SINGLE PHASING PREVENTORY WITH AMMETER WITH AUTO RESTART FACILITY

Sl.No.	KW Rating	HP	Unit	Rate for 2011-12 in Rupees
1	5.5	7.5	1 No	19669.00
2	7.5	10	1 No	19669.00
3	9	12.5	1 No	22068.00
4	11	15	1 No	23088.00
5	15	20	1 No	53371.00
6	22	30	1 No	60567.00
7	30	40	1 No	65965.00
8	37	50	1 No	98047.00
9	45	60	1 No	115325.00
10	60	80	1 No	134842.00
11	75	100	1 No	150924.00

The above rates are inclusive of all taxes, duties and handling charges.
Excise duty at 10.3%,VAT AT 5%

12.0 L.T. CABLES

3,3.5,4 CORE 1.1 KV GRADE ARMOURED ALUMINUM CONDUCTOR CABLE CONFORMING TO IS 1554 PART I WITH ISI MARKING

Sl.No.	Description	Unit	Rate for 2011-112 in Rupees		
			3 Core	3.5 Core	4 Core
1	2	3	4	5	6
1	4 sq.mm	metre	83.00	--	94.00
2	6 sq.mm	metre	97.00	--	110.00
3	10 sq.mm	metre	118.00	--	118.00
4	16 sq.mm	metre	137.00	--	160.00
5	25 sq.mm	metre	164.00	193.00	206.00
6	35 sq.mm	metre	201.00	229.00	251.00
7	50 sq.mm	metre	261.00	298.00	323.00
8	70 sq.mm	metre	320.00	381.00	442.00
9	95 sq.mm	metre	415.00	495.00	582.00
10	120 sq.mm	metre	510.00	605.00	704.00
11	150 sq.mm	metre	610.00	695.00	844.00
12	185 sq.mm	metre	715.00	825.00	1051.00
13	240 sq.mm	metre	952.00	1110.00	1347.00
14	300 sq.mm	metre	1171.00	1310.00	1645.00
15	400 sq.mm	metre	1410.00	1735.00	2075.00

Note: Excise duty at 10.3% and VAT at 5% are extra.

12.1 PVC INSULATED AND SHEATHED 3 CORE FLAT TYPE COPPER CABLE CONFIRMING TO IS 694/1990

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees	
			With excise duty	Without excise duty
1	1.5 sq.mm	metre	60.00	54.00
2	2.5 sq.mm	metre	90.00	82.00
3	4.0 sq.mm	metre	135.00	122.00
4	6.0 sq.mm	metre	179.00	162.00
5	10.0 sq.mm	metre	313.00	284.00
6	16.0 sq.mm	metre	476.00	432.00

Note: Excise duty 10.3% and VAT 5%

12.2 RATE FOR CABLE JOINTS INCLUDING JOINTING MATERIALS AND LABOUR

The cost of cable per metre will be the cost per joint

12.3 CABLE LAYING

Sl.No.	Description	Rate for 2011-12 per metre for laying below GL including earth work in Rupees	Rate for2011-12 per metre for laying in trenches inside the pump room or in air in Rupees
1	2	3	4
1	Upto 95 sq.mm	81.00	51.00
2	95-240 sq.mm	121.00	78.00
3	240-400 sq.mm	174.00	137.00

12.4 CABLE CLAMPS:

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	Upto 95 sq.mm	each	152.00
2	95- 240 sq.mm	each	203.00
3	240-400 sq.mm	each	305.00

NOTE: 1.For every 3 metre length one set of clamp is to be provided
2.Suitable number of clamps are to be arrived at according to the length
3.Provision for cable trench and delivery pipe ducting are to be provided in pump house detailed estimate.

13.0 VACCUM PUMPSET WITH ACCESSORIES

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	Price for 5 HP Model/Rotary type Vaccum pumpsets (Pumpset + GI pipes + Fittings + Starters + Valves + 100 Lr.Tank) including Transportation, handling charges all taxes and duties	1No	154275.00
2	Price for 10 HP vaccum pumpset with all above Accessories	1No	176055.00
3	150mm dia Pressure Gauge and vaccum gauge including all accessories as per specification (For Suction and Delivery to be mounted on wall on Teak wood Board)	1No	2723.00

14.0 THE ITEM LT CUBICAL PANEL BOARD is-Deleted.

14.0 RATE FOR MOULDED CASE CIRCUIT BREAKER (MCCB)

Sl.No.	Range in AMPS	Rate for 2011-12 in Rupees	
		3 POLE	4 PLOE
1	32-100	7320.00	9120.00
2	125	8800.00	11040.00
3	160	11520.00	14400.00
4	200	19800.00	20400.00
5	250	19680.00	23400.00
6	320	24960.00	31200.00
7	400	25080.00	30000.00
8	630	32400.00	38700.00
9	800	39600.00	49560.00
10	1000	111250.00	125280.00
11	1250	139800.00	162720.00
12	1600	189480.00	222960.00

NOTE:

1) The rates are inclusive of all taxes, duties and handling charges and F.O.R. destination.
2) The rate for MCB for single phase useage the PWD schedule of rates shall be refered.
3) Add 35% cost of MCCB/ACB/MCB towards the cost of fabrication other fittings and labour
4) Upto 15KW distribution box shall be used for more than one outgoing loads and for rates PWD schedule rates shall be refered

15.0 RATE FOR MIXED DIE ELECTRIC CAPACITOR WITH TNEB TEST CERTIFICATE WITH ACCESSORIES INCLUDING BANKING CONFORM TO IS 2834.

Rs.**400/-** per KVAR (including all taxes, duties and handling charges.)

Note:

a. The rate for mixed Die Electric Capacitor with Test Certificate given as **Rs.400/-** per KVAR is inclusive of all taxes and duties and inclusive of Banking charges, such as providing of copper bus bars with provision for adding atleast 2 capacitors at later date, cable entry box, fabricating charges etc. complete. This rate is not applicable for replacement of capacitors which do not require banking and fabrication works.

16.0 LT METERING BOX

Sl.No.	Description	Unit	Rate for 2011-12 In Rupees
1	Upto 50 HP/37 KW (which includes LT meter panel board, 6 Nos. suitable fuse carriers)	1 No.	15246.00
2	75 HP/56 KW (which includes LT meter panel board, 6 Nos. suitable fuse carriers)	1 No.	17787.00
3	Above 75-150 HP/56-112 KW (which includes LT meter panel board, 6 nos, suitable fuse carriers)	1 No.	22234.00
4	In HT supply using LT metering board (Above 150 HP below 200 HP) 112-150 KW	1 No.	38115.00

17.0 TRANSFORMER SUB STATION RELATED WORKS

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	Designing and preparation of CEIG drawings, obtaining Approval and safety certificate including submission of Completion report and rectification report.	1 No.	46200.00
2	Supply, delivery of 6 pole structure materials with suitable Size RSJ along with all structure material are as under.		
a	For 11 KV Sub station	1 No	259875.00
b	For 22 KV Sub station	1 No	288750.00
3	Construction of transformer plinth	1 No	12705.00
4	Chain link fencing with gate including the TNEB 2 poles Spreading of materials as per CEIG requirements	1 No	57172.00
5	Transformer yard earthing		
a	Upto 250 KVA Transformer sub station	1 No	46200.00
b	Above 250 KVA	1 No	69300.00
6	Transformer sub station erection charges	1 No	11550.00

Provision for Cement concrete flooring has to be made at the sub station yard.

17.1 17.2,17.2.1,17.2.2 M.V. PANEL BOARD - deleted

17.1 AIR CIRCUIT BREAKER

Sl.No.	Range in AMPS	Rate for 2011-12 in Rupees	
		3 POLE	4 POLE
1	800	195000	278250
2	1000	244500	292500
3	1250	270000	324750
4	1600	289500	346500
5	2000	349500	414750
6	2500	429000	533250
7	3200	486750	596250
8	4000	639000	810750

Note: The rate is inclusive of all taxes, duties, handling charges and F.O.R. destination

18.0 SAFETY APPLIANCES INCLUDING ALL TAXES, DUTIES AND HANDLING CHARGES.

Sl.No	Description	Unit	Rate for 2011-12 in Rupees
1	Electrical gloves tested to 11 KV /22 KV with wooden box dusted with french chalk powder	1 No	330.00
2	Electrical quality 6mm thick rubber mat	1 No	474.00
3	5 kg capacity ISI marked Dry chemical powder fire extinguisher	1 No	2251.00
4	Fire Bucket-3 Nos Hooked to MS stand	1 Set	1234.00
5	Laminated shock treatment chart	1 No	1020.00
6	Wooden First Aid Box	1 No	721.00
7	Rechargeable Emergency lamp (600mm Fluorescent lamp)	1 No	2940.00
	H.T. SUPPLY		
8	Wooden ladder –3M Ht.	1 No	2940.00
9	Earth Discharge Rod	1 No	2265.00

Note: The rate is inclusive of all taxes, duties, handling charges and F.O.R. destination.

19.0 TOOLS INCLUDING ALL TAXES, DUTIES AND HANDLING CHARGES

Sl.No.	Description	Unit	Rate for 2011-12 in Rupees
1	6" Chain wrench best India make	1 No	926.00
2	8"Chain Wrench Best India Make	1 No	1098.00
3	Connector Screw Driver 901 Taparia Make	1 No	31.00
4	200mm Screw Driver 825 Taparia Make	1 No	53.00
5	300mm Screw Driver 829 Taparia Make	1 No	104.00
6	400mm Screw Driver 930 Taparia Make	1 No	150.00
7	200mm Cutting Plier Taparia Make	1 No	193.00
8	800gm Ball Pane Hammer with Handle	1 No	240.00
9	Digital Tong Tester CE Make	1 No	2528.00
10	Digital Multi Meter CE Make	1 No	1909.00
11	15" Screw Spanner Taparia Make	1 No	471.00
12	12" Bearing Puller	1 No	450.00
13	Lever Type Grease Gun	1 No	369.00
14	12"Screw Spanner	1 No	320.00
15	Crow Bar 5"	1 No	325.00
16	1" Cold Chisel	1 No	109.00
17	Hacksaw Frame with Blade	1 No	69.00
18	Electrical Air Blower	1 No	3271.00
19	Digital Tachometer	1 No	4552.00
20	Hand Crimpling Tool 8"	1 No	282.00
21	DE Spanner set 6 to 32 Jhalani Make	1 No	581.00
22	Rings spanner set 6 to 32 Jhalani Make	1 No	1362.00
23	Pipe Wrench 24" Jhalani Make	1 No	839.00
24	Pipe Wrench 14" Jhalani Make	1 No	341.00
25	12" Flat rough File Scissors Make	1 No	184.00
26	12" Flat smooth File Scissors Make	1 No	282.00
27	12"Round File Rough Scissors	1 No	240.00
28	12" Round File Smooth Scissors Make	1 No	282.00
29	12"Half Round File Rough Scissors Make	1 No	408.00
30	12"Half Round File Smooth Scissors Make	1 No	461.00

Note:The rate is inclusive of all taxes, duties, handling charges and F.O.R. destination.

20.0 PUMPROOM WIRING AND OTHER ITEMS

Sl.No	Description	Unit	Rate for 2011-12 in Rupees
1	2	3	4
1	Providing lighting wiring using MS conduit pipes and specials with 2 runs 1.5 sq.mm PVC copper wire and 1 run 12 swg GI wire for earthing for light, fans and 5A plug points including switch box 5A switch sockets, ceiling rose and consumables.	Point	650.00
2	Supply of portable hand lamp with 100w bulb, lamp guard and wooden handle and 25M long flexible cable.	1 No.	1250.00
3	Supply of pedestal fan	1 No.	3100.00

Note: Add 35% for wiring on the total fittings cost.
The above rate is inclusive of all taxes, duties, handling charges and F.O.R.destination.
Excise duty at 10.3%, VAT at 5%

21.0 TWIN GI EARTHING

Sl.No	Description	Unit	Rate for 2011-12 In Rupees
1	Upto 25 HP installation	1No	5775.00
2	Above 25-60 HP	1No	9240.00
3	Above 60-150 HP	1No	13860.00
4	Above 150 HP	1No	23100.00

Note: In the case of collector well, the collector well distance from the bank of the river should be ascertained to find out the weight of the GI strip to be used only in the foot bridge and rate of Rs.47/- per kg should be adopted for estimation and this amount should be added with the above rates.

22.0 H.O.T. CRANE & ACCESSORIES

Sl.No	Description	Unit	Rate for 2011-12 in Rupees
1	2	3	4
1	2T capacity hand operated over head Travelling (HOT) crane suitable for a span upto 6 Mtrs, and travel length upto 10 Mtrs. with clear lift upto 6 Mtrs. including gear type chain pulley block and geared Travelling trolley complete with all accessories.	1 No	201709.00
2	2T HOT crane with above specifications upto 8 Mtrs. Span	1 No	208251.00
3	2T HOT crane with above specifications upto 10 Mtrs. Span	1 No	222425.00
4	3T capacity hand operated over head Travelling (HOT) crane suitable for a span upto 6 Mtrs, and travel length upto 10 Mtrs. with clear lift upto 6 Mtrs. including gear type chain pulley block and geared Travelling trolley complete with all accessories.	1 No	216974.00
5	3T HOT crane with above specifications upto 8 Mtrs. Span	1 No	223516.00
6	3T HOT crane with above specifications upto 10 Mtrs. Span	1 No	232238.00
7	5T capacity hand operated over head Travelling (HOT) crane suitable for a span upto 6 Mtrs, and travel length upto 10 Mtrs. with clear lift upto 6 Mtrs. including gear type chain pulley block and geared Travelling trolley complete with all accessories.	1 No	280212.00
8	5T HOT crane with above specifications upto 8 Mtrs. Span	1 No	299838.00
9	5T HOT crane with above specifications upto 1Mtrs Span	1 No	319464.00

Note: The rates are inclusive of all taxes duties and handling charges

23.0 CARRYING ENERGY EFFICIENCY IMPROVEMENT JOB BY APPLICATION OF GLASS FLAK COATING FOR HORIZONTAL SPLIT CASE PUMPS

Sl. No.	Capacity in LPM	Rate for the year 2011-12 in Rupees									
		HEAD IN METRES									
		25	30	35	40	45	50	55	60	70	80	90
1	1500	41432										
2	2500	46530			47520	48510						
3	3000	48510										
4	3500	48510				49500	54450					
5	4000	48510		52470		54450	54450					
6	5000	49500	54450				64350					
7	6000	54450	64350					69300				
8	7000	64350	69300	78210		82170						
9	8000	82170				89100						
10	9000	89100				97020						
11	10000	97020	105930									
12	15000	118800	124740									152460
13	20000	143550	152460									173250
14	25000	152460	173250		174240							183150
15	30000	173250		176220		183150						207900

Note: The rates for testing and repairs, if any required, for pump sets will be extra.

23.1 CARRYING OUT ENERGY EFFICIENCY IMPROVEMENT JOB BY APPLICATION OF GLASS FLAK COATING FOR MIXED FLOW PUMPS

Sl.No.	Capacity in Cum/Hr.	Rate for 201-12 in Rupees	
		Head in Metres	
		10	15
1	400	50000	
2	500	50000	
3	600	53000	
4	700	55000	
5	800	57000	
6	900	57000	
7	1000	67000	
8	1100	67000	
9	1200	87000	
10	1300	87000	
11	1400	113000	
12	1500	113000	

Note: The rates for testing and repairs, if any required, for pump sets will be extra.

23.2 CARRYING OUT ENERGY EFFICIENCY IMPROVEMENT JOB BY APPLICATION OF GLASS FLAK COATING FOR VERTICAL TURBINE PUMPS.

Sl. No.	Capacity in LPM	Rate for 2011-12in Rupees					
		HEAD IN METRES					
		15	20	25 30 35	40 45 50	55 60	70 80 90
1.	2	3	4	5	6	7	8
1	2500	70000	69300	94050	108900	123750	138600
2	3000	70000	69300	94050	123750	138600	193050
3	3500	70000	69300	94050	133650	148500	202950
4	4000	74000	73260	99000	141570	163350	212850
5	5000	74000	73260	99000	141570	163350	212850
6	6000	80000	79200	108900	148500	173250	222750
7	7000	89000	88110	118800	153450	183150	232650
8	8000	103000	101970	128700	163350	193050	242550
9	9000	103000	101970	128700	163350	193050	242550
10	10000	114000	112860	133650	173250	202950	252450
11	15000	124000	122760	148500	183150	212850	262350
12	20000	135000	133650	158400	193050	222750	272250
13	25000	145000	143550	173250	202950	232650	282150
14	30000	155000	153450	183150	212850	242550	292050

Note: The rates for testing and repairs, if any required, for pump sets will be extra.

RATES FOR BUILDING MATERIALS

BUILDING MATERIALS

1. Cement - Rs. 4900 – per metric tonne
(Rupees Four Thousand Nine hundred only)

The rate for cement is inclusive of all taxes, 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.

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

2. Steel Rods of all sizes - Rs.39, 600/- per metric tonne
(Rupees thirty nine thousand six hundred only)

The rate for steel is inclusive of all taxes, 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.

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

The above rates for cement and steel are with effect from **20.07.2011** for adoption in the estimate.

(The above rates is subjected to revision as and when revised by the PWD authorities)

BUILDING MATERIALS

Sl. No.	Description	Unit	Rates (in Rs.)
3.	**Bricks-II Class Table Moulded (Chamber burnt)**		
a.	9" x 4 ½" x 3"	1000 Nos.	4000.00
b.	9" x 4 3/8 " x 2 ¾"	1000 Nos.	3850.00
4.	**Bricks-II Class (Ground Moulded Chamber Burnt)**		
a.	9"x4 ½" x3"	1000 Nos.	3450.00
b.	9"x4 3/8" x 2 ¾"	1000 Nos.	3350.00
5.	**Bricks-III Class (country bricks, Kiln burnt)**		
a	22 x 11 x 5 cm (8 ¾" x 4 ¼" x 2")	1000 Nos.	2190.00
b.	22 x 11 x 5.7 cm (8 ¾" x 4 ¼" x 2 ¼")	1000 Nos.	2285.00
c.	22 x 11 x 7cm (8 ¾ " x 4 ¼ " x 2 ¾")	1000 Nos.	2900.00
6.	**Fly Ash bricks**		
a.	230 x 110 x 70mm	1000 Nos.	3100.00
7.	**Bricks country (specially moulded for well steining**		
a.	8 ¾ "x 4 ¼ " x 2"	1000 Nos.	1290.00
b.	Perforated Bricks 19 x 9 x 9cm	1000 Nos.	1965.00
c.	Terrace Bricks 15 x 7.5 x 2.5cm	1000 Nos.	505.00
8.	**Flat Tiles**		
a.	15cm x 15cm x 12mm	1000 Nos.	565.00
b.	15cm x 15cm x 20mm	1000 Nos.	670.00
9.	**Brick Jelly**		
a.	40mm Size	cu.m.	365.00
b.	20mm size	cu.m.	400.00
10.	**Pressed Tiles**		
a.	20cm x 20cm x 2cm	1000 Nos.	7200.00
b.	23cm x 23cm x 2cm	1000 Nos.	10200.00
11.	**Pan Tiles**		
a.	23cm x 8cm x 1.7cm	1000 Nos.	295.00
b.	16.5cm x 8cm x 1.7cm	1000 Nos.	245.00
12.	**Best Mangalore Tiles**		
a.	1st Class 'A'	1000 Nos.	7055.00
b.	Class 'AA'	1000 Nos.	7190.00

Sl. No.	Description	Unit	Rates (in Rs.)
c.	Best Mangalore Ridge Tiles	1000 Nos.	20600.00
d.	Best Mangalore Ceiling Tiles	1000 Nos.	4330.00
e.	Best Mangalore Glass roofing tiles	Each	205.00
f.	Best Mangalore Ventilating tiles (single)	Each	31.00
g.	Best Mangalore Ventilating tiles (double)	Each	39.00
13.	**Mosaic Flooring tiles GREY**		
a.	25cm x 25cm x 2cm	1000 Nos.	9515.00
b.	20cm x 20cm x 2cm	1000 Nos.	6060.00
14.	**Mosaic (other colour)**		
a.	25cm x 25cm x 2cm	1000 Nos.	13080.00
b.	20cm x 20cm x 2cm	1000 Nos.	7730.00
c.	Mosaic (Green) 20cm x 20cm x 2cm	1000 Nos.	9515.00
d.	Mosaic (Green) 25cm x 25cm x 2cm	1000 Nos.	14875.00
e.	Mosaic Chequered Tiles of Grey colour size 25cm x 25cmx2cm	1000 Nos.	11895.00
15.	**Stone and Road materials**		
16.	Rough stone for Masonry works (Hard Granite)	cu.m.	288.00
17.	Rough stone for revetment works	cu.m.	250.00
18.	Jeddy size for revetment (Hard granite)	cu.m.	276.00
19.	Cut stone pillar of size 0.15 x 0.15 x 2.1M	Each	108.00
20.	From boulders without blasting for revetment	cu.m.	74.00
21.	From boulders without blasting for masonry	cu.m.	97.00
22.	Course rubble stone for masonry works	cu.m.	231.00
23.	Course rubble stone for Arch works	cu.m.	250.00
24(A)	**Chisel dressed stone**		
a.	70cm x 30cm x 29cm	Each	115.00
b.	37cm x 30cm x 29cm	Each	104.00
24(B)	**Hammer dressed stone,**		
	37cm x 30cm x 29cm	Each	80.00
25.	Cut stone fully dressed to size on all faces	cu.m.	4100.00
26.	Cut stone roughly dressed	cu.m.	2830.00
27.	Ashlar arch stone fully dressed to size all faces	cu.m.	3120.00
28.	Flooring stone SS size (not less than 10cm thick)	cu.m.	230.00

Sl. No.	Description	Unit	Rates (in Rs.)
29.	Stone slab for culvert (3 faces, one line dressed)		
a.	Above 1.2m	cu.m.	2980.00
b.	Up to 1.2m	cu.m.	2700.00
30.	Stone slab for culvert (3 faces, Two line dressed)	cu.m.	3320.00
31.	For lintel coping (3 faces, Two line dressed)	cu.m.	3320.00
32.	Bond stones	cu.m.	395.00
33.	Kilometre stone 1.65 x 0.45 x 0.15m	Each	285.00
34.	Hecta metre stone		
a.	0.90 x 0.10 x 0.10m	Each	80.00
b.	0.75 x 0.23 x 0.10m	Each	148.00
c.	0.90 x 0.15 x0.15m	Each	143.00
35.	**Demarcation stone (Two line dressed for top 30cm)**		
a.	0.75 x 0.15 x 0.15m	Each	60.00
b.	0.90 x 0.23 x 0.23m	Each	77.00
c.	0.75 x 0.23 x 0.23m	Each	71.00
d.	0.90 x 0.15 x 0.15m	Each	66.00
e.	Demarcation Stone with letters cut 0.75 x 0.15 x 0.15m	Each	80.00
f.	Edge stone 0.45 x 0.15 x 0.15m	Each	37.00
g.	T.R.S. Bench Mark Stone neatly dressed the exposed surface to a height of 15cm including cutting letters		
i)	0.15 x 0.15 x 0.60m	Each	92.00
ii)	0.10 x 0.10 x 0.25m	Each	67.00
36. a.	Guard Stone (Two line dressed for top 45cm) 23cm dia 1.0m long	Each	106.00
b.	Guard stone (Top 0.70m chisel dressed and 0.50m bottom roughly dressed) 0.23m x 0.23m x 1.20m long (Two line dressed top 45cm) 23cm dia 1.0m long	Each	113.00
c.	Guard stone (Top 0.70m chisel dressed and 0.50m bottom roughly dressed) 0.23m x 0.23m x 0.9m long (Two line dressed top 45cm) 23cm dia 0.90m long	Each	106.00
d.	Guard stone (Top 0.70m chisel dressed and 0.50m bottom roughly dressed) 0.15m x 0.15m x 0.90m long (Two line dressed top 45cm) 23cm dia 0.90m long	Each	74.00

Sl. No.	Description	Unit	Rates (in Rs.)
e.	Guard stone 90cm long 23cm dia	Each	55.00
37	**Hard broken Granite stone jelly (I.S.S. standard) machine crushed / Hand broken.**		
i.	90mm size	cu.m.	264.00
ii.	80mm size	cu.m.	297.00
iii.	63mm size	cu.m.	341.00
iv.	50mm size	cu.m.	396.00
v.	40mm size	cu.m.	616.00
vi.	25mm size	cu.m.	528.00
vii.	20mm size	cu.m.	858.00
viii.	12mm size	cu.m.	792.00
ix.	10mm size	cu.m.	583.00
x.	6mm size	cu.m.	396.00
xi.	3mm size	cu.m.	357.00
38.	**Quartz metal**		
i.	50mm	cu.m.	63.00
ii.	40mm	cu.m.	64.00
39	**Soft broken stone**		
i.	63mm	cu.m.	49.00
ii.	40mm	cu.m.	55.00
40.	Laterite 40mm to 75mm size	cu.m.	63.00
41.	Kankar 40mm to 75mm size	cu.m.	63.00
42.a	Soling stones 15cm cube (un blasted)	cu.m.	74.00
b.	Soling stones 15cm cube (blasted)	cu.m.	120.00
43.a	**Gravel**	cu.m.	106.00
b.	Well Gravel	cu.m.	94.00
c.	Screened Kankar Gravel	cu.m.	69.00
44.a	Quarry rubbish	cu.m.	63.00
b.	Stone dust	cu.m.	80.00
c.	Pond Ash (wet and dry)	cu.m.	62.00
d	Crushed Stone Sand	cu.m.	319.00
45	**Sand for mortar**	cu.m.	110.00
46.	**Sand for filling**	cu.m.	110.00

Sl. No.	Description	Unit	Rates (in Rs.)
47.	Clay for puddle and masonry	cu.m.	25.00
48. i)	Cuddapah slab 50mm thick	sq.m	297.00
ii)	Cuddapah slab 38mm/40mm thick	sq.m	286.00
iii)	Cuddapah slab 20mm/30mm thick	sq.m	264.00
	LIME		
49.	Shell Lime (Slacked and screened)	cu.m.	979.00
50.	Freshly slacked and screened burnt lime stone	cu.m.	720.00
51.	Stone Lime or lime metal	cu.m.	64.00
	TIMBER AND ROOFING MATERIALS		
52.	Teakwood scantlings (over 3m for joists and rafters) Malabar	cu.m.	80500.00
53.	Teakwood scantlings for tie beams and principal rafters) - Malabar	cu.m.	79200.00
54.	Teakwood scantlings (over 2m and below 3m in length) - Malabar	cu.m.	77100.00
55.	Teakwood scantlings (below 2m in length) – Malabar	cu.m.	68600.00
56.	**Teakwood planks**		
i)	Over 45cm wide and 12mm thick.	cu.m.	85000.00
ii)	Over 30cm and up to 45cm wide and 12mm thick	cu.m.	78900.00
iii)	Over 30cm and up to 45cm wide and 12mm to 25mm thick	cu.m.	73900.00
iv)	Over 30cm and up to 45cm wide and 25mm to 40mm thick	cu.m.	70900.00
v)	Over 15cm and up to 30cm wide and 12mm thick	cu.m.	69000.00
vi)	Over 15cm and up to 30cm wide and 12mm to 25mm thick	cu.m.	65600.00
vii)	Over 15cm and upto 30cm wide and 25mm to 40mm thick	cu.m.	64300.00
viii)	Up to 15cm wide and 12mm thick	cu.m.	63100.00
ix)	Up to 15cm wide and 12mm to 25mm thick	cu.m.	63100.00
x)	Up to 15cm wide and 25mm to 40mm thick	cu.m.	59600.00
57.	**Teak wood reepers**		
i)	50mm x 25mm	RM	53.00
ii)	50mm x 12mm	RM	43.00

Sl. No.	Description	Unit	Rates (in Rs.)
58.	**Country wood Scantlings**		
i)	Up to 4m in length	cu.m.	23800.00
ii)	Over 4m in length	cu.m.	25000.00
59.	Country wood scantlings for tie beam and principal rafter for trusses	cu.m.	25000.00
60.	Jack wood scantlings up to 4m	cu.m.	26200.00
61.	Silver Oak scantling	cu.m.	10800.00
62.	**Country wood planks**		
i)	40mm thick- upto 30cm wide	cu.m.	27300.00
ii)	25mm thick - up to 30cm wide	cu.m.	27300.00
iii)	40mm thick - over 30cm wide	cu.m.	27300.00
iv)	25mm thick - over 30cm wide	cu.m.	27300.00
63.a.	Jack wood planks 25 to 40mm thick	cu.m.	28600.00
b.	Silver Oak plank 40mm thick	cu.m.	12300.00
c.	Blue gum plank	cu.m.	12600.00
64.	**Country wood reepers**		
a.	50mm x 25mm	RM	24.00
b.	50mm x 12mm	RM	17.50
65.	Mango Plank	cu.m.	11700.00
66.a.	Palmyrah rafter (50mm to 60mm wide and 125mm depth)	RM	34.50
b.	Palmyrah leaves	100 Nos.	178.00
c.	Palmyrah leaves (Labour for cutting)	100 Nos.	28.00
67.	**Casurina Poles**		
a.	13cm to 15cm diameter	RM	23.00
b.	10cm to 13cm diameter	RM	17.50
c.	8cm to 10cm diameter	RM	13.50
d.	5cm to 8cm diameter	RM	11.50
68.	Eucalyptus Poles		
A	13cm to 15cm dia	RM	23.00
B	10cm to 13 cm dia	RM	16.50
C	8 cm to 10 cm dia	RM	13.50

Sl. No.	Description	Unit	Rates (in Rs.)
D	5 cm to 8 cm dia	RM	11.50
E	Below 5 cm	RM	10.50
69.	Eucalyptus Bullies 4cm to 5 cm dia & cross ties	RM	8.50
70.	Casurina bullies 4cm to 5cm dia & cross ties	RM	9.50
71.	**Bamboo large**		
i)	10cm diameter and above	RM	8.50
ii)	7.5cm to 10cm diameter	RM	7.50
	METAL AND IRON ITEMS		
72.	Mild steel plates or sheets BG 10	Kg.	40.00
73.	Mild Steel Angles 25mm x 25mm x 3mm	Kg.	40.00
74.a)	Binding wire (Black 18G)	Kg.	42.00
b)	Binding wire (Galvanised – 18G)	Kg.	42.00
75.	G.I. sheets 30cm wide and 1.6mm thick	sq.m.	290.00
76.	**Weld mesh**		
i)	7.5 x 2.5cm, 10 gauge	sq.m.	283.00
ii)	7.5cm x 5cm, 10 gauge	sq.m.	254.00
iii)	10cm x 10cm, 10 gauge	sq.m.	138.00
77.	Chicken Mesh	sq.m.	30.50
78.	Fly Proof Mesh	sq.m.	88.00
79	Supplying mild steel grills for windows, ventilators, etc., including priming coat	Kg.	54.00

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. Hence no separate incidental charges, loading and unloading charges shall be allowed for the above materials.

3. For stone jelly IRC standards, rates furnished in Highways Schedule of Rates may be taken.

RATES FOR
OTHER CONSTRUCTION MATERIALS

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	Rate in Rupees
1	Water proofing compound	Kg	36.75
2	Mild Steel Flats of all sizes	Kg	40.00
3	Mild Steel Square Rods of all sizes	Kg	40.00
4	First Quality Design Ceramic tiles of All colours		
i	305 mm x 305 mm x 6 mm	Each	44.00
ii	200 mm x 200 mm x 6 mm	Each	19.40
iii	200 mm x 100 mm x 6 mm	Each	10.50
5	First Quality Plain ceramic tiles of all colours		
i	305 mm x 305 mm x 6 mm	Each	31.50
ii	200 mm x 200 mm x 6 mm	Each	14.10
iii	200 mm x 100 mm x 6 mm	Each	7.35
6	First quality White glazed tiles		
i	150 mm x 150 mm x 6 mm	Each	7.35
ii	100 mm x 200 mm x 6 mm	Each	6.30
7	First quality colour glazed tiles		
i	150 mm x 150 mm x 6 mm	Each	8.40
ii	100 mm x 200 mm x 6 mm	Each	7.35
8	First quality colour glazed tiles with printed design		
i	150 mm x 150 mm x 6 mm	Each	9.90
ii	100 mm x 200 mm x 6 mm	Each	8.90
9	White Cement	Kg	19.95
10	Colour Cement (White cement mixed with colouring pigments)	Kg	23.10
11	Multi-colour marble chips of all Grades / Sizes	Bag	84.00
12	White Marble slab (Adanga) 18 mm to 20 mm thick		
i	4'0" x 2'0" and above	sq.m.	810.00
ii	2'0" x 2'0" or 2'0" x 1'0" or 1'0" x1'0"	sq.m.	445.00

Sl. No.	Name of Material	Unit	Rate in Rupees
13	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	sq.m.	785.00
b	Ruby Red, Raw Silk	sq.m.	680.00
c	Sinthetic Grey, Paradise and Similar varieties.	sq.m.	630.00
14	Granite slabs (Super fine polished with machine cut edges) of sizes 4'x2' and above 18mm to 20mm thick.		
a	Jet Black	sq.m.	1575.00
b	Ruby Red, Raw Silk	sq.m.	1470.00
c	Sinthetic Grey, Paradise and Similar varieties.	sq.m.	1155.00
15	Polished shahabad stone slabs of 20 mm thick with machine cut edges of size 2' 0" x 2'0" and above.	sq.m.	315.00
16	Polished shahabad stone slabs 20 mm thick with machine cut edges of size below 2' 0" x 2'0".	sq.m.	262.00
17	Polished Rajasthan Kota stone slabs of 20 mm thick with machine cut edges of size 2' 0" x 2'0" and above.	sq.m.	462.00
18	Polished Rajasthan Kota stone slabs of 20 mm thick with machine cut edges of size below 2' 0" x 2'0".	sq.m.	405.00
19	Dolphur stone slabs - semi polished with machine cut edges of all sizes		
a	40 mm thick	sq.m.	345.00
b	20 mm thick	sq.m.	315.00
20	Aluminium strips of size 40 mm wide x 1.5 mm thick	RM	26.00
21	Brass strips of size 40 mm wide x 1.5 mm thick	RM	52.00
22	Glass strips of size 40 mm wide and 4 mm thick	RM	13.00
23	Marblex Tiles 3 mm thick	sq.m.	525.00
24	Red Oxide - Superior quality for floor finish	Kg	110.00
25	Decorative pressed tiles of 12 mm thick of all sizes and shapes	sq.m.	890.00
26	Exterior Emulsion Paint - Water based primer (Liquid)	Litre	126.00
27	Alkali Resistant Distemper Primer	Litre	125.00
28	Sandtex matt	Litre	147.00
29	Vinaratex or equivalent Textured coat	sq.m.	190.00
30	Best Lac Polish / French Polish	Litre	245.00

Sl. No.	Name of Material	Unit	Rate in Rupees
31	Varnish	Litre	252.00
32	Cotton Waste	Kg	8.00
33	Cement based Hydraulically pressed Anti skid tiles (pattern design) - 20 mm thick	sq.m.	420.00
34	Marble Powder	Kg	4.20
35	Polishing Stone		
i	Rough	Each	52.50
ii	Medium	Each	73.50
iii	Fine / Nice	Each	84.00
36	Oxalic Acid	Kg	34.50
37	Turpentine	Litre	23.10
38	Mansion polish	400 gram	138.50
39	Poly Sulphide	Kg	157.50
40	Primer for expansion joints	Kg	141.50
41	Filler material	sq.m.	115.50
42	Bond Breaker	RM	3.15
43	PVC Water Bar 150mm wide with singel bulb	RM	236.00
44	Plain G.I. sheet 0.8mm thick (22 Gauge)	sq.m.	288.00
45	Phil Plug	Each	4.20
46	G.I. Screws		
i	30mm x 6mm	Each	1.05
ii	19mm x 6mm	Each	0.65
47	G.I. Limpet / Cup Washers	Each	1.55
48	Bitumen washers 15mm dia	Each	1.05
49	Asbestos Cement pipe - 100mm dia	3 RM	115.50
50	A.C. shoe - 100mm dia	Each	36.75
51	A.C. Bend - 100mm dia	Each	42.00
52	A.C. Cylindrical Cowl - 100mm dia	Each	63.00
53	C.I. Brackets for A.C. pipe 100mm dia	Each	17.30
54	C.I. Grating - 100mm dia	Each	25.40
55	Asbestos cement fully corrugated sheet - 6mm thick	sq.m.	152.00

Sl. No.	Name of Material	Unit	Rate in Rupees
56	Asbestos cement plain sheet		
i	6mm thick	sq.m.	136.50
ii	4mm thick	sq.m.	94.50
57	Asbestos cement adjustable ridges	Pair	157.50
58	G.I. "J" or "L" Bolts with nuts 6mm Dia	Each	3.15
59	Steel - special extruded sections for steel windows and ventilators conforming to I.S.S. 7452 / 1990 including Fabrication charges	Kg	57.50
60	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	388.50
b	With powder coated primer	RM	414.00
61	Aluminium extruded sections (for Doors, windows, ventilartors, partitions, false ceiling etc.) including charges for Anodising for 15 micron thickness -		
a	Natural colour matt finish.	Kg	254.00
b	With powder coating of any colours.	Kg	271.00
62	Alumninum Extruded Box Section for Staircase Hand Rails including charges for Adnodising for 15 micron thickness - Natural colour matt finish	Kg	259.00
63	Rubber beading for aluminium glazed doors	RM	31.50
64	Rubber beading for aluminium glazed windows.	RM	24.15
65	PVC / Woollen felt for aluminium doors 6mm thick	RM	7.35
66	Pivot for Aluminium Door	Set	126.00
67	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	787.00
68	Hydraulic Floor springs of various sizes double acton hydraulic floor sping of approved quality, brand, manufacture asper BIS standards for doors including cost of cutting floors as required, embedding in to floors and Stainles Steel Cover plates with Aluminium Pivet and single piece M.S. sheet outer box with side plate etc., capaple of taking upto 130 Kg. weight from door shutter, like HARDWYN make (U-32) or its euivalent with ISI monogram.	Each	1890.00
69	Lock for Aluminium doors	Each	207.50
70	Lock for Aluminium sliding windows	Each	51.50

Sl. No.	Name of Material	Unit	Rate in Rupees
71	Aluminium Grill of standard pattern (diamond shape) - 10mm thick including 'F' (or) 'H' Section.	sq.m.	1627.50
72	Aluminium Grill of standard pattern (diamond shape) - 6mm thick including 'F' (or) 'H' Section.	sq.m.	1312.50
73	Bolts and Nuts 10mm dia for false ceiling	Each	4.60
74	Rawl Plugs for false ceiling	Each	7.35
75	PVC Roller for sliding windows	Each	11.55
76	Synthetic Resin - Fevicol or equivalent (Phenol Formal Dehide based Resin)	Kg	157.50
77	Butt Hinges with nylon washers of various sizes. Length and width (with required screws).		
a	125mm x 30mm	Each	60.50
b	100mm x 30mm	Each	49.00
c	75mm x 30mm	Each	33.50
d	50mm x 30mm	Each	27.00
78	Tower Bolts of various lengths and diameter (with required screws)		
a	400mm long and 12mm dia	Each	115.00
b	300mm long and 12mm dia	Each	88.00
c	250mm long and 12mm dia	Each	66.00
d	200mm long and 12mm dia	Each	55.50
e	150mm long and 12mm dia	Each	44.00
f	100mm long and 10mm dia	Each	38.50
g	75mm long and 10mm dia	Each	27.00
79	Aldrops of following lengths and diameter with required screws, bolts and nuts.		
a	300mm long and 16mm dia	Each	159.50
b	*250mm long and 16mm dia*	*Each*	*137.50*
c	200mm long and 16mm dia	Each	93.00
d	*200mm long and 12mm dia*	Each	77.50
80	Handles "D" type of various sizes with required screws		
a	200mm long	Each	49.00
b	150mm long	Each	44.00
c	100mm long	Each	27.00

Sl. No.	Name of Material	Unit	Rate in Rupees
81	Ornamental handles of various sizes with required screws		
a	200mm long	Each	132.00
b	150mm long	Each	88.00
c	100mm long	Each	49.00
82	Aluminium door stopper with rubber bush with required screws	Each	38.50
83	Rubber bush - 40 mm dia and 60 mm long with required screws	Each	21.00
84	Mortice Lock-(Godrej or equivalent) with required screws with 3 Keys		
a	With night latch	Each	441.00
b	Without night latch	Each	330.00
c	Wire nails	Kg	52.50
85	Teakwood beading		
a	15mm x 12mm	RM	12.50
b	35mm x 12mm	RM	31.50
86	Teakwood Beading (ordinary)		
a	30mm x 12mm	RM	26.00
b	25mm x 12mm	RM	21.00
87	Teakwood beading - Ornamental / design		
a	40mm x 12mm	RM	73.50
b	40mm x 15mm	RM	84.00
c	25mm x 12mm	RM	57.50
d	15mm x 12mm	RM	39.50
88	Medium Density Fibre (MDF) Board - Exterior Grade, Both sides pre-laminated including external lipping with kiln dried soft wood 35mm thick	sq.m.	1680.00
89	Medium Density Fibre (MDF) Board - exterior Grade - Both sides pre-laminated, 12mm thick	sq.m.	813.00
90	MDF Board exterior Grade - Plain including external lipping with kiln dried soft wood		
i	35mm thick	sq.m.	1365.00
ii	30mm thick	sq.m.	1260.00

Sl. No.	Name of Material	Unit	Rate in Rupees
91	Medium density fibre (MDF) Board 12 mm thick Exterior grade with melamine finish.		
a	One side melamine finish	sq.m.	866.00
b	Both sides melamine finish	sq.m.	971.00
92	Medium density fibre (MDF) board - Exterior grade - Plain - With teak wood external lipping alround		
a	35mm thick	sq.m.	1470.00
b	30mm thick	sq.m.	1310.00
93	Solid core Flush shutters with Teak ply on both side with teak wook lipping alround 35 mm thick	sq.m.	1730.00
94	Solid core Flush shutters with Teak ply on one side and commercial ply on other side with teak wood lipping alround 35 mm thick	sq.m.	1520.00
95	Solid core Flush shutters with commercial ply on both side with teak wood lipping alround 35 mm thick	sq.m.	1310.00
96	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	sq.m.	2490.00
b	Solid panel PVC door without frame	sq.m.	2100.00
97a	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 3mm wall thickness for styles and rails etc., of sizes specified by Engineers.	sq.m.	3255.00
b	Excluding door frames	sq.m.	2700.00
98a	PVC panelled door shutters hollow type - 200 mm x 20 mm panels with 1 mm wall thickness for panels and styles and rails of suitable size with 2 mm wall thickness suitably reinforced using MS Angle / Flat including cost of necessary Aluminium hinges and other furniture fittings.	sq.m.	1785.00
b	Excluding door frames	sq.m.	1575.00

Sl. No.	Name of Material	Unit	Rate in Rupees
99	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 10 mm and below graded stone jelly and using steel reinforcement as per C.E. (B) circular instructions.	RM	252.00
100	Stainless Steel (Salem Stainless Steel) Door Frame (Box Section using Stainless Steel Plate of 1 mm thick) of size 100 mm x 60 mm with a rebate of 30 / 35 mm x 15 mm on one side of the frame including supplying and fixing dovetail splayed end stainless steel Hold fast etc.,	RM	787.00
101	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	1100.00
102	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 m^2 area)	sq.m.	2205.00
b	Gear operated type (from 8 m^2 to 12 m^2 area)	sq.m.	2465.00
c	Electrically operated type (exceeding 12m^2 area)	sq.m.	2675.00
B	ROLLING GRILLS (WITH ISI MONOGRAM)		
a	Manually operated (up to 8 m^2 area)	sq.m.	2255.00
b	Gear operated (from 8 m^2 to 12 m^2 area)	sq.m.	2520.00
c	Electrically operated (exceeding 12 m2 area)	sq.m.	2805.00
103	Barbed Wire - 10 Gauge - Two ply and four pronged (Galvanised)	1 Kg or 6 RM	63.00
104	Chain link - 2" x 2" using 10 Gauge Galvanised Iron Wire (of all sizes)	sq.m.	162.50
105	Pin Headed / Fluted / Figured Glass 3mm thick	sq.m.	210.00
106	Plain Glass - 4mm thick	sq.m.	283.50
107	Plain Sheet Glass - 5.5mm thick	sq.m.	336.00

Sl. No.	Name of Material	Unit	Rate in Rupees
108	Metal screws (for Aluminium Doors, windows etc.)		
i	75mm x 8mm	Each	2.10
ii	38mm x 6mm	Each	1.55
iii	19mm x 8mm	Each	1.05
iv	19mm x 6mm	Each	0.75
109	Cement paint (First quality)	Kg	46.00
110	Oil Bound Distemper	Kg	68.00
111	Acrylic Distermper	Kg	78.50
112	Primer for Plastic Emulsion paint	Litre	136.00
113	Plastic Emulsion paint (First quality)	Litre	273.00
114	Wood Primer	Litre	136.00
115	Synthetic Enamel paint for Wood work	Litre	220.00
116	Red Oxide primer for Iron work	Litre	126.00
117	Synthetic Enamel paint for Iron work	Litre	210.00
118	Brass chromium plated screw down Tap 15 / 12mm Dia (Heavy Type)	Each	183.50
119	Chromium plated stop cock 15mm Dia	Each	147.00
120	Brass chromium plated pillar Tap (Heavy type)-15/12mm Dia	Each	262.50
121	Brass chromium plated shower Rose - 100mm Dia	Each	189.00
122	Wooden plug, clamp and screws	Set	10.50
123	Shellac	100 gram	15.75
124	Thread Ball	Each	3.15
125	Oriya Type Indian Water closet 580mm x 440mm with "P" or "S" Trap		
i	White	Set	945.00
ii	Colour	Set	1205.00
126	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	2415.00

Sl. No.	Name of Material	Unit	Rate in Rupees
ii	Colour	Set	2730.00
127	European water closet with "P" or "S" Trap with Double falpped seat and seat cover with Brass Hinges and 12.5 litre capacity Porcelin low level flusing tank with all internal fittings		
i	White	Set	3400.00
ii	Colour	Set	4095.00
128	Wash Hand Basin of size 550mm x 400mm with all accessories such as cast iron brackets, 32mm dia C.P. waste coupling, rubber plug and chain, 32mm dia 'B' Class G.I. waste pipe, 15mm dia G.M. wheel valve, 15mm dia nylon connection, 15mm dia brass nipples, 15mm C.P. pillar tap etc.		
i	White without pedastal	Set	1310.00
ii	White with pedastal	Set	1575.00
iii	Colour without pedastal	Set	1755.00
iv	Colour with pedastal	Set	1940.00
129	White Porcelin Sink of size 600mm x 450mm x 200mm with 32mm dia 'B' Class G.I. waste water pipe and 32mm dia C.P. waste coupling.	Set	1680.00
130	Cuddapah Slab Sink of size 600mm x 450mm x 200mm with 32mm dia 'B' Class G.I. waste water pipe & 32mm dia C.P. waste coupling.	Set	575.00
131	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	760.00
132	Lipped Mouth Porcelin Flat Back Urinal with all accessories such as 32mm dia Bell mouth PVC connection, 15mm dia G.M. wheel value, 15mm dia 'B' Class G.I. waste water pipe, 15mm dia nylon connection, 15 mm dia brass nipple etc.,		
i	White	Set	735.00
ii	Colour	Set	840.00
133	Porcelin soap dish of size 150mm x 150mm x 50mm		
i	White	Each	155.00
ii	Colour	Each	210.00
134	Brass chromium plated soap tray of size 150mm x 100mm	Each	130.00
135	Brass chromium plated towel rail 60cm long and 20mm dia with brackets	Set	210.00
136	Anodised Aluminium Towel Rail 60cm long and 20mm dia with Brackets.	Set	105.00
137	PVC / Fibre Glass framed 5.5mm thick mirror, shelf type with Hard Board Backing		
i	600mm x 450mm	Each	390.00

Sl. No.	Name of Material	Unit	Rate in Rupees
ii	500mm x 400mm	Each	315.00
138	Stone ware gully trap of size 150mm x 100m with cast Iron Double Gratings	Each	147.00
139	**Cast Iron Nahini / Floor Trap** with stainless Steel Grating		
i	100mm x 75mm	Each	240.00
ii	75mm x 50mm	Each	189.00
140	**PVC Nahini / Floor Trap** with PVC Grating		
i	100mm x 75mm	Each	131.00
ii	75mm x 50mm	Each	115.00
141	Spun Yarn	Kg	10.50
142	Hemp Yarn	Kg	9.45
143	Gunny Tape / Kithan	sq.m.	9.45
144	Tar	Kg	33.60
145	Bitumen Felt 15 mm thick pad	sq.m.	210.00
146	Supplying, fabricating, erecting and fixing gyp board false ceiling upto a ceiling height of 4.5m from floor level.		
a	Using plain sheets (10mm thick)	sq.m.	630.00
b	Using perforated sheets (10mm thick)	sq.m.	819.00
147	Supplying and laying Glass wool for insulation including necessary packing materials.		
a	Using 50mm thick Glass wool	sq.m.	323.00
b	Using 25mm thick Glass wool	sq.m.	173.00

Sl. No.	Description of Materials	Unit	Rate in Rupees Working Pressure 10 kg. per cm^2
	WATER SUPPLY AND SANITARY ARRANGEMENTS		
148	PVC ITEMS FINOLEX (OR) EQUIVALANT (WITH ISI MONOGRAM)		
1	PVC Pipes		
a	15 mm Dia	RM	12.50
b	20 mm Dia	RM	18.50
c	25 mm Dia	RM	31.50
d	32 mm Dia	RM	47.00
e	40 mm Dia	RM	73.50
149	PVC Specials for water supply arrangements		
A	Coupler		
a	15 mm Dia	Each	3.15
b	20 mm Dia	Each	3.65
c	25 mm Dia	Each	4.20
d	32 mm Dia	Each	5.25
e	40 mm Dia	Each	7.85
f	50 mm Dia	Each	10.50
B	Elbow		
a	15 mm Dia	Each	4.70
b	20 mm Dia	Each	5.25
c	25 mm Dia	Each	7.35
d	32 mm Dia	Each	10.50
e	40 mm Dia	Each	14.70
f	50 mm Dia	Each	21.00
C	BEND		
a	15 mm Dia	Each	5.25
b	20 mm Dia	Each	6.30
c	25 mm Dia	Each	8.40
d	32 mm Dia	Each	12.50
e	40 mm Dia	Each	16.80
f	50 mm Dia	Each	26.25
D	Tee		
a	15 mm Dia	Each	6.30
b	20 mm Dia	Each	7.35

Sl. No.	Description of Materials	Unit	Rate in Rupees Working Pressure 10 kg. per cm^2
c	25 mm Dia	Each	10.50
d	32 mm Dia	Each	12.60
e	40 mm Dia	Each	21.00
f	50 mm Dia	Each	31.50
E	End Cap		
a	15 mm Dia	Each	3.15
b	20 mm Dia	Each	4.20
c	25 mm Dia	Each	5.25
d	32 mm Dia	Each	6.30
e	40 mm Dia	Each	9.95
f	50 mm Dia	Each	13.65
F	Reducer		
a	20 mm x 15 mm	Each	4.20
b	25 mm x 20 mm	Each	4.70
c	32 mm x 25 mm	Each	7.35
d	40 mm x 32 mm	Each	9.95
e	50 mm x 40 mm	Each	16.80
G	Reducer Tee		
a	20 mm x 15 mm	Each	6.30
b	25 mm x 20 mm	Each	7.35
c	32 mm x 25 mm	Each	10.50
d	40 mm x 32 mm	Each	12.60
e	50 mm x 40 mm	Each	21.00
H	Reducer Elbow		
a	20 mm x 15 mm	Each	5.25
b	25 mm x 20 mm	Each	6.30
c	32 mm x 25 mm	Each	8.40
d	40 mm x 32 mm	Each	10.50
e	50 mm x 40 mm	Each	15.75
I	Jet Nipple		
a	25 mm Dia	Each	13.65
b	32 mm Dia	Each	17.85

Sl. No.	Description of Materials	Unit	Rate in Rupees	
			"O" Ring Jointing	By pasting
150	**PVC SPECIALS FOR SANITARY ARRANGEMENTS FINOLEX (OR) EQUIVALENT (WITH ISI MONOGRAM)**			
A	**Elbow**			
a	75 mm	Each	57.50	47.00
b	90 mm	Each	73.50	57.50
c	110 mm	Each	89.00	73.50
d	160 mm	Each	99.50	84.00
B	**Door Elbow**			
a	75 mm	Each	73.50	52.50
b	90 mm	Each	94.50	63.00
c	110 mm	Each	115.50	99.50
d	160 mm	Each	136.50	115.50
C	**Tee**			
a	75 mm	Each	78.50	73.50
b	90 mm	Each	99.50	89.00
c	110 mm	Each	131.00	120.50
d	160 mm	Each	147.00	131.00
D	**Tee with Door (Single)**			
a	75 mm	Each	99.50	94.50
b	90 mm	Each	120.50	105.00
c	110 mm	Each	152.00	141.50
d	160 mm	Each	183.50	168.00
E	**Tee with Door (Double)**			
a	75 mm	Each	126.00	120.50
b	90 mm	Each	173.00	157.50
c	110 mm	Each	210.00	199.50
d	160 mm	Each	241.50	215.00
F	**Bend**			
a	75 mm	Each	63.00	52.50
b	90 mm	Each	78.50	63.00
c	110 mm	Each	94.50	78.50

Sl. No.	Description of Materials	Unit	Rate in Rupees	
			"O" Ring Jointing	By pasting
d	160 mm	Each	105.00	89.00
G	**"Y"**			
a	75 mm	Each	84.00	78.50
b	90 mm	Each	105.00	94.50
c	110 mm	Each	136.50	126.00
d	160 mm	Each	152.00	136.50
H	**"Y" with Door (single)**			
a	75 mm	Each	99.50	94.50
b	90 mm	Each	126.00	110.00
c	110 mm	Each	168.00	147.00
d	160 mm	Each	194.00	173.00
I	**"Y" with Door (Double)**			
a	75 mm	Each	136.50	131.00
b	90 mm	Each	183.50	168.00
c	110 mm	Each	220.50	210.00
d	160 mm	Each	267.50	241.50
J	**Double Tee with Door (Single)**			
a	75 mm	Each	173.00	141.50
b	90 mm	Each	199.50	162.50
c	110 mm	Each	235.00	204.50
d	160 mm	Each	262.50	231.00
K	**Double "Y" with Door (single)**			
a	75 mm	Each	189.00	157.50
b	90 mm	Each	210.00	178.50
c	110 mm	Each	241.50	225.50
d	160 mm	Each	294.00	262.50
L	**Reducer**			
a	75 mm x 63 mm	Each	57.50	47.00
b	110 mm x 63 mm	Each	73.50	63.00
c	110 mm x 75 mm	Each	84.00	73.50
d	110 mm x 90 mm	Each	94.50	84.00

Sl. No.	Description of Materials	Unit	Rate in Rupees	
			"O" Ring Jointing	By pasting
f	160 mm x 110 mm	Each	110.00	105.00
M	**Shoe**			
a	110 mm dia	Each	--	63.00
b	160 mm dia	Each	--	94.50
N	**Vent Cowl**			
a	50 mm dia	Each	--	26.00
b	75 mm dia	Each	--	42.00
c	110 mm dia	Each	--	63.00
	OTHER ITEMS :			
151	PVC screw down tap heavy type 20 mm dia	Each	--	68.00
152	PVC screw down tap heavy type 15 mm dia	Each	--	52.50
153	PVC Adhesive (solution)	100 gm	--	31.50
154	**PVC low level flushing tank with all internal fittings - (wall mounting type)**			
a	White - 10 litre capacity	Set	--	787.50
b	White - 7.5 litre capacity	Set	--	603.50
c	Colour - 10 litre capacity	Set	--	892.50
d	Colour - 7.5 litre capacity	Set	--	708.50
155	PVC Water Tank	Litre	--	7.85

RATES FOR ELECTRICAL ITEMS

ELECTRICAL ITEMS OF WORKS

ELECTRICAL LAMPS, FITTINGS AND CONNECTED ACCESSORIES

Note

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

Item No.	Description	Unit	Rate in Rupees.
	PART-A		
1	INCANDESCENT BULBS 230V/ 250V GRADE BC/ES WITH ISI		
a.	15 Watts	Each	10.00
b	25 Watts	Each	10.00
c.	40 Watts	Each	10.00
d.	60 Watts	Each	10.00
e	100 Watts	Each	10.00
f.	200 Watts	Each	20.00
2	INCANDESCENT BULB 230V/250V GRADE BC/ ES		
	COLOUR 15 WATTS	Each	12.50
3	Blended lamp 160 Watts	Each	242.00
3 a)	PL LAMP (PHILIPS/ OSRAM)		
a.	9 Watts	Each	75.00
b	11 Watts	Each	80.00
c.	18 Watts	Each	126.00
d.	36 Watts	Each	140.00
4	FLUORESCENT TUBULAR LAMPS WITH ISI MARK		
a.	Cool Day light 2 Ft. 20 Watts	Each	38.00
b	Cool Day light 4 Ft. 40 Watts	Each	38.00
c.	Cool Day light 4 Ft. 36 Watts	Each	37.00
5	MERCURY VAPOUR DISCHARGE LAMP 230V GRADE 3 PIN BC		
a.	80 Watts	Each	174.00
b.	125 Watts	Each	182.00
c.	250 Watts	Each	444.00
d.	400 Watts	Each	626.00
6	BOX TYPE SINGLE FLUORESCENT FITTING WITH COPPER CHOKE AND CONDENSOR COMPLETE WITH ISI MARK		
a.	4 ft. 40 Watts with ballast	Each	306.00
b.	4 ft. 40 Watts box type with Ballast (Philips/ Crompton /Wipro)	Each	450.00
7	BOX TYPE TWIN FLUORESCENT FITTING WITH COPPER CHOKE AND CONDENSOR[HPF] COMPLETE WITH ISI MARK		
a.	4ft. 40 Watts	Each	575.00
b.	4 ft. 40 Watts box type (Philips/ Crompton) With Ballast	Each	750.00

Item No.	Description	Unit	Rate in Rupees.
8	INDUSTRIAL TYPE FLUORESCENT FITTING STOVE ENAMELLED WITH COPPER CHOKE AND CONDENSOR (HPF) 4 ft. 40W		
a.	Single type suitable for 1 No. tube	Each	850.00
b.	Twin type suitable for 2 Nos. tube	Each	1,050.00
9	DECORATIVE AND SINGLE FLUORESCENT TYPE FITTING WITH COPPER CHOKE AND CONDENSOR (HPF) COMPLETE SUITABLE FOR ONE NUMBER FLUORESCENT TUBE WITH ISI MARK		
a.	4 ft. 40 Watts with Perspex		Deleted
10	DECORATIVE TWIN FLUORESCENT TYPE FITTING WITH COPPER CHOKE AND CONDENSOR COMPLETE SUITABLE FOR 2 NUMBERS FLUORESCENT TUBE		
a.	4 ft. 40W Twin mirror optic Recessed mounting fitting	Each	1,459.00
b.	4 ft. 40W Twin Mirror optic suspension type fitting. (Philips/ Crompton /Wipro)	Each	2,630.00
c.	4 ft 40W Twin Mirror Optic Recessed mounting type fitting(Philips/ Crompton/ Wipro)	Each	1,930.00
11	SINGLE TYPE STREET LIGHT FLUORESCENT FITTING SUITABLE FOR THE ONE NO. FLUORESCENT TUBE WITH COPPER CHOKE AND CONDENSOR COMPLETE		
a.	4 ft. 40 Watts type	Each	642.00
12	TWIN TYPE STREET LIGHTS FLUORESCENT FITTING SUITABLE FOR 2 Nos. FLUORESCENT TUBES WITH COPPER CHOKE AND CONDENSOR COMPLETE		
a	4 ft. 40 Watts type	Each	864.00
13	POST TOP LANTERN FITTING OF (INTEGRAL TYPE) WITH COPPER CHOKE AND CONDENSOR & NECESSARY ACCESSORIES (PHILIPS/ CROMPTON GREAVES/WIPRO)(SPHERICAL / RIBBED /CONICAL ACRYLIC COVER)		
a.	Suitable for 125 Watts M.V lamp	Each	3,100.00
b.	Suitable for 70 Watts S.V. Lamp	Each	3,267.00
c.	Post top lantern fitting with SC holder suitable for 160 W blended lamp/ incandescent lamp	Each	1,790.00
14	STARTERS FOR FLUORESCENT TUBES		
a.	Starters of capacity 20 watts	Each	10.00
b.	Starters of capacity 40 watts	Each	10.00

Item No.	Description	Unit	Rate in Rupees.
15	POLYSTER FILLED COPPER CHOKE 250V/ 50 HZ GRADE SUITABLE FOR (PHILIPS/CROMPTON /WIPRO)		
a.	20 Watts fluorescent tube	Each	170.00
b.	40 Watts fluorescent tube	Each	170.00
c.	36/40W Electronic ballast for flu. tube (Philips/ Crompton)	Each	295.00
d.	36/40W Electronic ballast for flu. tube (Indo Asean/Equivalent)	Each	240.00
16	CONDENSOR FOR S.V/ M.V LAMP		
a.	8 Mfd for 80 Watts bulb	Each	113.00
b.	10 Mfd for 125 watts bulb	Each	135.00
c.	15 Mfd for 250 Watts bulb	Each	180.00
d.	20 Mfd for 400 watts bulb	Each	248.00
17	Battern type Bakelite holder for lamp	Each	18.00
18	Water tight bulk head fitting suitable for 100/60 watts lamp with guard heavy type (PHILIPS/ BAJAJ/ CROMPTON GREAVES)	Each	300.00
19	Ceiling Rose	Each	15.00
20	Ceiling fixtures 250/300mm complete with		
a.	gallery etc. clear glass opac/ crystal suitable for 40/60 watts bulb	Each	178.00
b.	Ceiling luminaire with mirror optics suitable for 2 Nos. 9 Watts/11 Watts (Philips/Crompton/Bajaj)	Each	1,120.00
	(FOR ITEMS 6 TO 13, 20 & 22 , THE RATES ARE EXCLUSIVE OF COST OF TUBES AND LAMPS)		
21	Fan clamp (dia 12mm) with 6mm MS side plates & 45 cm cross arm	Each	120.00
22	CALL BELLS		
a.	Call bell/ Buzzar 6mm suitable for AC/DC	Each	45.00
b.	Push bell	Each	18.00
c.	Gong bell 9" size suitable for 250 V	Each	450.00
d.	Gong bell 12" size suitable for 250V	Each	650.00
23	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	Each	5,000.00
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(Venus/Racold)	Each	6,750.00

Item No.	Description	Unit	Rate in Rupees.
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	Each	5,800.00
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(Venus/Racold)	Each	7,760.00
	PART 'B'		
1	FANS – CONFORMING TO ISS 374 / 1979		
a.	AC ceiling fan complete 1200mm (48") sweep with 300mm Down rod.(without regulator)	Each	1,150.00
b.	AC ceiling fan complete 1400mm (56") sweep with 300mm Down rod. (Without regulator)	Each	1,230.00
c.	Stepped electronic 300W/450W square type fan regulator (Anchor Deluxe/Equivalent)	Each	195.00
d.	Dimmer type electronic 300W/450W square type fan regulator (Anchor Deluxe/Equivalent)	Each	156.00
e.	AC ceiling fan complete 1200mm (48") sweep with 300mm Down rod.(without regulator) (Crompton make)	Each	1,300.00
f.	AC ceiling fan complete 1400mm (56") sweep with 300mm Down rod (Without regulator) (Crompton make)	Each	1,400.00
II	EXHAUST FANS		
a.	AC exhaust fan 225 mm (9") sweep (Light duty)	Each	1,059.00
b.	AC exhaust fan 300 mm (12") sweep (Light duty)	Each	1,210.00
c.	AC exhaust fan 375 mm (15") sweep (Light duty)	Each	1,250.00
d.	AC exhaust fan 450 mm (18") sweep (Light duty)	Each	1,760.00
e	AC exhaust fan 375 mm (15") sweep (Heavy duty)	Each	2,300.00
f	AC exhaust fan 450 mm (18") sweep (Heavy duty)	Each	2,860.00
III	LOUVER SHUTTERS ARRANGEMENTS		
a.	MS/Fibre Louvers shutters arrangements for 300mm AC exhaust fan	Each	240.00
b.	MS/Fibre Louvers shutters arrangements for 375mm AC exhaust fan	Each	255.00
c.	MS/Fibre Louvers shutters arrangements for 450mm AC exhaust fan	Each	285.00
	PART 'C'		
I	SWITCHES		
a.	5 Amps (Flush type)	Dozen	185.00
b.	5 Amps (Flush type stair case)	Dozen	230.00

Item No.	Description	Unit	Rate in Rupees.
II	DOUBLE POLE SWITCHES(GEM / HPL / HAVELLS /EQUIVALENT)		
a.	16 Amps DP switch with metal clad (front handle)	Each	413.00
b.	32 Amps DP switch with metal clad (front handle)	Each	850.00
c.	16 Amps DP switch with metal clad (side handle)	Each	342.00
d.	32Amps DP switch with metal clad (side handle)	Each	770.00
III	TRIPLE POLE SWITCHES (SIDE HANDLE) (STANDARD /HPL/HAVELLS/ EQUIVALENT)		
a.	100 Amps TPN switch with HRC fuses sheet steel double break	Each	5,800.00
b.	125 Amps TPN switch with HRC fuses sheet steel double break	Each	6,354.00
c.	200 Amps TPN switch with HRC fuses sheet steel double break	Each	8,200.00
d.	315 Amps TPN switch with HRC fuses sheet steel double break	Each	11,709.00
e	400 Amps TPN switch with HRC fuses sheet steel double break	Each	15,000.00
f	16 Amps TPN metal clad switch with rewirable fuse units	Each	880.00
g	32 Amps TPN metal clad switch with rewirable fuse units	Each	1,300.00
h	63 Amps TPN metal clad switch with rewirable fuse units	Each	2,840.00
I	100 Amps metal clad switch with rewirable fuse units	Each.	5,580.00
j	200 Amps metal clad switch with rewirable fuse units	Each	8,450.00
IV A	SWITCH DISCONNECTOR FUSE UNITS IN SHEET STEEL ENCLOSURE (SDF) (L&T/SIEMENS)		
1	63 A TPN switch disconnector fuse units in sheet steel enclosure with HRC fuses double break	Each	3,590.00
2	100 A TPN switch disconnnector fuse units in sheet steel enclosure with HRC fuses double break	Each	6,020.00
3	125 A TPN switch disconnnector fuse units in sheet steel enclosure with HRC fuses double break.	Each	7,122.00
4	200 A TPN switch disconnnector fuse units in sheet steel enclosure with HRC fuses double break	Each	8,945.00
5	250 A TPN switch disconnnector fuse units in sheet steel enclosure with HRC fuses double break	Each	11,138.00
6	315 A TPN switch disconnnector fuse units in sheet steel enclosure with HRC fuses double break	Each	13,370.00
7	400 A TPN switch disconnnector fuse units in sheet steel enclosure with HRC fuses double break	Each	15,370.00

Item No.	Description	Unit	Rate in Rupees.
IV B	SWITCH DISCONNECTOR FUSE UNITS IN OPEN EXECUTION (INTERIOR FOR CUBICAL) (L&T/SIEMENS)		
1	63A TPN Switch disconnector fuse units interior only with HRC fuses double break	Each	2,380.00
2	100 A TPN switch disconnnector fuse units interior only with HRC fuses double break.	Each	4,308.00
3	125 A TPN switch disconnector fuse units interior only with HRC fuses double break.	Each	5,875.00
4	200 A TPN switch disconnector fuse units interior only with HRC fuses double break.	Each	7,580.00
5	250 A TPN switch disconnector fuse units interior only with HRC fuses double break.	Each	9,900.00
6	315 A TPN switch disconnector fuse units interior only with HRC fuses double break.	Each	12,420.00
7	400 A TPN switch disconnector fuse units interior only with HRC fuses double break.	Each	14,680.00
V	FUSE UNITS (ANCHOR /EQUIVALENT)		
a.	16 Amps Porcelain fuse unit (500v)	Each	48.00
b.	32 Amps Porcelain fuse unit (500v)	Each	85.00
c.	63 Amps Porcelain fuse unit (500v)	Each	190.00
d.	100 Amps Porcelain fuse unit (500v)	Each	340.00
e.	200 Amps Porcelain fuse unit (500v)	Each	550.00
VI	SINGLE PHASE DBS (GEM /EQUIVALENT)		
a.	4 way DB 16 Amps /way with fuse & neutral Each (250v)	Each	480.00
b.	6 way DB 16 Amps /way with fuse & neutral Each (250v)	Each	655.00
c.	8 way DB 16 Amps /way with fuse & neutral Each (250v)	Each	810.00
VII	THREE PHASE DBS(GEM /EQUIVALENT)		
a.	4 way TPDB 16A/way with fuse & neutral link	Each	1,900.00
b.	6 way TPDB 16A/way with fuse & neutral link	Each	2,600.00
c.	8 way TPDB 16A/way with fuse & neutral link	Each	3,150.00
d.	4 way TPDB 32A/way with fuse & neutral link	Each	2,400.00
e.	6 way TPDB 32A/way with fuse & neutral link	Each	3,200.00
f.	8 way TPDB 32A/way with fuse & neutral link	Each	4,050.00
g.	4 way TPDB 63A/way with fuse & neutral link	Each	5,594.00
h.	6 way TPDB 63A/way with fuse & neutral link	Each	7,200.00

Item No.	Description	Unit	Rate in Rupees.
VIII	CHANGE OVER SWITCHES(GEM /HAVELLS / HPL/STANDARD /EQUIVALENT)		
a.	16 Amps three phase 500 V 4 pole change over switch	Each	1,250.00
b.	32 Amps three phase 500 V 4 pole change over switch	Each	1,480.00
c.	63 Amps three phase 500 V 4 pole change over switch	Each	3,220.00
d.	100 Amps three phase 500 V 4 pole change over switch	Each	5,130.00
e.	200 Amps three phase 500 V 4 pole change over switch	Each	9,657.00
	PART 'D'		
I a	5 Amps 3 pin and 2 pin combined flush type wall socket only.	Each	24.00
b.	5 Amps /15 amps.3 pin flush type wall socket only.	Each	54.00
c.	5 Amps 3 pin top	Each	34.00
d.	15 Amps 3 pin top	Each	48.00
e.	15 Amps flush type switch	Each	56.00
f.	10 Amps M.C plug with 3 pin top	Each	180.00
g.	20 Amps M.C plug with 3 pin top	Each	205.00
II A	SINGLE PHASE WATT HOUR METERS [HPL/EQUIVALENT)		
a.	AC single phase 230v/250v/50 HZ 5 Amps Watt Hour Meter	Each	954.00
b.	AC single phase 230v/250v/50 HZ 10 Amps Watt Hour meter	Each	954.00
c.	AC single phase 230v/250v/50 HZ 20 Amps Watt Hour meter	Each	954.00
II.B	THREE PHASE WATT HOUR METERS (ANCHOR / EQUIVALENT)		
a.	AC 3 phase 400v 50 HZ unbalanced load 4 wire 10 Amps watt hour meter	Each	1,975.00
b.	AC 3 phase 400v 50 HZ unbalanced load 4 wire 25 Amps watt hour meter	Each	1,975.00
c.	AC 3 phase 400v 50 HZ unbalanced load 4 wire 50 Amps watt hour meter	Each	2,500.00

Item No.	Description	Unit	Rate in Rupees.
	PART 'E'		
I	SERVICE CONNECTION ACCESSORIES LT. 1100V PVC ALUMINIUM CONDUCTOR ARMOURED UNDER GROUND CABLE WITH ISI MARK		
a.	2 Core 6 sq.mm PVC armoured UG cable	Metre	84.50
b.	2 Core 10 sq.mm PVC armoured UG cable	Metre	103.50
c.	2 Core 16 sq.mm PVC armoured UG cable	Metre	111.60
d.	2 Core 25 sq.mm PVC armoured UG cable	Metre	126.70
II	PVC INSULATED SINGLE CORE MULTI STRAND FIRE RETARDANT FLEXIBLE COPPER CABLE WITH ISI MARK CONFORMING TO IS 694/ 1990		
a.	14/0.3 (1.0sq.mm)	Metre	7.80
b.	22/0.3 (1.5 sq.mm)	Metre	12.25
c.	36/0.3 (2.5 sq.mm)	Metre	19.00
d.	56/0.3 (4.0 sq.mm)	Metre	30.00
e.	84/0.3 (6.0sq.mm)	Metre	44.40
f.	140/0.3 (10.0 sq.mm)	Metre	66.60
g.	101/0.45 (16.0 sq.mm)	Metre	109.10
h.	168/0.45 (25.0 sq.mm)	Metre	240.00
III	CONDUCTOR		
a.	Hard drawn copper conductor(Gauge No.8 & 6)	KG	450.00
b.	14 SWG TC wire	KG	460.00
c.	GI No.8 wire and No. 6 wire	KG	80.00
IV	CABLE GLANDS		
a	Cable gland suitable for 2 core 4 sq.mm UG cable	Each	17.00
b	Cable gland suitable for 2 core 6 sq.mm UG cable	Each	21.00
c	Cable gland suitable for 2 core 10 sq.mm UG cable	Each	25.00
d	Cable gland suitable for 2 core 16 sq.mm UG cable	Each	37.00
e	Cable gland suitable for 2 core 25 sq.mm UG cable	Each	44.00
f	Cable gland suitable for 3½ core 25 sq.mm UG cable	Each	44.00
g	Cable gland suitable for 3½ core 35 sq.mm UG cable	Each	56.00
h	Cable gland suitable for 3½ core 50 sq.mm UG cable	Each	56.00
I.	Cable gland suitable for 3½ core 70 sq.mm UG cable	Each	69.00
j.	Cable gland suitable for 3½ core 95 sq.mm UG cable	Each	84.00

Item No.	Description	Unit	Rate in Rupees.
k.	Cable gland suitable for 3½ core 120 sq.mm UG cable	Each	107.00
l.	Cable gland suitable for 3½ core 150 sq.mm UGcable	Each	141.00
m.	Cable gland suitable for 3½ core 185 sq.mm UGCable	Each	167.00
n.	Cable gland suitable for 3½ core 240 sq.mm UG cable	Each	167.00
o.	Cable gland suitable for 3½ core 300 sq.mm UGcable	Each	200.00
p.	Cable gland suitable for 3 ½ core 400 sq.mm UGcable	Each	285.00
q.	Cable gland suitable for 3 ½ core 500 sq.mm UG cable	Each	332.00
r.	Cable gland suitable for 4 core 6 sq.mm UG cable	Each	21.00
s.	Cable gland suitable for 4 core 10 sq.mm UG cable	Each	25.00
t.	Cable gland suitable for 4 core 25 sq.mm UG cable	Each	44.00
V	FUSE WIRE(COPPER)		
a.	5 Amps fuse wire	Kg	450.00
b.	10 Amps fuse wire	Kg	450.00
c.	20 Amps fuse wire	Kg	450.00
VI	NEUTRAL LINK 15 AMPS		
a	4 way Neutral Link	Each	23.00
b	6 way Neutral Link	Each	34.15
c	8 way Neutral Link	Each	42.50
d	12 way Neutral Link	Each	61.65
	PART " F "		
	M.S. BOX WITH PAINTING (16 SWG)		
a	M.S Box of Size (100 x 100 x 75mm)	Each	44.00
b	M.S Box of Size (150 x 100 x 75mm)	Each	61.00
c	M.S Box of Size (200 x 150 x 75mm)	Each	99.00
d	M.S Box complete with lock & key arrangements with painting of size (300 x 200 x 100 mm)	Each	300.00
	PART " G "		
I	MS ANGLES		
a	1½ " x 1½" x 1/4" (37.5 x 37.5 x 6.24 mm) (1M= 3.25 Kg)	KG	42.00
b	1½"x 1½" x ½" (37.5 x 37.5 x 12.5mm)	KG	42.00
c	2" x 2" x ½" (50 x 50 x 12.5 mm)	KG	42.00
II	ALUMINIUM FLAT		
a	Aluminium Flat (1"x 1/4") (25x 6.25 mm)	KG	175.00
b	Aluminium Flat (1"x1/8")	KG	175.00

Item No.	Description	Unit	Rate in Rupees.
III	COPPER FLAT		
a	Copper Flat (25 x 3 mm)	KG	450.00
b	Copper Flat (25 x 6 mm)	KG	450.00
c	Copper Flat (33 x 6 mm)	KG	450.00
d	Copper Flat (50 x 6 mm)	KG	450.00
IV	POWER CAPACITOR		
a	Power capacitor for power factor improvement with oil filled with discharge resistance 3 phase 415/440V 50 HZ conforming to ISS:2384 with ISI marking	KVAR	330.00
	PART- H		
I	CONDUIT MATERIALS 16 Gauge		
a	Conduit pipe 16 mm (5/8") Heavy Gauge	Metre	30.00
b	Conduit pipe 19 mm (3/4") Heavy Gauge	Metre	31.00
c	Conduit pipe 25 mm (1") Heavy Gauge	Metre	38.00
d	Conduit pipe 32 mm (1¼") Heavy Gauge	Metre	50.00
e	Conduit pipe 38 mm (1½") Heavy Gauge	Metre	59.00
II	CONDUIT TEE BENDS		
a	Conduit Tee bends 16 mm (5/8")	Dozen	85.00
b	Conduit Tee bends 19 mm (3/4")	Dozen	86.00
c	Conduit Tee bends 25 mm (1")	Dozen	102.00
d	Conduit Tee bends 32 mm (1¼")	Dozen	106.00
e	Conduit Tee bends 38 mm (1½")	Dozen	133.00
f	Conduit Tee bends 50 mm (2")	Dozen	165.00
III	CONDUIT BENDS 16 Gauge		
a	Conduit solid bends 16 mm (5/8")	Dozen	80.00
b	Conduit solid bends 19 mm (3/4")	Dozen	90.00
c	Conduit solid bends 25 mm (1")	Dozen	105.00
d	Conduit solid bends 32 mm (1¼")	Dozen	124.00
e	Conduit solid bends 38 mm (1½")	Dozen	176.00
f	Conduit solid bends 50 mm (2")	Dozen	215.00
IV	CONDUIT INSPECTION BEND 16 Gauge		
a	Conduit Inspection bends 16 mm (5/8")	Dozen	80.00
b	Conduit Inspection bends 19 mm (3/4")	Dozen	83.00
c	Conduit Inspection bends 25 mm (1")	Dozen	106.00
d	Conduit Inspection bends 32 mm (1 ¼")	Dozen	128.00
e	Conduit Inspection bends 38mm (1½")	Dozen	165.00
f	Conduit Inspection bends 50mm (2")	Dozen	187.00
g.	Conduit Inspection bends 65mm (2½")	Dozen	240.00

Item No.	Description	Unit	Rate in Rupees.
	PART `I'		
I	PVC (RIGID) PIPES (1.8 MM THICK)WITH ISI MARK		
a	PVC rigid pipes 16mm (5/8")	Metre	13.00
b	PVC rigid pipes 20mm (3/4")	Metre	18.65
c	PVC rigid pipes 25mm (1")	Metre	27.55
d	PVC rigid pipes 32mm (1¼")	Metre	41.80
e	PVC rigid pipes 40mm (1½")	Metre	59.35
f	PVC rigid pipes 50mm (2")	Metre	89.00
II	PVC RIGID BENDS		
a	PVC rigid bends 16mm (5/8")	Each	3.00
b	PVC rigid bends 20mm (3/4")	Each	3.00
c	PVC rigid bends 25mm (1")	Each	4.10
d	PVC rigid bends 32mm (1¼")	Each	7.25
e	PVC rigid bends 40mm (1½")	Each	18.00
f	PVC rigid bends 50mm (2")	Each	22.00
III	PVC COUPLES		
a	PVC Couples 16mm (5/8")	Dozen	13.00
b	PVC Couples 19mm (3/4")	Dozen	13.00
c	PVC Couples 25mm (1")	Dozen	25.00
d	PVC Couples 32mm (1¼")	Dozen	57.00
e	PVC Couples 38mm (1½")	Dozen	123.00
f	PVC Couples 50mm (2")	Dozen	129.00
IV	PVC TEES		
a	PVC Tees 16mm (5/8")	Dozen	13.00
b	PVC Tees 19mm (3/4")	Dozen	15.00
c	PVC Tees 25mm (1")	Dozen	19.00
d	PVC Tees 32mm (1¼")	Dozen	85.00
e	PVC Tees 38mm (1½")	Dozen	274.00
f	PVC Tees 50mm (2")	Dozen	300.00
V	PVC Saddles		
a	PVC Saddles 16 mm (5/8")	Dozen	3.00
b	PVC Saddles 19mm (3/4")	Dozen	3.50
c	PVC Saddles 25mm (1")	Dozen	4.00

Item No.	Description	Unit	Rate in Rupees.
d	PVC Saddles 32mm (1¼")	Dozen	5.00
e	PVC Saddles 38mm (1½")	Dozen	6.00
f	PVC Saddles 50mm (2")	Dozen	12.00
VI	PVC JUNCTION BOXES		
a	Junction boxes 1,2,3 & 4 way 16 mm (5/8")	Dozen	40.00
b	Junction boxes 1,2,3 & 4 way 19 mm (3/4")	Dozen	40.00
c	Junction boxes 1,2,3 & 4 way 25 mm (1")	Dozen	47.00
d	Junction boxes 1,2,3 & 4 way 32 mm (1¼")	Dozen	105.00
e	Junction boxes 1,2,3 & 4 way 38 mm (1½")	Dozen	125.00
VII	PVC Hylem sheets		
a	Hylem sheet 3 mm thick	Sq.m	610.00
VIII	Insulation Tape PVC		
a	PVC Insulation Tape (19mm)	Roll/10 mts	15.00
b	Empire Tape (12 mm)	Roll/10 mts	20.00
c	Empire Tape (19 mm)	Roll/10 mts	24.00
	PART `J'		
	TEAK WOOD MATERIALS		
	T.W. BOX CONCEALED TYPE		
a	T.W. Box concealed type 12"x8"x3"	Each	75.00
b	T.W.Box concealed type 8"x6"x3"	Each	40.00
c	T.W. Box concealed type 6"x4"x3"	Each	18.00
d	T.W. Box concealed type 4"x4"x3"	Each	15.00
e	T.W. plugs 1½" x 1" x2"	1000 Nos.	310.00
f	T.W. Round blocks	100 Nos.	600.00
	PART`K'		
I	CRIMPING LUGS SUITABLE FOR THE FOLLOWING SIZES		
	Size	Aluminium	Copper
a	4.0 Sq.mm each	1.40	4.00
b	6.0 Sq.mm each	1.60	4.00
c	10.0 Sq.mm each	2.00	5.00
d	16.0 Sq.mm each	2.00	6.00
e	25.0 Sq.mm each	3.00	10.00

Item No.	Description	Unit	Rate in Rupees.
f	35.0 Sq.mm each	4.00	11.00
g	50.0 Sq.mm each	6.00	13.00
h	70.0 Sq.mm each	8.00	21.00
I.	95.0 Sq.mm each	9.00	26.00
j	120.0 Sq.mm each	12.00	36.00
k	150.0 Sq.mm each	16.00	46.00
l	185.0 Sq.mm each	21.00	70.00
m	225.0 Sq.mm each	31.00	100.00
n	240.0 Sq.mm each	34.00	100.00
o	300.0 Sq.mm each	47.00	135.00
p	400.0 Sq.mm each	70.00	205.00
II	CABLE ROUTE INDICATOR		
a	Cable route indicator for L.T/ cable	Each box	70.00
b	Cable route indicator for H.T/ cable	Each box	70.00
	PART`L'		
I.	BRASS SCREWS		
a	Brass Screws (20mm) ¾" No.6	Gross	65.00
b	Brass Screws (25mm) 1" No.6	Gross	70.00
c	Brass Screws (40mm) 1½" No.6	Gross	75.00
d	Brass Screws (20mm) 3/4" No.8	Gross	65.00
e	Brass Screws (25mm) 1" No.8	Gross	70.00
f	Brass Screws (50mm)2" No.10	Gross	145.00
g	Brass screws (75mm)3" No.10	Gross	215.00
II	Coach screws(2"x¼" (50 x 6.25mm)	Dozen	13.00
III	CONDUIT SADDLES		
a	Conduit Saddles 16mm (5/8")	Gross	40.00
b	Conduit Saddles 19mm (3/4")	Gross	42.50
c	Conduit Saddles 25mm (1")	Gross	50.00
d	Conduit Saddles 32mm (1¼")	Gross	65.00
e	Conduit Saddles 38mm (1½")	Gross	80.00
f	Conduit Saddles 50mm (2")	Gross	90.00
g	Conduit Saddles 65mm (2½")	Gross	103.00

Item No.	Description		Unit	Rate in Rupees.
IV	SODIUM VAPOUR FITTINGS & LAMP			
	(For External Electrification & Campus lighting)			
a	250 Watts Sodium Vapour fittings		Each	3,180.00
b	250 Watts Sodium Vapour lamp		Each	700.00
c	150 Watts Sodium Vapour fittings		Each	3,130.00
d	150 Watts Sodium Vapour lamp		Each	600.00
e	70 Watts Sodium Vapour fittings		Each	2,525.00
f	70 Watts Sodium Vapour lamp		Each	400.00
V	SODIUM VAPOUR LAMP FITTING SINGLE PIECE DIE CAST ALUMINIUM HOUSING & LAMP FOR HEAVY TRAFFIC ROADS (PHILIPS/ CROMPTON CREAVES WIPRO/BAJAJ)			
a	400 Watts sodium vapour fittings		Each	9,500.00
b	400 Watts sodium vapour lamp		Each	985.00
c	250 Watts sodium vapour fittings		Each	6,450.00
d	250 Watts sodium vapour lamp		Each	800.00
e	150 Watts sodium vapour fittings		Each	6,060.00
f	150 Watts sodium vapour lamp		Each	650.00
g	70 Watts sodium vapour fittings		Each	2,600.00
h	70 Watts sodium vapour lamps		Each	450.00
VI	MINIATURE CIRCUIT BREAKERS 240 V/415 V 50HZ AC SUPPLY SUITABLE FOR BOTH LIGHTING AND MOTOR CIRCUITS.		"Legrand" /Hager	All other ISI makes with ISI (Std.)/ HPL/Havels/ equivalent)
a	Single pole 6A to 32A,10 KA	Each	184.00	135.00
b	Single pole 40A , 10 KA	Each	375.00	280.00
c	Single pole & Neutral 6A to 32A, 10 KA	Each	534.00	405.00
d	Single pole & Neutral 40A, 10 KA	Each	865.00	560.00
e	Double pole 6A to 32A, 10 KA	Each	534.00	445.00
f	Double pole 40A, 10 KA	Each	865.00	610.00
g	Triple pole 6A to 32A, 10 KA	Each	859.00	670.00
h	Triple pole 63A , 10 KA	Each	1,328.00	1,080.00
I	Triple pole & Neutral 6A to 32A, 10 KA	Each	1,140.00	875.00
j	Triple pole & Neutral 63A, 10 KA	Each	1,708.00	1,360.00
k	Four pole 6A to 32A, 10 KA	Each	1,140.00	935.00

Item No.	Description					Unit	Rate in Rupees.
I	Four pole 63A, 10 KA				Each	1,708.00	1,440.00
VII	MCB ISOLATORS						
	Legrand(MDS)/Hager(L&T). All other Makes with ISI (Standard)/ HPL/ Havells/equivalent)						
		DP	TP	FP	DP	TP	FP
a	32A each	282.00	470.00	538.00	-	-	-
b	40 A each	389.00	674.00	871.00	270.00	495.00	603.00
c	63 A each	520.00	781.00	951.00	342.00	538.00	630.00
d	100 A each	--	624.00	1001.00	441.00	702.00	768.00
VIII	PLUG AND SOCKETS IN SHEET STEEL ENCLOSURE WITHOUT MCBS					Legrand (MDS)/ Hager(L&T)	All other Make with ISI (Std)/ HPL/Havels/ equivalent)
a.	10A single Pole				Each	884.00	530.00
b.	20A Single pole				Each	949.00	535.00
c.	20A Double Pole				Each	1,029.00	--
d	20A Triple Pole				Each	1,751.00	1,010.00
e	32A Triple Pole				Each	2,075.00	1,370.00
f	63A triple pole				Each	8,410.00	--
IX-1	RCCB/ELCB					Legrand(MDS)/Hager(L&T)	All other makes with ISI (Std)/HPL / Havells/ equivalent)
a	10 Amps 30 MA DP				Each	2,497.00	1,835.00
b	25 Amps 30 MA DP				Each	2,074.00	1,585.00
c	40 Amps 30 MA DP				Each	2,284.00	1,680.00
IX-2	RCCB/ELCB (FOUR POLE)						
a	25 Amps 30 MA				Each	2,835.00	1,945.00
b	40 Amps 30 MA				Each	2,873.00	1,995.00
c	63 Amps 30 MA				Each	3,319.00	2,275.00

Item No.	Description		Unit	Rate in Rupees.
X	HRC FUSES			
a	16 Amps	Each	56.00	30.00
b	32 Amps	Each	58.00	50.00
c	63 Amps	Each	120.00	63.00
d	125 Amps	Each	280.00	140.00
e	160 Amps	Each	350.00	189.00
f	200 Amps	Each	360.00	189.00
g	250 Amps	Each	500.00	279.00

XI 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 out goings 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

I MODULE TYPE WITH IP 20 PROTECTION

Description	No. of ways incomer MCB/Isolator	No. of ways incomer ELCB/RCD	No.of outgoing ways	Legrand (MDS) /HAGER (L & T) Rate in Rs.	All other makes with ISI (Std/ HPL / Havells / equivalent) Rate in Rs.
4 Ways 3 Phase DB	4	4	12	4650/-	3390/-
8 Ways 3 Phase DB	4	4	24	5738/-	4525/-
12 Ways 3 Phase DB	4	4	36	8350/-	5525/-

II.TPMCB DB WITH METAL/ACRYLIC DOOR COVER WITH IP 42 PROTECTION

Description	No. of ways incomer MCB/ Isolator	No. of ways incomer ELCB/ RCD	No.of outgoing ways	Legrand (MDS)/ HAGER (L&T)		All other makes with ISI (Std / HPL/ Havells / equivalent) (Rate in Rupees)
				With metal Door (Rate in Rupees)	With ACRYLIC door (Rates in Rupees)	
4 Ways 3 Phase DB	4	4	12	5397/-	6514/-	4435/-
	4	4	24	6833/-	8278/-	5450/-
12 Ways 3 Phase DB	4	4	36	9148/-	11044/-	6700/-

III.INDUSTRIAL TYPE TPMCB DB WITH IP 54 PROTECTION

Description	No. of ways incomer MCB/Isolator	No. of ways incomer ELCB/RCD	No.of outgoing ways	Legrand (MDS) /HAGER (L & T) Rate in Rs.
4 Ways 3 Phase DB	4	4	12	10110/-
8 Ways 3 Phase DB	4	4	24	12184/-
12 Ways 3 Phase DB	4	4	36	16365/-

XII 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 outgoings 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

I MODULE TYPE WITH IP 20 PROTECTION

Description	No. of ways incomer MCB/Isolator	No. of ways incomer ELCB/RCD	No.of outgoing ways	Legrand (MDS) /HAGER (L & T) Rate in Rs.	All other makes with ISI (Std) / HPL /Havells/equivalent) Rate in Rs.
4 Ways 3 Phase DB	4	4	12	1674/-	1050/-
6 Ways 3 Phase DB	4	4	18	2074/-	1315/-
8 Ways 3 Phase DB	4	4	24	2465/-	1595/-
12 Ways 3 Phase DB	4	4	36	3667/-	2175/-

II.TPMCB DB WITH METAL / ACRYLIC DOOR COVER WITH IP 42 PROTECTION

Description	No. of ways incomer MCB/Isolator	No. of ways incomer ELCB/ RCD	No.of outgoing ways	Legrand (MDS)/ HAGER (L&T)		All other makes with ISI (Std) / HPL/ Havells/ equivalent) (Rate in Rupees)
				With metal Docr (Rate in Rupees)	With ACRYLIC door (Rates in Rupees)	
4 Ways 3 Phase DB	4	4	12	2261	2629/-	1795/-
6 Ways 3 Phase DB	4	4	18	2790/-	3230/-	2270/-
8 Ways 3 Phase DB	4	4	24	3342/-	3850/-	2780/-
12 Ways 3 Phase DB	4	4	36	4927/-	5866/-	3764/-

III.INDUSTRIAL TYPE TPMCB DB WITH IP 54 PROTECTION

Description	No. of ways incomer	No.of ways incomer ELCB/RCD	No.of outgoing ways	Legrand (MDS) /HAGER (L & T) Rate in Rs.
4 Ways 3 Phase DB	4	4	12	6364/-
6 Ways 3 Phase DB	4	4	18	7659/-
8 Ways 3 Phase DB	4	4	24	8377/-
12 Ways 3 Phase DB	4	4	36	11700/-

XIII 7 SEGMENT (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 out goings 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 provision 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

1. MODULE TYPE WITH IP 20 PROTECTION

Description	No. of ways incomer MCB/Isolator	No. of ways incomer ELCB/RCD	No.of Sub incomers	No. of out going ways	Legrand (MDS) /HAGER (L & T) Rate in Rs.
4 Ways 3 Phase DB	4	4	12	12	5013/-
6 Ways 3 Phase DB	4	4	12	18	5377/-
8 Ways 3 Phase DB	4	4	12	24	5709/-
12 Ways 3 Phase DB	4	4	12	36	6576/-

II.TPMCB DB WITH METAL /ACRYLIC DOOR COVER WITH IP 42 PROTECTION

Description	No. of ways incomer MCB/Isolator	No. of ways incomer ELCB/RCD	No.of Sub incomers	No. of out going ways	Legrand (MDS) /HAGER (L & T) Rate in Rs.
4 Ways 3 Phase DB	4	4	12	12	5328/-
6 Ways 3 Phase DB	4	4	12	18	6000/-
8 Ways 3 Phase DB	4	4	12	24	6700/-
12 Ways 3 Phase DB	4	4	12	36	8515/-

XIV 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 out goings 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

I MODULE TYPE WITH IP 20 PROTECTION

Description	No. of ways incomer MCB/Isolator	No.of ways incomer ELCB/RCD	No.of outgoing ways	Legrand (MDS) /HAGER (L & T) Rate in Rs.	All other makes with ISI (STD) /HPL/Havells/ equivalent) Rate in Rs.
4 Ways 3 Phase DB	2	2	4	612.00	333.00
4 Ways 3 Phase DB	2	2	8	766.00	423.00
4 Ways 3 Phase DB	2	2	12	906.00	576.00

II. SPMCB DB WITH METAL/ACRYLIC DOOR COVER WITH IP 42 PROTECTION

Description	No. of ways incomer MCB/Isolator	No. of ways incomer ELCB/RCD	No.of outgoing ways	Legrand (MDS)/ HAGER (L&T) With metal Door (Rate in Rupees)	With ACRYLIC door (Rates in Rupees)	All other makes with ISI (Std) with metal door/ HPL/ Havell's / equivalent (Rate in Rupees)
4 Ways 3 Phase DB	2	2	4	891/-	1056/-	585/-
4 Ways 3 Phase DB	2	2	8	1113/-	1244/-	795/-
4 Ways 3 Phase DB	2	2	12	1341/-	1505/-	1025/-

III.INDUSTRIAL TYPE TPMCB DB WITH IP 54 PROTECTION.

Description	No. of ways incomer MCB/Isolator	No. of ways incomer ELCB/RCD	No.of outgoing ways	Legrand (MDS) /HAGER (L & T) Rate in Rs.
4 Ways 3 Phase DB	2	2	4	2669/-
4 Ways 3 Phase DB	2	2	8	3135/-
4 Ways 3 Phase DB	2	2	12	3615/-

RATES FOR WORKS

INFILTRATION WORKS			
Schedule Item No.	Description	Unit	Rate Rs.
1	Earthwork excavation above water level in light or sandy or clayey soils for manhole wells, infiltration wells, suction wells etc. including levelling the site with an initial lead of 10 metres.		
	First depth of 2 metres	One Cubic metre	33.00
	Second depth of 2 metres	One Cubic metre	51.00
	Third depth of 2 metres	One Cubic metre	73.00
	Fourth depth of 2 m	One Cubic metre	102.00
2	Erection of Ring well below water level including all incidental charges using special tools and plants such as air compressor helmet etc. complete and including bailing out water.		
a.	For 0.90 metre dia Ring well (internal)		
	First depth of 2 metres	One metre	259.00
	Second depth of 2 m	One metre	476.00
	Third depth of 2 m	One metre	999.00
	Fourth depth of 2 m	One metre	1993.00
	Fifth depth of 2 m	One metre	3925.00
	Sixth depth of 2 m	One metre	7856.00
b.	For 1.2 metre dia Ring well (internal)		
	First depth of 2 metres	One metre	287.00
	Second depth of 2 m	One metre	574.00
	Third depth of 2 m	One metre	1142.00
	Fourth depth of 2 m	One metre	2139.00
	Fifth depth of 2 m	One metre	3969.00
	Sixth depth of 2 m	One metre	7928.00
c.	For 1.50 metre dia Ring well (internal)		
	First depth of 2 metres	One metre	332.00
	Second depth of 2 m	One metre	658.00
	Third depth of 2 m	One metre	1301.00
	Fourth depth of 2 m	One metre	2591.00
	Fifth depth of 2 m	One metre	5174.00
	Sixth depth of 2 m	One metre	10303.00

Schedule Item No.	Description	Unit	Rate Rs.	
			Ordinary soil (or) loose soil sandy soil	Silt (or) clay pocket
B	Sinking well below water level including all incidental charges using special tools and plants such as air compressor, helmet etc., complete and including baling out water.			
a.	For 1.0 metre dia (internal)			
	First depth of 2 metres	One metre	378.00	544.00
	Second depth of 2 m	One metre	635.00	997.00
	Third depth of 2 m	One metre	1267.00	1989.00
	Fourth depth of 2 m	One metre	2500.00	3971.00
	Fifth depth of 2 m	One metre	4759.00	7456.00
	Sixth depth of 2 m	One metre	8934.00	13954.00
	Seventh depth of 2 m	One metre	13109.00	18967.00
	Eighth depth of 2 m	One metre	17285.00	23980.00
	Nineth depth of 2 m	One metre	21458.00	28991.00
	Tenth depth of 2 m	One metre	25633.00	34005.00
b.	For 1.25 metre dia (internal)			
	First depth of 2 metres	One metre	493.00	746.00
	Second depth of 2 m	One metre	985.00	1493.00
	Third depth of 2 m	One metre	1965.00	3019.00
	Fourth depth of 2 m	One metre	3523.00	5424.00
	Fifth depth of 2 m	One metre	6226.00	9622.00
	Sixth depth of 2 m	One metre	11242.00	17419.00
	Seventh depth of 2 m	One metre	16254.00	25219.00
	Eighth depth of 2 m	One metre	21268.00	33016.00
	Nineth depth of 2 m	One metre	26285.00	40815.00
	Tenth depth of 2 m	One metre	31298.00	48614.00
c.	For 2.0 metre dia (internal)			
	First depth of 2 metres	One metre	765.00	1230.00
	Second depth of 2 m	One metre	1524.00	2458.00
	Third depth of 2 m	One metre	3041.00	4907.00
	Fourth depth of 2 m	One metre	4860.00	8992.00
	Fifth depth of 2 m	One metre	9500.00	16351.00

Sche-dule Item No.	Description	Unit	Rate Rs.	
			Ordinary soil (or) loose soil sandy soil	Silt (or) clay pocket
	Sixth depth of 2 m	One metre	18997.00	30544.00
	Seventh depth of 2 m	One metre	28490.00	44750.00
	Eighth depth of 2 m	One metre	37985.00	58952.00
	Nineth depth of 2 m	One metre	47480.00	73151.00
	Tenth depth of 2 m	One metre	56974.00	87351.00
d.	For 2.5 metre dia (internal)			
	First depth of 2 metres	One metre	965.00	1603.00
	Second depth of 2 m	One metre	2005.00	3152.00
	Third depth of 2 m	One metre	4006.00	6279.00
	Fourth depth of 2 m	One metre	7460.00	11666.00
	Fifth depth of 2 m	One metre	13888.00	21575.00
	Sixth depth of 2 m	One metre	26820.00	40401.00
	Seventh depth of 2 m	One metre	39750.00	59225.00
	Eighth depth of 2 m	One metre	52681.00	78050.00
	Nineth depth of 2 m	One metre	65611.00	96874.00
	Tenth depth of 2 m	One metre	78544.00	115698.00
e.	For 3.00 metre dia (internal)			
	First depth of 2 metres	One metre	1246.00	2170.00
	Second depth of 2 m	One metre	2469.00	4218.00
	Third depth of 2 m	One metre	4931.00	8438.00
	Fourth depth of 2 m	One metre	9516.00	15845.00
	Fifth depth of 2 m	One metre	17784.00	29588.00
	Sixth depth of 2 m	One metre	33707.00	51590.00
	Seventh depth of 2 m	One metre	49628.00	73561.00
	Eighth depth of 2 m	One metre	65550.00	95549.00
	Nineth depth of 2 m	One metre	81472.00	117537.00
	Tenth depth of 2 m	One metre	97396.00	139527.00
f.	For 3.50 metre dia (internal)			
	First depth of 2 metres	One metre	1585.00	2541.00
	Second depth of 2 m	One metre	3080.00	4988.00
	Third depth of 2 m	One metre	6147.00	9951.00

Schedule Item No.	Description	Unit	Rate Rs.	
			Ordinary soil (or) loose soil sandy soil	Silt (or) clay pocket
	Fourth depth of 2 m	One metre	11509.00	18652.00
	Fifth depth of 2 m	One metre	21501.00	35462.00
	Sixth depth of 2 m	One metre	40738.00	65828.00
	Seventh depth of 2 m	One metre	59973.00	96196.00
	Eighth depth of 2 m	One metre	79212.00	126559.00
	Nineth depth of 2 m	One metre	98448.00	156924.00
	Tenth depth of 2 m	One metre	117685.00	187291.00
g.	For 4.00 metre dia (internal)			
	First depth of 2 metres	One metre	1811.00	3049.00
	Second depth of 2 m	One metre	3487.00	5837.00
	Third depth of 2 m	One metre	6948.00	11662.00
	Fourth depth of 2 m	One metre	13049.00	21849.00
	Fifth depth of 2 m	One metre	24405.00	40744.00
	Sixth depth of 2 m	One metre	46270.00	77122.00
	Seventh depth of 2 m	One metre	68135.00	113499.00
	Eighth depth of 2 m	One metre	89999.00	149878.00
	Nineth depth of 2 m	One metre	111878.00	186004.00
	Tenth depth of 2 m	One metre	133729.00	219820.00
h.	For 4.50 metre dia (internal)			
	First depth of 2 metres	One metre	2163.00	3647.00
	Second depth of 2 m	One metre	4240.00	7252.00
	Third depth of 2 m	One metre	8511.00	14473.00
	Fourth depth of 2 m	One metre	14801.00	27140.00
	Fifth depth of 2 m	One metre	25656.00	50750.00
	Sixth depth of 2 m	One metre	47715.00	84563.00
	Seventh depth of 2 m	One metre	69850.00	118377.00
	Eighth depth of 2 m	One metre	91950.00	152190.00
	Nineth depth of 2 m	One metre	114046.00	186256.00
	Tenth depth of 2 m	One metre	136144.00	222633.00
i.	For 5.00 metre dia (internal)			
	First depth of 2 metres	One metre	2682.00	4523.00

Schedule Item No.	Description	Unit	Rate Rs.	
			Ordinary soil (or) loose soil sandy soil	Silt (or) clay pocket
	Second depth of 2 m	One metre	5233.00	8394.00
	Third depth of 2 m	One metre	10409.00	16759.00
	Fourth depth of 2 m	One metre	19532.00	32819.00
	Fifth depth of 2 m	One metre	35267.00	61326.00
	Sixth depth of 2 m	One metre	68962.00	116199.00
	Seventh depth of 2 m	One metre	102657.00	171072.00
	Eighth depth of 2 m	One metre	136350.00	225944.00
	Nineth depth of 2 m	One metre	170047.00	280819.00
	Tenth depth of 2 m	One metre	203743.00	335692.00
j.	For 6.00 metre dia (internal)			
	First depth of 2 metres	One metre	3855.00	6304.00
	Second depth of 2 m	One metre	7473.00	12190.00
	Third depth of 2 m	One metre	14193.00	24366.00
	Fourth depth of 2 m	One metre	27969.00	45653.00
	Fifth depth of 2 m	One metre	52278.00	85156.00
	Sixth depth of 2 m	One metre	99095.00	161119.00
	Seventh depth of 2 m	One metre	145919.00	237081.00
	Eighth depth of 2 m	One metre	192738.00	313045.00
	Nineth depth of 2 m	One metre	239559.00	389007.00
	Tenth depth of 2 m	One metre	286378.00	464970.00
NOTE:	In case the water table is met with at depth of 2.00 m and below, from the bed level, an extra percentage as under may be allowed over the existing rates for items 3(a) to 3 (j) for the extra lift involved.			
	Where water table is 2.00m, below bed level and upto 4.00 m		15% extra	
	Where water table is beyond 4.00m and upto 6.00m		20% extra	

Schedule Item No.	Description	Unit	Rate in Rupees
4a.	Earthwork excavation above water level in light or sandy soil for infiltration gallery, syphon or connecting pipeline and connected works including refilling complete.		
	First depth of 2 m	One cubic metre	37.00
	Second depth of 2 m	One cubic metre	53.00
	Third depth of 2 m	One cubic metre	77.00
	Fourth depth of 2 m	One cubic metre	103.00
b.	Earthwork excavation below water level in light or sandy soil for infiltration gallery, syphon or connecting pipe line and connected works including shoring and strutting and charges for special tools and plants for bailing/ pumping etc., such as air compressor and helmet.		
	First depth of 2 m	One cubic metre	687.00
	Second depth of 2 m	One cubic metre	971.00
	Third depth of 2 m	One cubic metre	1456.00
	Fourth depth of 2 m	One cubic metre	2112.00
c	Earthwork excavation below water level in clayey soil for infiltration gallery for laying syphon pipe line or connecting pipe and connected works, shoring and strutting and charges for special tools and plants for bailing/pumping etc., such as air compressor and helmet.		
	First depth of 2 m	One cubic metre	1142.00
	Second depth of 2 m	One cubic metre	1587.00
	Third depth of 2 m	One cubic metre	2478.00

Schedule Item No.	Description	Unit	Rate in Rupees
	Fourth depth of 2 m	One cubic metre	3709.00
d	Earthwork excavation below water level in soft disintegrated rock for infiltration gallery, laying syphone pipe line/ connecting pipes etc., including shoring, strutting and charges for special tools and plants.		
	First depth of 2 m	One cubic metre	799.00
	Second depth of 2 m	One cubic metre	1064.00
	Third depth of 2 m	One cubic metre	1657.00
	Fourth depth of 2 m	One cubic metre	2864.00
NOTE(i)	For sinking wells in soil mixed with pebbles boulder of size 80 mm to 600 mm mixed with clay and silt below water level, including bailing/ pumping water and charges for special tools and plants etc., complete, an extra 20% (Twenty perentage) over the rates for items 2,3b,3c & 3d in the schedule of rates is allowed.		
ii	In case the water table is met with at a depth of 2.00m and below from the bed level, an extra percentage as under may be allowed over the existing rates for items 4(b), 4(c) and 4(d) above the extra lift involved		
	Where water table is 2.00m below bed level and upto 4.00m.	10% extra	
	Where water table is beyond 4.00m and upto 6.00m	15% extra	

Schedule Item No.	Description	Unit	Rate in Rupees
	Pipe laying works		
5a	Laying stoneware pipes and open joint with fillet in the infiltration gallery excluding cost of pipes but including charges of special tools and plant etc., such as air compressor and helmet.		
i	200 mm dia stoneware pipes	One metre	110.00
ii	225 mm dia stoneware pipes	One metre	135.00
iii	300 mm dia stoneware pipes	One metre	158.00
iv	350 mm dia stoneware pipes	One metre	183.00
v	375 mm dia stoneware pipes	One metre	227.00
vi	450 mm dia stoneware pipes	One metre	234.00
b	Laying and jointing PVC slotted pipes in the infiltration gallery excluding cost of pipes but including charges for special tools and plants etc., complete such as air compressor and helmet.		
	200 mm dia (OD) PVC pipes	One metre	82.00
	315 mm dia (OD) PVC pipes	One metre	125.00
c	Refilling gallery trench and filter basins with clean excavated sand free from silt and clay	One cubic metre	8.80
6	Labour charges for laying filter media below water level in all depths as per specfification for infiltration gallery works including screening cleaning and charges for special tools and plant complete such as air compressor, helmets, sheet piles		
a	Granite metal 6mm to 40mm	One cubic metre	114.00
b	Coarse sand passing through a sieve of four meshes to 2.5 centimetres and retained in a sieve of ten meshes to 2.5 centimetres and filling it under water	One cubic metre	563.00
c	Coarse sand passing through a sieve of ten meshes to 2.5 centimetres and retained in a sieve of 200 meshes to 2.5 centimetres and filling it under water	One cubic metre	214.00

Schedule Item No.	Description	Unit	Rate in Rupees
d.	Cost of coarse sand D-10 and D-20 for laying gallery media for a lead not exceeding 200 M from the source to the place of stacking including stacking etc., complete.	One cubic metre	146.00
e	Cost of hard granite metal of size (B.S.S.) 6 mm to 12 mm filter media (machine crushed)	One cubic metre	765.00
	(I) NOTE: For 6(a),(b) and (c):		
	The above rates are labour charges for laying the filter media including screening, cleaning etc., for a lead not exceeding 200 metres from the place of stacking to the point of laying the media. The cost of materials and the lead from the source to the place of stacking are to be paid for separately.		
	(ii) NOTE: FOR 6(d):		
	The above rates are applicable to cases where the screened materials is not less than 10% of the collected material. In specific cases where the screened material is less than 10% of the collected material prior orders of the superintending Engineer, TWAD Board are to be obtained in specific cases for increased rate of labour required.		
	(iii) NOTE: FOR 6(e)		
	The above rates are applicable to cases where the screened materials is not less than 20% of the collected materials. In case where the screened materials is less than 20% of the collected material, prior orders of the Superintending Engineer, TWAD are to be obtained in specific cases for increased rate of labour required.		

Schedule Item No.	Description	Unit	Rate in Rupees.
7a	I) Lowering of C.I / D.I.Pipes and specials in the trenches and laying to proper grade and alignment and as directed by the TWAD Officers.		
	For depth upto 2m		
	80 mm dia C.I./ D.I. Pipes and Specials	One metre	6.00
	100 mm dia C.I./ D.I. Pipes and Specials	One metre	7.00
	125 mm dia C.I./ D.I. Pipes and Specials	One metre	9.00
	150 mm dia C.I./ D.I. Pipes and Specials	One metre	12.00
	200 mm dia C.I./ D.I. Pipes and Specials	One metre	15.00
	250 mm dia C.I./ D.I. Pipes and Specials	One metre	19.00
	300 mm dia C.I./ D.I. Pipes and Specials	One metre	21.00
	350 mm dia C.I./ D.I. Pipes and Specials	One metre	26.00
	400 mm dia C.I./ D.I. Pipes and Specials	One metre	30.00
	450 mm dia C.I./ D.I. Pipes and Specials	One metre	35.00
	500 mm dia C.I./ D.I. Pipes and Specials	One metre	38.00
	600 mm dia C.I./ D.I. Pipes and Specials	One metre	47.00
	700 mm dia C.I./ D.I. Pipes and Specials	One metre	59.00
	750 mm dia C.I./ D.I. Pipes and Specials	One metre	66.00
	800 mm dia C.I./ D.I. Pipes and Specials	One metre	77.00
	900 mm dia C.I./ D.I. Pipes and Specials	One metre	89.00
	NOTE: i) For depth between 2m & 4m 10% over basic rates and for 4m to 6m 20% over basic rate allowed		
	ii) For work of laying CI connecting pipe/ syphon basic pipe below water, double the above rates shall be allowed.		
	iii) For laying pipes in sewer line except pumping main 10% more is allowed.		
	b)Lowering GI pipes and specials in the trenches and laying to proper grade and alignment and as directed by the TWAD Officers		
	15mm to 40mm dia	One metre	6.00
	50mm to 65mm dia	One metre	6.00
	80mm to 100mm dia	One metre	8.00
	125mm to 150mm dia	One metre	8.00
	c) Disjointing C.I. Tyton S/S pipes and specials, and lifting C.I. Pipes from the trenches and stacking at places shown by the departmental officers.		
	For depth upto 2 m		
	80 mm dia C.I. Pipes and specials	One metre	6.00
	100mm dia C.I. Pipes and specials	One metre	7.00
	125 mm dia C.I. Pipes and specials	One metre	8.00

Sche-dule Item No.	Description	Unit	Rate in Rupees.
	150 mm dia C.I. Pipes and specials	One metre	11.00
	200 mm dia C.I. Pipes and specials	One metre	12.00
	250 mm dia C.I. Pipes and specials	One metre	19.00
	300 mm dia C.I. Pipes and specials	One metre	20.00
	350 mm dia C.I. Pipes and specials	One metre	26.00
	400 mm dia C.I. Pipes and specials	One metre	28.00
	450 mm dia C.I. Pipes and specials	One metre	33.00
	500 mm dia C.I.pipes and specials	One metre	36.00
	600 mm dia C.I.pipes and specials	One metre	44.00
	700 mm dia C.I.pipes and specials	One metre	51.00
	800 mm dia C.I.pipes and specials	One metre	56.00
	825 mm dia C.I.pipes and specials	One metre	64.00
	900 mm dia C.I.pipes and specials	One metre	71.00
	NOTE: For depth between	% excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	20%	
d.	Lowering of M.S pipes and specials into the trenches and laying to proper grade and alignment and as directed by the TWAD officers.		
	Up to 350mm dia	One metre	19.00
	400 mm Dia	One metre	24.00
	450 mm Dia	One metre	26.00
	500 mm Dia	One metre	28.00
	600 mm Dia	One metre	35.00
	700 mm Dia	One metre	45.00
	900 mm Dia	One metre	64.00
	1000 mm Dia	One metre	80.00
	1050 mm Dia	One metre	84.00
	1100 mm Dia	One metre	88.00
	1200 mm Dia	One metre	96.00
	1400 mm Dia	One metre	141.00
	1600 mm Dia	One metre	183.00
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	20%	

Schedule Item No.	Description	Unit	Rate in Rupees.
8a	Jointing the C.I./ D.I. S/S pipes and specials with molten lead and Yarn including caulking the joints and testing to the required pressure with water. (Including cost of jointing materials)		
	For depth upto 2m		
	80 mm dia C.I./ D.I. S./S pipes and specials	Each Joint	202.00
	100 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	246.00
	125 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	324.00
	150 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	380.00
	200 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	515.00
	250 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	733.00
	300 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	795.00
	350 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	982.00
	400 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	1197.00
	450 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	1790.00
	500 mm dia C.I./D.I. S/S pipes and specials	Each Joint	2010.00
	600 mm dia C.I./D.I. S/S pipes and specials	Each Joint	2401.00
	700 mm dia C.I./D.I. S/S pipes and specials	Each Joint	2711.00
	750 mm dia C.I./D.I. S/S pipes and specials	Each Joint	3251.00
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
8b	Jointing C.I./ D.I. S/S pipes and specials with rubber gaskets (tyton joint) including cost of lubricants, testing to the required pressure with water (including cost of jointing materials)		
	For depth upto 2m		
	80 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	21.00
	100 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	26.00
	125 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	26.00
	150 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	27.00
	200 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	48.00
	250 mm dia C.I./D.I. S/S pipes and specials	Each Joint	66.00
	300 mm dia C.I./D.I. S/S pipes and specials	Each Joint	79.00
	350 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	86.00
	400 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	112.00
	450 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	158.00
	500 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	195.00
	600 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	265.00

Sche-dule Item No.	Description	Unit	Rate in Rupees.
	700 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	355.00
	750 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	443.00
	800 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	572.00
	900 mm dia C.I./ D.I. S/S pipes and specials	Each Joint	751.00
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	20%	
8c	Jointing the C.I./ D.I. Double flanged pipes and specials with rubber insertion to the required specifications with M.S. bolts and nuts, complete and testing the pipes to the required pressure with water (including cost of jointing materials)		
	For depth upto 2m		
	For works above water level		
	80 mm dia CI / DI Double flanged pipes and specials	Each Joint	64.00
	100 mm dia CI / DI Double flanged pipes and specials	Each Joint	111.00
	125 mm dia CI / DI Double flanged pipes and specials	Each Joint	117.00
	150 mm dia CI / DI Double flanged pipes and specials	Each Joint	192.00
	200 mm dia CI / DI Double flanged pipes and specials	Each Joint	211.00
	250 mm dia CI / DI Double flanged pipes and specials	Each Joint	302.00
	300 mm dia CI / DI Double flanged pipes and specials	Each Joint	333.00
	350 mm dia CI / DI Double flanged pipes and specials	Each Joint	434.00
	400 mm dia CI / DI Double flanged pipes and specials	Each Joint	652.00
	450 mm dia CI / DI Double flanged pipes and specials	Each Joint	724.00
	500 mm dia CI / DI Double flanged pipes and specials	Each Joint	889.00
	600 mm dia CI / DI Double flanged pipes and specials	Each Joint	1216.00
	700 mm dia CI / DI Double flanged pipes and specials	Each Joint	1279.00
	750 mm dia CI / DI Double flanged pipes and specials	Each Joint	1310.00
	800 mm dia CI / DI Double flanged pipes and specials	Each Joint	1343.00
	900 mm dia CI / DI Double flanged pipes and specials	Each Joint	1526.00
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	

Schedule Item No.	Description	Unit	Rate in Rupees.
8d	Jointing C.I./ D.I.double flanged pipes and specials with rubber insertion or any equivalent to the required specifications with M.S. bolts and nuts etc., complete and testing the pipes to the required pressure including charges for special tools and plants such as air compressor and helmets and sheet piles. etc (including cost of jointing materials)		
	For depth upto 2m		
	For works below water level		
	80 mm dia CI / DI Double flanged Pipes and specials	Each Joint	135.00
	100 mm dia CI / DI Double flanged Pipes and specials	Each Joint	201.00
	125 mm dia CI / DI Double flanged Pipes and specials	Each Joint	224.00
	150 mm dia CI / DI Double flanged Pipes and specials	Each Joint	320.00
	200 mm dia CI / DI Double flanged Pipes and specials	Each Joint	369.00
	250 mm dia CI / DI Double flanged Pipes and specials	Each Joint	504.00
	300 mm dia CI / DI Double flanged Pipes and specials	Each Joint	556.00
	350 mm dia CI / DI Double flanged Pipes and specials	Each Joint	689.00
	400 mm dia CI / DI Double flanged Pipes and specials	Each Joint	947.00
	450 mm dia CI / DI Double flanged Pipes and specials	Each Joint	1054.00
	500 mm dia CI / DI Double flanged Pipes and specials	Each Joint	1238.00
	600 mm dia CI / DI Double flanged Pipes and specials	Each Joint	1743.00
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
8e	Jointing the C.I./ D.I. S/S pipes and specials with neat cement or cement mortar and spun yarn including caulking the joints curing and testing to the required pressure with water (including cost of jointing materials)		
	For depth upto 2m		
	80mm dia CI / DI S/S Pipes and Specials	Each Joint	49.00
	100mm dia CI / DI S/S Pipes and Specials	Each Joint	51.00
	125mm dia CI / DI S/S Pipes and Specials	Each Joint	66.00
	150mm dia CI / DI S/S Pipes and Specials	Each Joint	74.00
	200mm dia CI / DI S/S Pipes and Specials	Each Joint	117.00
	250mm dia CI / DI S/S Pipes and Specials	Each Joint	136.00
	300mm dia CI / DI S/S Pipes and Specials	Each Joint	166.00
	350mm dia CI / DI S/S Pipes and Specials	Each Joint	193.00
	400mm dia CI / DI S/S Pipes and Specials	Each Joint	228.00
	450mm dia CI / DI S/S Pipes and Specials	Each Joint	272.00

Sche-dule Item No.	Description	Unit	Rate in Rupees.
	500mm dia CI / DI S/S Pipes and Specials	Each Joint	317.00
	600mm dia CI / DI S/S Pipes and Specials	Each Joint	389.00
	700mm dia CI / DI S/S Pipes and Specials	Each Joint	425.00
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
9	Lowering RCC pipes and specials into the trenches and laying to proper grade and alignment		
	For depth upto 2m		
	150mm dia R.C.C. Pipes and Specials	One metre	18.00
	200mm dia R.C.C. Pipes and Specials	One metre	19.00
	250mm dia R.C.C. Pipes and Specials	One metre	24.00
	300mm dia R.C.C. Pipes and Specials	One metre	28.00
	350mm dia R.C.C. Pipes and Specials	One metre	35.00
	400mm dia R.C.C. Pipes and Specials	One metre	38.00
	450mm dia R.C.C. Pipes and Specials	One metre	44.00
	500mm dia R.C.C. Pipes and Specials	One metre	51.00
	600mm dia R.C.C. Pipes and Specials	One metre	59.00
	700mm dia R.C.C. Pipes and Specials	One metre	66.00
	750mm dia R.C.C. Pipes and Specials	One metre	69.00
	800mm dia R.C.C. Pipes and Specials	One metre	84.00
	900mm dia R.C.C. Pipes and Specials	One metre	99.00
	1000mm dia R.C.C. Pipes and Specials	One metre	114.00
	1100mm dia R.C.C. Pipes and Specials	One metre	133.00
	1200mm dia R.C.C. Pipes and Specials	One metre	148.00
	1300mm dia R.C.C. Pipes and Specials	One metre	163.00
	NOTE: For depth between	% excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
i)	Each Collar joint is to be treated as one joint only		
ii)	For laying RCC pipes in sewage lines, except pumping main, 5% more is allowed		
10a	Jointing RCC pipes with cement using necessary collars and testing to the required pressure including the cost of jointing materials and conveyance of water for filling the pipes during testing		
	For depth upto 2m		

Schedule Item No.	Description	Unit	Rate in Rupees.
	150mm dia R.C.C. Pipes and Specials	Each Joint	97.00
	200mm dia R.C.C. Pipes and Specials	Each Joint	119.00
	250mm dia R.C.C. Pipes and Specials	Each Joint	146.00
	300mm dia R.C.C. Pipes and Specials	Each Joint	164.00
	350mm dia R.C.C. Pipes and Specials	Each Joint	176.00
	400mm dia R.C.C. Pipes and Specials	Each Joint	190.00
	450mm dia R.C.C. Pipes and Specials	Each Joint	223.00
	500mm dia R.C.C. Pipes and Specials	Each Joint	246.00
	600mm dia R.C.C. Pipes and Specials	Each Joint	293.00
	700mm dia R.C.C. Pipes and Specials	Each Joint	341.00
	750mm dia R.C.C. Pipes and Specials	Each Joint	360.00
	800mm dia R.C.C. Pipes and Specials	Each Joint	374.00
	900mm dia R.C.C. Pipes and Specials	Each Joint	425.00
	1000mm dia R.C.C. Pipes and Specials	Each Joint	435.00
	1100mm dia R.C.C. Pipes and Specials	Each Joint	476.00
	1200mm dia R.C.C. Pipes and Specials	Each Joint	528.00
	1300mm dia R.C.C. Pipes and Specials	Each Joint	584.00
	NOTE: For depth between	% excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
	Each collar joint is to be treated as one joint only.		
10b	Jointing RCC pipes with lead and hemp yarn using steel collars and testing to the required pressure including the cost of jointing materials but including caulking the joints and conveyance of water for filling the pipes during testing		
	For depth upto 2m		
	150mm dia R.C.C. Pipes	Each steel collar	103.00
	200mm dia R.C.C. Pipes	Each steel collar	129.00
	250mm dia R.C.C. Pipes	Each steel collar	153.00
	300mm dia R.C.C. Pipes	Each steel collar	177.00
	350mm dia R.C.C. Pipes	Each steel collar	201.00
	400mm dia R.C.C. Pipes	Each steel collar	209.00
	450mm dia R.C.C. Pipes	Each steel collar	262.00
	500mm dia R.C.C. Pipes	Each steel collar	293.00
	600mm dia R.C.C. Pipes	Each steel collar	350.00
	700mm dia R.C.C. Pipes	Each steel collar	418.00
	800mm dia R.C.C. Pipes	Each steel collar	515.00

Schedule Item No.	Description	Unit	Rate in Rupees.
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
11a	Lowering AC / GRP pipes and specials into the trench carefully, laying to proper grade and alignment jointing of A.C./ GRP pipes with simplex joints with rubber rings or with C.I. detachable joints or with M.S. couplers and testing to the required pressure including conveyance of water for filling during testing.		
	For depth upto 2m		
	80mm dia A.C. / GRP Pipes	One metre	9.00
	100mm dia A.C./ GRP Pipes	One metre	12.00
	125mm dia A.C./ GRP Pipes	One metre	18.00
	150mm dia A.C./ GRP Pipes	One metre	20.00
	200mm dia A.C./ GRP Pipes	One metre	27.00
	250mm dia A.C./ GRP Pipes	One metre	33.00
	300mm dia A.C./ GRP Pipes	One metre	42.00
	350mm dia A.C./ GRP Pipes	One metre	47.00
	400mm dia A.C./ GRP Pipes	One metre	54.00
	450mm dia A.C./ GRP Pipes	One metre	63.00
	500mm dia A.C./ GRP Pipes	One metre	75.00
	600mm dia A.C./ GRP Pipes	One metre	90.00
	700mm dia A.C./ GRP Pipes	One metre	111.00
	NOTE: For depth between	% excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
11b	Lowering PVC rigid / HDPE pipes and specials to trench and laying to proper grade and alignment jointing with PVC couplers with cement paste and testing to the required pressure including conveyance of water for filling during testing.		
	For depth upto 2m		
	Upto 40mm dia (OD) PVC / HDPE pipe	One metre	3.60
	50mm to 75mm dia (OD) PVC / HDPE pipe	One metre	6.00
	90mm to 110mm dia (OD) PVC / HDPE pipe	One metre	6.00
	125mm to 160mm dia (OD) PVC / HDPE pipe	One metre	8.40
	180mm to 250mm dia (OD) PVC / HDPE pipe	One metre	10.80
	Over 250mm to 315mm dia (OD) PVC / HDPE pipe	One metre	15.70

Schedule Item No.	Description	Unit	Rate in Rupees.
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
11c	Lowering PSC/ BWSC pipes and specials into the trench and laying to proper grade and alignment and Jointing with rubber gaskets and testing to the required pressure including the cost of conveyance of water for filling during testing.		
	For depth upto 2m		
	Upto 350mm diameter	One metre	47.00
	400mm diameter	One metre	55.00
	450mm diameter	One metre	64.00
	500mm diameter	One metre	75.00
	600mm diameter	One metre	91.00
	700mm diameter	One metre	102.00
	800mm diameter	One metre	111.00
	900mm diameter	One metre	121.00
	1000mm diameter	One metre	132.00
	1100mm diameter	One metre	142.00
	1200mm diameter	One metre	164.00
	1300mm diameter	One metre	182.00
	1400mm diameter	One metre	209.00
	1500mm diameter	One metre	232.00
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
11d	Lowering CI collars with flange into the trench and laying to proper grade and alignment and jointing PSC pipes with 2 Nos of conical rubber rings and MS bolts and nuts testing to the required pressure including the cost of conveyance of water for filling during testing but excluding the cost of jointing materials		
	For depth upto 2m		
	Upto 350mm diameter	Each collar	499.00
	400mm diameter	Each collar	584.00
	450mm diameter	Each collar	669.00
	500mm diameter	Each collar	753.00

Schedule Item No.	Description	Unit	Rate in Rupees.
	600mm diameter	Each collar	918.00
	700mm diameter	Each collar	1168.00
	800mm diameter	Each collar	1255.00
	900mm diameter	Each collar	1422.00
	1000mm diameter	Each collar	1670.00
	1100mm diameter	Each collar	1839.00
	1200mm diameter	Each collar	2090.00
	1300mm diameter	Each collar	2344.00
	NOTE: For depth between	% excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
12a	Cutting C.I. Pipes true to axis and filing smoothly and finishing the ends complete		
	80mm dia CI pipes	Each cutting	18.00
	100mm dia CI pipes	Each cutting	20.00
	125mm dia CI pipes	Each cutting	25.00
	150mm dia CI pipes	Each cutting	28.00
	175mm dia CI pipes	Each cutting	33.00
	200mm dia CI pipes	Each cutting	45.00
	250mm dia CI pipes	Each cutting	57.00
	300mm dia CI pipes	Each cutting	64.00
	350mm dia CI pipes	Each cutting	81.00
	375mm dia CI pipes	Each cutting	100.00
	400mm dia CI pipes	Each cutting	105.00
	450mm dia CI pipes	Each cutting	113.00
	500mm dia CI pipes	Each cutting	125.00
	525mm dia CI pipes	Each cutting	151.00
	600mm dia CI pipes	Each cutting	154.00
	675mm dia CI pipes	Each cutting	184.00
	700mm dia CI pipes	Each cutting	194.00
	750mm dia CI pipes	Each cutting	200.00
	800mm dia CI pipes	Each cutting	210.00
	825mm dia CI pipes	Each cutting	229.00
	850mm dia CI pipes	Each cutting	240.00
	900mm dia CI pipes	Each cutting	246.00
12b	Cutting A.C. Pipes true to axis and finishing the ends complete		
	80mm dia AC pipes	Each cutting	7.00
	100mm dia AC pipes	Each cutting	8.00
	125mm dia AC pipes	Each cutting	9.00

Sche-dule Item No.	Description	Unit	Rate in Rupees.
	150mm dia AC pipes	Each cutting	11.00
	200mm dia AC pipes	Each cutting	15.00
	250mm dia AC pipes	Each cutting	24.00
	300mm dia AC pipes	Each cutting	25.00
	350mm dia AC pipes	Each cutting	30.00
	400mm dia AC pipes	Each cutting	37.00
	450mm dia AC pipes	Each cutting	42.00
	500mm dia AC pipes	Each cutting	48.00
	600mm dia AC pipes	Each cutting	55.00
	700mm dia AC pipes	Each cutting	61.00
12c	Cutting P.V.C. rigid pipes and specials true to axis and finishing the ends complete		
	Upto 75mm dia (OD) PVC pipe	Each cutting	2.40
	90mm dia PVC pipes	Each cutting	3.60
	110mm dia PVC pipes	Each cutting	3.60
	125mm dia PVC pipes	Each cutting	3.60
	140mm dia PVC pipes	Each cutting	3.60
	160mm dia PVC pipes	Each cutting	6.00
	180mm dia PVC pipes	Each cutting	7.20
	200mm dia PVC pipes	Each cutting	7.20
	250mm dia PVC pipes	Each cutting	8.40
	315mm dia PVC pipes	Each cutting	9.60
12d.	Cutting and threading of GI pipes		
a.i	15mm dia GI pipe, Cutting	Each	3.00
ii.	15mm dia GI pipe, Threading	Each	4.20
b.i	20mm dia GI pipe, Cutting	Each	3.00
ii.	20mm dia GI pipe, Threading	Each	4.40
c.i	25mm dia GI pipe, Cutting	Each	3.70
ii.	25mm dia GI pipe, Threading	Each	8.80
d.i	32mm dia GI pipe, Cutting	Each	4.40
ii	32mm dia GI pipe, Threading	Each	11.85
e.i	40mm dia GI pipe, Cutting	Each	5.80
ii	40mm dia GI pipe, Threading	Each	13.30
f.i	50mm dia GI pipe, Cutting	Each	7.40
ii.	50mm dia GI pipe, Threading	Each	14.85
g.i	65mm dia GI pipe, Cutting	Each	8.00
ii	65mm dia GI pipe, Threading	Each	17.80
h.i	80mm dia GI pipe, Cutting	Each	10.40
ii.	80mm dia GI pipe, Threading	Each	22.35
i.i	100mm dia GI pipe, Cutting	Each	14.85
ii.	100mm dia GI pipe, Threading	Each	29.80
j.i.	125mm dia GI pipe, Cutting	Each	15.95
j.ii.	125mm dia GI pipe, Threading	Each	31.90

Schedule Item No.	Description	Unit	Rate in Rupees.
13	Cutting R.C.C. Pipes true to axis and finishing the ends complete		
	150mm dia R.C.C. Pipes	Each cutting	25.00
	200mm dia R.C.C. Pipes	Each cutting	28.00
	250mm dia R.C.C. Pipes	Each cutting	36.00
	300mm dia R.C.C. Pipes	Each cutting	47.00
	350mm dia R.C.C. Pipes	Each cutting	49.00
	400mm dia R.C.C. Pipes	Each cutting	63.00
	450mm dia R.C.C. Pipes	Each cutting	69.00
	500mm dia R.C.C. Pipes	Each cutting	77.00
	600mm dia R.C.C. Pipes	Each cutting	86.00
	650mm dia R.C.C. Pipes	Each cutting	90.00
	700mm dia R.C.C. Pipes	Each cutting	99.00
	750mm dia R.C.C. Pipes	Each cutting	102.00
	800mm dia R.C.C. Pipes	Each cutting	112.00
	900mm dia R.C.C. Pipes	Each cutting	119.00
	1000mm dia R.C.C. Pipes	Each cutting	128.00
	1100mm dia R.C.C. Pipes	Each cutting	137.00
	1200mm dia R.C.C. Pipes	Each cutting	147.00
	1300mm dia R.C.C. Pipes	Each cutting	153.00
14a	Removing the burst C.I. pipes from the pipe line and removal of slushy soil and baling out water and replacing the pipeline with sound pipe including jointing and cost of refilling the pipeline with water for retesting the pipe line etc complete. (excluding cost of sound pipe and jointing materials and earth work) and as directed by the TWAD Board officers.		
	For depth upto 2m		
	80mm dia C.I. Pipes	Each	463.00
	100mm dia C.I. Pipes	Each	581.00
	125mm dia C.I. Pipes	Each	759.00
	150mm dia C.I. Pipes	Each	957.00
	200mm dia C.I. Pipes	Each	1335.00
	250mm dia C.I. Pipes	Each	1835.00
	300mm dia C.I. Pipes	Each	2335.00
	350mm dia C.I. Pipes	Each	2644.00
	400mm dia C.I. Pipes	Each	3378.00
	450mm dia C.I. Pipes	Each	3680.00
	500mm dia C.I. Pipes	Each	4129.00
	600mm dia C.I. Pipes	Each	5052.00
	700mm dia C.I. Pipes	Each	5515.00
	750mm dia C.I. Pipes	Each	6329.00
	800mm dia C.I. Pipes	Each	7148.00

Schedule Item No.	Description	Unit	Rate in Rupees.
	825mm dia C.I. Pipes	Each	8477.00
	900mm dia C.I. Pipes	Each	10342.00
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
14b	Removing the burst A.C. Pipes from the pipe line and removal of slushy soil and baling out water and replacing the pipe line with sound pipe including jointing and cost of refilling the pipe line with water for retesting the pipe line etc complete (excluding cost of sound pipe and jointing materials and earth work) and as directed by the TWAD Board officers		
	For depth upto 2m		
	80mm dia AC. Pipes	Each	268.00
	100mm dia AC. Pipes	Each	317.00
	125mm dia AC. Pipes	Each	399.00
	150mm dia AC. Pipes	Each	511.00
	200mm dia AC. Pipes	Each	717.00
	250mm dia AC. Pipes	Each	917.00
	300mm dia AC. Pipes	Each	1142.00
	350mm dia AC. Pipes	Each	1254.00
	375mm dia AC. Pipes	Each	1411.00
	400mm dia AC. Pipes	Each	1494.00
	450mm dia AC. Pipes	Each	1526.00
	500mm dia AC. Pipes	Each	1676.00
	600mm dia AC. Pipes	Each	1951.00
	700mm dia AC. Pipes	Each	2403.00
	NOTE: For depth between	% excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
14c	Removing the burst P.V.C. Pipes from the pipe line and removal of slushy soil and baling out water and replacing the pipe line with sound pipe including jointing and cost of refilling the pipe line with water for retesting the pipe line etc complete (excluding cost of sound pipe and jointing materials and earth work) and as directed by the TWAD Board officers		
	Upto 63mm dia (OD) PVC Pipes	Each	137.00
	75mm dia (OD) PVC Pipes	Each	172.00

Schedule Item No.	Description	Unit	Rate in Rupees.
	90mm dia (OD) PVC Pipes	Each	229.00
	110mm dia (OD) PVC Pipes	Each	278.00
	125mm dia (OD) PVC Pipes	Each	330.00
	140mm dia to 160mm dia (OD) PVC Pipes	Each	407.00
	180mm dia to 200mm dia (OD) PVC Pipes	Each	623.70
	250mm dia to 280mm dia (OD) PVC Pipes	Each	760.00
	315mm dia (OD) PVC Pipes	Each	847.00
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
14d	Removing the burst R.C.C. pipes from the pipe line and removal of slushy soil and baling out water and replacing the pipe line with sound pipe including jointing and cost of refilling the pipe line with water for retesting the pipe line etc complete. (excluding cost of sound pipe and jointing materials and earth work) and as directed by the TWAD Board officers		
	For depth upto 2m		
	150mm dia RCC Pipes	Each	744.00
	200mm dia RCC Pipes	Each	1046.00
	250mm dia RCC Pipes	Each	1300.00
	300mm dia RCC Pipes	Each	1544.00
	350mm dia RCC Pipes	Each	1828.00
	375mm dia RCC Pipes	Each	2172.00
	400mm dia RCC Pipes	Each	2339.00
	450mm dia RCC Pipes	Each	2615.00
	500mm dia RCC Pipes	Each	2910.00
	525mm dia RCC Pipes	Each	3312.00
	600mm dia RCC Pipes	Each	3402.00
	650mm dia RCC Pipes	Each	3796.00
	700mm dia RCC Pipes	Each	3872.00
	800mm dia RCC Pipes	Each	4273.00
	900mm dia RCC Pipes	Each	4720.00
	1000mm dia RCC Pipes	Each	5160.00
	1100mm dia RCC Pipes	Each	5622.00
	1200mm dia RCC Pipes	Each	6068.00
	1300mm dia RCC Pipes	Each	6366.00
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	15%	

Sche-dule Item No.	Description	Unit	Rate in Rupees.
	4m to 6m	30%	
	For sewerline works (Except pumping main) 5% extra over the above rate may be adopted.		
14e	Charges for fixing MS Stepped split up collar in position in the spigot and socket ends of the PSC pipe carefully and caulking the sides of the collar using hemp yarn cement and hard crete and pouring the cement slurry mixed with use of hard crete in the stepped collar including cost of materials etc. complete but excluding cost of stepped collar as directed by the TWAD Board officers		
	a. Upto 1500mm dia PSC pipes	Each	4895.00
	b. Upto 1000mm dia PSC pipes	Each	3913.00
	c. Upto 800mm dia PSC pipes	Each	2282.00
	d. Upto 700mm dia PSC pipes	Each	2253.00
	e. Upto 600mm dia PSC pipes	Each	2226.00
	f. Upto 500mm dia PSC pipes	Each	2157.00
Note:	For lighting arrangements during night works due to emergency actual expenditure incurred based on need for lighting may be given extra as certified by the Executive Engineer incharge of work at site		
14f	Charges for lowering, positioning and fixing MS steps collars in AC pipe line carefully and caulking the sides of collar using hemp yarn, cement and hard crete into the stepped collar including cost of jointing materials such as cement, yarn, bolt and nuts, MS washers, RI sheet and hard crete etc. but excluding cost of step collar and as directed by TWAD Officers		
	a. For 500mm dia AC pipe	Each	1631.00
	b. For 600mm dia AC pipe	Each	1793.00
	c. For 700mm dia AC pipe	Each	2039.00
i)	For removing the burst pipe in the maintenance works when burst occurs and replacing it with sound pipes including the cost of refilling the trench and the removal of slushy soil etc., Complete (Pipes and special jointing materials will be supplied with in 200m lead and at the respective TWAD Board divisional stores free of cost).2 times ordinary rate allowed for the works are during day time since the works are done in confined reaches.		
ii)	If the works are done in odd hours (i.e) 8.00 P.M. to 8.00 A.M. of the next day, 3 times of ordinary rate is allowed since the works are done in the confined reaches.		

Sche-dule Item No.	Description	Unit	Rate in Rupees.
	Slow Sand / Rapid Sand Filter Works		
15 a.i)	Labour for filling with broken stone of all sizes well washed and cleaned, to be free from impurities, including stacking and laying in bed	One cubic metre	53.00
ii)	Labour for filling the coarse sand passing through a sieve of 10 meshes to 2.5 cm and retained in 20 meshes to 2.5 cm well washed and cleaned to be free from impurities including stacking	One cubic metre	100.00
iii)	Labour for filling with fine sand passing through a sieve of ten meshes to 2.5cm and retained in a sieve of 40 meshes to 2.5 cm well washed and cleaned to be free from impurities including stacking	One cubic metre	8.80
15 b	Labour for scraping and removing silt only from the surface and sides of the filter basin carrying the same to a distance not exceeding 200 metres	One cubic metre	9.90
15c	Labour for removing dirty sand in layer of 25 mm uniform thickness from the slow sand filter, conveying, dropping the sand in a hopper with a lift of not exceeding 3 metres within a distance of 30 metres and delivering the washed sand in filter bed including removal and carrying the dirt from collecting chamber to a distance of upto 200 metres	One square metre	12.00
	DRAINAGE WORKS		
16	Laying and jointing with cement mortar stoneware pipes and specials in dry condition and testing with water		
	100mm diameter stoneware pipes	One metre	
	150mm diameter stoneware pipes	One metre	
	200mm diameter stoneware pipes	One metre	
	225mm diameter stoneware pipes	One metre	
	250mm diameter stoneware pipes	One metre	
	300mm diameter stoneware pipes	One metre	
	375mm diameter stoneware pipes	One metre	
	450mm diameter stoneware pipes	One metre	
	NOTE : The rates to be worked out vide standard data appended as Item 17		

RATES FOR CONVEYANCE OF MATERIALS

STANDARD DATA (RATES FOR ITEM No.16 ITEM No.17) LAYING AND JOINTING STONE WARE PIPES FOR ONE RUNNING METRE

Diameter (in mm)	Length of each pipe in cm	Weight of S.W pipes for 30m	Quantity of cement in Kg for 50 joints	Cost of cement required for 50 joints (Rs.)	Quantity of sand in cubic meters for 50 mortar joints	Cost of sand required for 50 mortar joints at Rs. Per cum	Quantity of spun of tarred yarn in Kg	Cost of yarn at Rs. / Kg	Total cost of materials (Total of columns 5,7,& 9)	Labour for Laying and jointing				Cost of Labour for a length of 30m of SW pipes (Total No. of column 11,12,13 & 14) (Rs. P.)	Total cost of material and cost of Labour for 30 mts. (Total No. of Column 10 & 15) (Rs. P)	Conveyance of pipes from Divisional Stores to site of work	Testing charges including conveyance of water tools and plants etc. (Rs. P.)	Total cost of laying and jointing SW pipes with CM and packing with spun or tarred yarn etc. complete for 30m length (Rs. P)	Total cost of laying 4 joints stoneware pipes complete for 1 metre (Rs. P)
										Mason I Class	Fitter II Class	Mazdoor Category I	Mazdoor Category II						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
100mm	60	-	45	-	0.04	-	3.63	-	-	2	1	5	2	-	-	-	143	-	-
150mm	60	-	68	-	0.07	-	5.45	-	-	3	2	6	3	-	-	-	194	-	-
200mm	60	-	98	-	0.08	-	6.9	-	-	4	2	6	3	-	-	-	196	-	-
225mm	60	-	104	-	0.1	-	8.17	-	-	5	3	7	5	-	-	-	226	-	-
250mm	60	-	115	-	0.11	-	8.35	-	-	5	3	7	5	-	-	-	234	-	-
300mm	60	-	150	-	0.15	-	11.34	-	-	6	3	12	6	-	-	-	298	-	-
375mm	60	-	318	-	0.28	-	18.14	-	-	7	3	14	7	-	-	-	334	-	-
450mm	60	-	454	-	0.34	-	27.22	-	-	8	3	16	8	-	-	-	411	-	-

Note :
1. For other diametre of pipes now manufactured the rates will be fixed in due course after observing data.
2. The rates arrived at adopting the data appended to this schedule of Rates is for works done in the first 2.00m depth extra percentage 5% for 2m to 3m, 10% for 3m to 4m, 20% for above 4m depth over basic rates are allowed.
3. The above data does not include baling charges, baling charges to be added as extra as per rates given in the relevant PWD Schedule of Rates or as per actuals.

CONVEYANCE

1) Rates for Conveyance of C.I/G.I/D.I. Pipes and Specials

Size	Unloading from Railway wagons or loading into Railway wagons/Tonne	Loading into carts or lorries/ Tonne	Unloading from carts or lorries & stacking/ Tonne	Transport charges up to 8km or part thereof/ Tonne	Total/ Tonne
1	2	3	4	5	6
	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
Up to 125 mm	145.00	95.00	95.00	103.00	438.00
Over 125 mm up to 200 mm	198.00	127.00	127.00	110.00	562.00
Over 200 mm up to 350 mm	243.00	168.00	168.00	112.00	691.00
Over 350 mm up to 500 mm	304.00	199.00	199.00	126.00	828.00
Over 500 mm up to 700 mm	367.00	230.00	230.00	139.00	966.00
Above 700mm	413.00	274.00	274.00	150.00	1111.00

For every 1 KM or part thereof	Rate per Tonne – Rs.	
	up to 500 mm (in Rs.)	Above 500 mm (in Rs.)
Beyond 8 KM to 25 KM	8.00	9.00
Above 25 KM to 50 KM	6.00	7.00
Above 50 KM to 80 KM	5.00	6.00
Above 80 KM to 125 KM	3.80	5.00
Above 125 KM to 200 KM	3.80	3.80
Above 200 KM	2.50	2.50

Note: 1) For lorry and cart consignments of capacity one tonne and below double the rates may be allowed, when the total quantity to be transported is within 1.00 M.T.

2) For Lorry consignments from 1 to 2 Tonnes the rates admissible for two tonnes may be allowed, when the total quantity to be transported is within 2 M.T.

3) For Lorry Consignments from 2 to 5 tonnes the rates admissible for 5 tonnes may be allowed, when the total quantity to be transported is within 5 M.T.

4) Above 5 tonnes of Lorry consignment, full lorry load rate of 9 tonnes may be allowed.

5) For the conveyance of E.R.W.M.S. seamless pipes and specials up to 350mm dia, the rates of C.I. Pipes of respective dia available in the Schedule of rates may be adopted.

6) An extra rate of Rs.18.00 per Tonne may be allowed for unloading from Railway wagons and stacking before loading into carts and lorries.

2) Rates for Conveyance of M.S. Pipes and Specials

Size	Unloading from Railway wagons or loading into Railway wagons/Tonne	Loading into carts or lorries/ Tonne	Unloading from carts or lorries & stacking/ Tonne	Transport charges up to 8km or part thereof/ Tonne	Total/ Tonne
1	2	3	4	5	6
	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
Up to 350 mm	546.00	378.00	378.00	256.00	1558.00
Over 350 mm up to 500 mm	686.00	448.00	448.00	284.00	1866.00
Over 500 mm up to 700 mm	828.00	514.00	514.00	314.00	2170.00
Above 700mm	930.00	620.00	620.00	340.00	2510.00

For every 1 KM or part thereof	Rate per Tonne – Rs.	
	up to 500 mm (in Rs.)	Above 500 mm (in Rs.)
Beyond 8 KM to 25 KM	18.00	20.00
Above 25 KM to 50 KM	13.30	16.00
Above 50 KM to 80 KM	11.00	13.80
Above 80 KM to 125 KM	8.70	11.10
Above 125 KM to 200 KM	8.70	8.70
Above 200 KM	6.20	6.20

Note: 1) For lorry and cart consignments of capacity one tonne and below double the rates may be allowed, when the total quantity to be transported is within 1.00 M.T.

2) For Lorry consignments from 1 to 2 Tonnes the rates admissible for two tonnes may be allowed, when the total quantity to be transported is within 2 M.T.

3) For Lorry Consignments from 2 to 5 tonnes the rates admissible for 5 tonnes may be allowed, when the total quantity to be transported is within 5 M.T.

4) Above 5 tonnes of Lorry consignment, full lorry load rate of 9 tonnes may be allowed.

5) An extra rate of Rs.18.00 per Tonne may be allowed for unloading from Railway wagons and stacking before loading into carts and lorries.

3) Rates for Conveyance of R.C.C. /P.S.C/B.W.S.C. Pipes and Specials

Size	Unloading from Railway wagons or loading into Railway wagons/ Tonne	Loading into carts or lorries/ Tonne	Unloading from carts or lorries & stacking/ Tonne	Transport charges up to 8km or part thereof/ Tonne	Total/ Tonne
1	2	3	4	5	6
	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
150 mm to 200 mm	112.00	86.00	86.00	118.00	402.00
Over 200 mm up to 350 mm	139.00	110.00	110.00	124.00	483.00
Over 350 mm up to 500 mm	174.00	136.00	136.00	129.00	575.00
Over 500 mm up to 700 mm	217.00	160.00	160.00	146.00	683.00
Above 700mm	236.00	178.00	178.00	158.00	750.00

For every 1 KM or part thereof	Rate per Tonne – Rs.	
	up to 500 mm (in Rs.)	Above 500 mm (in Rs.)
Beyond 8 KM to 25 KM	6.90	9.20
Above 25 KM to 50 KM	4.80	7.20
Above 50 KM to 80 KM	3.85	6.25
Above 80 KM to 125 KM	3.85	5.00
Above 125 KM to 200 KM	3.85	3.85
Above 200 KM	2.55	2.55

Note: 1) For lorry and cart consignments of capacity 1 tonne and below, double the rates may be allowed, when the total quantity to be transported is within 1 M.T.

2) For Lorry consignments up to 5 MT (i.e.) above 1 MT Load, the rates admissible for 5 tonnes may be allowed.

4) Rates for Conveyance of A.C. Pipes and Specials

Size	Unloading from Railway wagons or loading into Railway wagons/Tonne	Loading into carts or lorries/ Tonne	Unloading from carts or lorries & stacking/ Tonne	Transport charges up to 8km or part thereof/ Tonne	Total/ Tonne
1	2	3	4	5	6
	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
Up to 125 mm	74.00	66.00	66.00	180.00	386.00
Over 125 mm up to 200 mm	101.00	70.00	70.00	189.00	430.00
Over 200 mm up to 250 mm	115.00	86.00	86.00	215.00	502.00
For 300 mm	124.00	90.00	90.00	221.00	525.00
For 350 mm	124.00	100.00	100.00	224.00	548.00
For 400 mm	129.00	111.00	111.00	239.00	590.00
For 450 mm	143.00	124.00	124.00	253.00	644.00
For 500 mm	152.00	137.00	137.00	261.00	687.00
For 600 mm	167.00	157.00	157.00	280.00	761.00
For 700 mm	174.00	161.00	161.00	281.00	777.00

For every 1 KM or part thereof	Rate per Tonne – Rs.	
	up to 500 mm (in Rs.)	Above 500 mm (in Rs.)
Beyond 8 KM to 25 KM	13.80	16.10
Above 25 KM to 50 KM	8.40	9.60
Above 50 KM to 80 KM	7.50	8.75
Above 80 KM to 125 KM	6.25	7.50
Above 125 KM to 200 KM	5.00	6.25
Above 200 KM	3.85	5.00

Note: 1) For lorry and cart consignments of capacity one tonne and below double the rates may be allowed, when the total quantity to be transported is within 1 M.T.
2) For Lorry consignments from 1 to 2 Tonnes the rates admissible for two tonnes may be allowed, when the total quantity to be transported is within 2 M.T.
3) For Lorry Consignments from 2 to 5 tonnes the rates admissible for 5 tonnes may be allowed, when the total quantity to be transported is within 5 M.T.
4) Above 5 tonnes of Lorry consignment, full lorry load rate of 9 tonnes may be allowed.
5) For the conveyance of E.R.W.M.S. seamless pipes and specials up to 350mm dia, the rates of C.I. Pipes of respective dia available in the Schedule of rates may be adopted.
6) An extra rate of Rs.18.00/Tonne may be allowed for unloading from Railway wagons and stacking before loading into carts and lorries.

5) Rates for Conveyance of P.V.C/ H.D.P.E /G.R.P Pipes and Specials

Size	Unloading from Railway wagons or loading into Railway wagons/ Tonne	Loading into carts or lorries/ Tonne	Unloading from carts or lorries & stacking/ Tonne	Transport charges up to 8km or part thereof/ Tonne	Total/ Tonne
1	2	3	4	5	6
	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
50mm to 110mm OD	96.00	84.00	84.00	300.00	564.00
125mm to200mm OD	124.00	85.00	85.00	302.00	596.00
Over 200mm to 315mm OD	126.00	112.00	112.00	325.00	675.00
Over 315mm OD	128.00	115.00	115.00	353.00	711.00

For every 1 KM or part thereof	Rate per Tonne – Rs.
Beyond 8 KM to 25 KM	25.95
Above 25 KM to 50 KM	17.85
Above 50 KM to 80 KM	15.00
Above 80 KM to 125 KM	11.25
Above 125 KM to 200 KM	8.75
Above 200 KM	6.25

Note: 1) For departmentally loading of PVC pipes and Specials (excluding transport charges) Up to 110 mm dia — Rs.1.80 each length (6 m)

2) For departmentally unloading of PVC pipes and Specials Up to 110 mm dia — Rs.1.80 each length (6 m)

3) a. For departmentally loading for remaining sizes of pipes — Rs.96.00 per 1 MT

   b. For departmentally unloading for remaining sizes of pipes — Rs.96.00 per 1 MT

4) An extra rate of Rs.19.00/Tonne may be allowed for unloading from Railway wagons and stacking before loading into carts and lorries.

5) For lorry and cart consignments of capacity one tonne and below double the rates may be allowed, when the total quantity to be transported is within 1 M.T.

6) For Lorry consignments from 1 to 2 Tonnes the rates admissible for two tonnes may be allowed, when the total quantity to be transported is within 2 M.T.

7) For Lorry Consignments from 2 to 5 tonnes the rates admissible for 5 tonnes may be allowed, when the total quantity to be transported is within 5 M.T.

6) Rates for Conveyance of S.W. Pipes and Specials

Size	Unloading from Railway wagons or loading into Railway wagons/ Tonne	Loading into carts or lorries/ Tonne	Unloading from carts or lorries & stacking/ Tonne	Transport charges up to 8km or part thereof/ Tonne	Total/ Tonne
1	2	3	4	5	6
	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
100 to 200 mm	139.00	91.00	91.00	164.00	485.00
Over 200 to 350 mm	176.00	117.00	117.00	177.00	587.00
Over 350 mm to 500 mm	221.00	141.00	141.00	192.00	695.00

For every 1 KM or part thereof	Rate per Tonne – Rs.
Beyond 8 KM to 25 KM	11.50
Above 25 KM to 50 KM	7.20
Above 50 KM to 80 KM	7.50
Above 80 KM to 125 KM	5.00
Above 125 KM to 200 KM	3.85
Above 200 KM	2.55

Note: 1) For lorry and cart consignments of capacity one tonne and below double the rates may be allowed, when the total quantity to be transported is within 1 M.T.

2) An extra rate of Rs.19.00/Tonne may be allowed for unloading from Railway wagons and stacking before loading into carts and lorries.

7) Rates for Conveyance of Pig lead and Yarn

Size	Unloading from Railway wagons or loading into Railway wagons/ Tonne	Loading into carts or lorries/ Tonne	Unloading from carts or lorries & stacking/ Tonne	Transport charges up to 8km or part thereof/ Tonne	Total/ Tonne
1	2	3	4	5	6
	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
Pig lead/Yarn	48.00	41.00	41.00	60.00	190.00

For every 1 KM or part thereof	Rate per Tonne –Rs.
Beyond 8 KM to 25 KM	6.90
Above 25 KM to 50 KM	6.00
Above 50 KM to 80 KM	5.00
Above 80 KM to 125 KM	3.85
Above 125 KM to 200 KM	3.85
Above 200 KM	2.55

8 a) Rates for Conveyance of Materials by Road in Hills (Common for Entire state)

S.No	Distance in Kilometre	Cement and Steel (One metric tonne)	Limestone, Latrite,Brick jelly, wood work,Pond ash (wet /dry),stone dust (One Cubic Metre)	Rough Stone, Band 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	**Add for every extra 1KM and part there of**						
a	0 to 10 kms	8.00	8.80	12.80	10.80	14.40	18.00
b	10 to 20 kms	6.90	7.60	11.00	9.30	12.40	15.50
c	20 to 40 kms	6.10	6.70	9.70	8.20	10.90	13.70
d	40 to 80 kms	5.10	5.60	8.10	6.80	9.10	11.40
e	Above 80kms	4.60	5.00	7.30	6.20	8.20	10.30
	Note						
1	The above rates do not include stacking charges [as per Circular Memo No.230Wks.IV(2)/62-3 dated 16.6.1962 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 Slushy soil tracks, add 50% extra over the above rates excluding loading and unloading charges						
4	The quantity for Payment towards conveyance of earth in coloumn (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 materails which finds place in coloumn 3,4,5,6,7 & 8 above, necessary incidental charges, loading charges and unloading charges have been included already under their 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.						

8 b) Rates for Conveyance of Materials by Road in plains (Common for Entire state)

S.No	Distance in Kilometre	Cement and Steel (One metric tonne)	Limestone, Laterite,Brickjelly, 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 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 1KM and part there of						
a	0 to 10 kms	4.00	4.40	6.40	5.40	7.20	9.00
b	10 to 20 kms	3.45	3.80	5.50	4.65	6.20	7.75
c	20 to 40 kms	3.05	3.35	4.85	4.10	5.45	6.85
d	40 to 80 kms	2.55	2.80	4.05	3.40	4.55	5.70
e	Above 80kms	2.30	2.50	3.65	3.10	4.10	5.15
3	Loading Charges	53.20	25.40	17.40	25.00	25.00	25.00
4	Unloading Charges	53.20	25.40	17.40	25.00	25.00	25.00
5	Add above extra for inter state works	10.60	11.65	16.90	14.35	19.05	23.75

Note:

1	The above rates do not include stacking charges [as per Circular Memo No.230Wks.IV(2)/62-3 dated 16.6.1962 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 Slushy soil tracks, add 50% extra over the above rates excluding loading and unloading charges
4	The quantity for Payment towards conveyance of earth in coloumn (5) is for the pit measured quantity at the site of excavation only.
5	For conveyance of Lateriatye, Broken stone jelly, etc. through lorries, the rates provided are for the volume with voids.
6	For all materails which finds place in coloumn 3,4,5,6,7 & 8 above, necessary incidental charges, loading charges and unloading charges have been included already under their 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.

9) Rates for Conveyance of materials by Head load

S.No	Description of material	Unit	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 2 m lift
1	2	3	4	5	6
1	Rough Stone, Broken Stone,Cut Stone, RCC Slab, Sand - Cement Block, Wooden Scantling, Wooden plank	cu.m	39.90	16.60	4.40
2	Lime, Lime Stone, Broken laterite, Brick Jelly, Coke, Earth, Sand Gravel, Surki, Pond Ash (wet and dry) Crushed Stone Sand, Stone Dust	cu.m	21.25	16.60	3.30
3	a) Mangalore Tiles	1000 Nos.	43.20	21.75	5.50
	b) Machine Pressed tile	2000 Nos.	43.20	21.75	5.50
	c) Hydraulic pressed mosaic tiles	1500 Nos.	43.20	21.75	5.50
	d) Terrace Bricks, Flat Tiles and Pan Tiles	2500 Nos.	43.20	21.75	5.50
	e) Bricks	1000 Nos.	43.20	21.75	5.50
4	Cement, A.C. Sheet, Bitumen, Asphalt, Tar and pitch	M.T	39.90	21.75	4.40
5	Steel	M.T	66.50	26.60	5.50

Note:

1 Fraction of 100 metres to be rounded off to the nearest 100 metres

2 The rate indicated in the table shall be applicable only to inaccessible places (i.e) the places Wherever the Bullock- Carts cannot move (CE(General)Memo No.CTO(A)/38153/89/ dated 03.02.1989).

3 For an initial lead of 10m and initial lift of 2m, no charge towards head load is allowable.

RATES FOR MISCELLANEOUS ITEMS

MISCELLANEOUS

Schedule Item No.	Description	Unit	Rate in Rupees
	PLUMBING		
1. a	Laying of G.I. Pipes and specials to proper line and level including jointing but excluding cost of pipes and jointing materials for plumbing works for providing water supply and sanitary works in the premises of the building		
	6 mm to 32 mm dia	One metre	7.25
	40 mm to 50 mm dia	One metre	7.25
	65 mm to 150 mm dia	One metre	9.65
b	Bore cap using M.S. Flat of size 1 cm x 3 mm and M.S. sheet on top with bolting arrangements for securing the cap in position (Bore caps with M.S. Couplings need not be made)		
	5" Casing Pipes	Each	220.00
	6" Casing Pipes	Each	233.20
	8 " Casing Pipes	Each	256.30
2	Labour for cutting open road for laying water mains or sewer.		
a.	B.T. Roads (or) Maccadam road	One cubic metre	293.70
b.	Concrete Roads	One cubic metre	411.40
3	Labour for drilling, cutting, Threading and Fixing Ferrules in distribution pipes.		
	10 mm dia	Each	30.80
	15 mm dia	Each	38.50
	20mm dia	Each	48.40
	25 mm dia	Each	57.20
4	Painting TWAD Board Emblem in accordance with the size and specifications as approved by the Board on the service reservoirs including cost of all consumables.	Sqm	992.20
5	Drilling holes in C.I/G.I. Dummy Flanges.		
	12 mm dia	Each	10.85
	15 mm dia	Each	21.75
	20 mm dia	Each	31.45
	22 mm dia	Each	42.35

Schedule Item No.	Description	Unit	Rate in Rupees
	25 mm dia	Each	53.20
6	Labour for refilling with sand the socket hollows of pipes including conveyance and stacking	One cubic metre	10.85
	NOTE : 1) For depth between	Percentage escess allowed over basic rate	
	2 m to 4 m	15%	
	4 m to 6 m	30%	
7	Lifting and positioning of C.I / G.I Pipes in vertical direction for service reservoir pipe connection		
	0 to 2 m	Qtl	91.30
	2 to 4 m	Qtl	137.50
	4 to 6 m	Qtl	215.60
	6 m to 8 m	Qtl	298.10
	8 m to 10 m	Qtl	380.60
	10 m to 12 m	Qtl	462.00
	12 m to 14 m	Qtl	546.70
	14 m to 16 m	Qtl	622.60
	16 m to 18 m	Qtl	705.10
	18 m to 20 m	Qtl	787.60
	20 m to 22 m	Qtl	867.90
	22 m to 24 m	Qtl	949.30
	DRILLING WORKS		
	Using Hand Bore set		
8.a	Drilling of borewells of size 4" to 5" dia in Sedimentary formation using hand boresets including insertion of casing pipes and removal of casing pipes etc., including supplying and packing of pebbles and conveyance of hand Boreset including loading and unloading	One metre	344.30
b	Drilling of borewells of size 6" to 8" dia in sedimentary formation using hand boreset including insertion of casing pipe etc., and supplying and packing of pebbles (Conveyance of hand bore set including loading and unloading to be done by the contractor	One metre	404.80

Schedule Item No.	Description	Unit	Rate in Rupees
c	**Using Hand Bore set (For Investigation purpose)**		
I	Drilling of borewells of size 4" to 5" dia in sedimentary formation using hand boresets including insertion of casing pipes and removal of casing pipes etc., including collection of samples as directed by the TWAD Board Officers.	One metre	256.30
ii	Drilling of borewells of size 6" to 8" dia in sedimentary formation using hand boresets including insertion of casing pipes and removal of casing pipes etc., including collection of samples as directed by the TWAD Board Officers.	One metre	300.30
	Using calyx Drill		
d	Drilling of 4 1/2" diameter borewell by using calyx Drill including transporting charges and insertion of casing pipes (excluding cost of casing pipe)		
i.	For Hilly terrain area	One metre	1288.10
ii.	For Plain area	One metre	1064.80
e	Drilling 4 1/2" dia meter bores by using in-well rigs in hilly areas Rocky	One metre	542.30
f	Reaming from 6" Pilot bore to 12" size bore as directed by the TWAD Board Officers	One metre	141.90
g	Labour charges for inserting casing pipes assembly (With slot or without slot) in the drilled hole including welding the joint etc., complete and supplying and packing the annular space with pebbles of size and quality as approved by the Executive Engineer	One metre	135.30
9. a	Driving sheet piles for one metre length of gallery each side in sandy soil		
i.	First depth of 2 m	One metre	267.30
ii	Second depth of 2 m	One metre	408.10
iii	Third depth of 2 m	One metre	766.70
b	Removing sheet piles from one metre length of gallery on each side including stacking the sheets piles properly		
i.	First depth of 2 m	One metre	41.80
ii	Second depth of 2m	One metre	63.80
iii	Third depth of 2 m	One metre	92.40
10	Drilling of borwell inside well 115mm dia		
	a) vertical	One metre	295.90
	b) horizontal	One metre	324.50

Schedule Item No.	Description	Unit	Rate in Rupees
11	Drilling of borewell inside well 150mm dia		
	a) vertical	One metre	370.70
	b) horizontal	One metre	391.60
12	Drilling of Borewells anywhere in Tamilnadu including transportation from one place to another with in Tamilnadu in alluvial soil sedimentary strata of clay and sand stone shale pebbles boulders etc. By first taking a pilot bore of 140 mm/150mm dia and then enlarging to required dia direct or reverse rotary mud circulation method using rotary rigs fuel, labour and drilling bentonite and water required for drilling at site(Site will be shown by the TWAD Board officers) including construction of mud pit.	P.S. to M.D.S.S. Special Specifications.	
a.	Drilling of 140/150 mm pilot bore		
i.	Upto 60 m Depth ending below ground level	One metre	619.30
ii	From 60 m Upto 90 m Depth ending from ground level	One metre	669.90
iii	From 90 m upto 120 m Depth ending from ground level	One metre	710.60
iv	From 120 m upto 150 m Depth ending from ground level	One metre	748.00
v	From 150 m upto 180 m Depth ending from ground level	One metre	760.10
vi	From 180 m upto 210 m Depth ending from ground level	One metre	784.30
vii	From 210 m upto 240 m Depth ending from ground level	One metre	807.40
viii	From 240 m upto 270 m Depth ending from ground level	One metre	834.90
ix	From 270 m upto 300 m Depth ending from ground level	One metre	853.60
x	From 300 m upto 330 m Depth ending from ground level	One metre	874.50
xi	From 330 m upto 360 m Depth ending from ground level	One metre	892.10

Schedule Item No.	Description	Unit	Rate in Rupees
12.b	Reaming 140/150 mm dia pilot bore to 300mm dia bore as directed by the TWAD Board Officer.		
i.	Upto 60 m depth ending below ground level	One metre	155.10
ii	From 60 m depth and upto 90 mt depth ending below ground level	One metre	165.00
iii	From 90 m upto 120 mt depth ending below ground level	One metre	176.00
iv	From 120 m upto 150 mt depth ending below ground level	One metre	178.20
v	From 150 m upto 180 mt depth ending below ground level	One metre	187.00
vi	From 180 m upto 210 mt depth ending below ground level	One metre	196.90
vii	From 210 m upto 240 mt depth ending below ground level	One metre	205.70
viii	From 240 m upto 270 mt depth ending below ground level	One metre	213.40
ix	From 270 m upto 300 mt depth ending below ground level	One metre	224.40
x	From 300 m upto 330 mt depth ending below ground level	One metre	233.20
xi	From 330 m upto 360 mt depth ending below ground level	One metre	242.00
12.c	Reaming 200 mm dia pilot bore to 350mm dia bore as directed by the TWAD Board Officer.		
i.	Upto 60 m depth ending below ground level	One metre	174.90
ii	From 60 m depth and upto 90 mt depth ending below ground level	One metre	184.80
iii	From 90 m upto 120 m depth ending below ground level	One metre	196.90
iv	From 120 m upto 150 m depth ending below ground level	One metre	202.40
v	From 150 m upto 180 m depth ending below ground level	One metre	209.00
vi	From 180 m upto 210 m depth ending below ground level	One metre	225.50
vii	From 210 m upto 240 m depth ending below ground level	One metre	257.40
viii	From 240 m upto 270 m depth ending below ground level	One metre	264.00
ix	From 270 m upto 300 m depth ending below ground level	One metre	270.60

Schedule Item No.	Description	Unit	Rate in Rupees
x	From 300 m upto 330 m depth ending below ground level	One metre	279.40
xi	From 330 m upto 360 m depth ending below ground level	One metre	286.00
12.d	Reaming 300 mm dia pilot bore to 400mm/ 450mm dia bore as directed by the TWAD Board Officer.		
i.	Upto 60 m depth ending below ground level	One metre	239.80
ii	From 60 m depth and upto 90 m depth ending below ground level	One metre	268.40
iii	From 90 m upto 120 m depth ending below ground level	One metre	286.00
iv	From 120 m upto 150 m depth ending below ground level	One metre	303.60
v	From 150 m upto 180 m depth ending below ground level	One metre	315.70
vi	From 180 m upto 210 m depth ending below ground level	One metre	324.50
vii	From 210 m upto 240 m depth ending below ground level	One metre	332.20
viii	From 240 m upto 270 m depth ending below ground level	One metre	347.60
ix	From 270 m upto 300 m depth ending below ground level	One metre	360.80
x	From 300 m upto 330 m depth ending below ground level	One metre	378.40
xi	From 330 m upto 360 m depth ending below ground level	One metre	391.60
12.e	Labour Charges for inserting 150 mm/200mm/250 mm dia (M.S. Casing pipes assembly with slots or with out slots) in the drilled hole including welding the joints etc., complete and supplying and packing the annular space with pebbles of size and quality as approved by the Executive Engineers of TWAD Board.		
i.	150 mm dia Casing Pipes assembly	One metre	139.70
ii	200 mm dia Casing Pipes assembly	One metre	139.70
iii	250 mm dia Casing Pipes assembly	One metre	141.90

Schedule Item No.	Description	Unit	Rate in Rupees
13.a	Labour Charges for inserting PVC Casing pipes assembly (with slots or without slots) in the drilled hole including jointing the pipes with PVC Couplers with Cement paste etc., complete and supply and packing the annular space with pebbles of size and quality as approved by the Executive Engineers of TWAD Board		
i.	150 mm dia Casing Pipes assembly	One metre	135.30
ii	200 mm dia Casing Pipes assembly	One metre	139.70
iii	250 mm dia Casing Pipes assembly	One metre	139.70
13.b	Charges for developing the Borewell with air compressor of 600 CFM capacity (Minimum 8 Hours) including transportation, labour and fuel charges for compressor as directed by TWAD Officers and conducting yield test by 'V' notch method.	One hour	911.90
	Note : I) 150 mm dia bore, reaming should be done upto 300 mm dia. II) 200 mm dia bore, reaming should be done upto 300 mm dia and thereafter 400,450 etc.		
14	Drilling of borewell anywhere in Tamilnadu including transportation from one place to another place within Tamilnadu in alluvial soil or sedimentary strata of clay and sand or sand, stone, shale, pebbles, boulders etc., by first taking a pilot bore of 140 mm/150mm dia and then enlarging to required dia by direct or reverse rotatry mud and circulation method using contractor's rig, fuel, labour, drilling, betonite mud and water required for drilling at the site shown by the TWAD officers including construction of mud pit only calyx drills are to be used.		
a.	Drilling 140 / 150 mm dia Pilot Bore upto 60 m depth ending below ground level.	One metre	451.00
b.	Reaming from 140/150 mm dia pilot bore to 300 mm dia bore as directed by the TWAD Board Officers upto 60 m Depth ending from ground level	One metre	127.60

Schedule Item No.	Description	Unit	Rate in Rupees
c.	Labour charges for inserting 150 mm dia M.S. Casing pipes assembly (With slots or without slots) in the drilled hole including welding the joints and packing annular space with pebbles of size and quality as approved by the Executive Engineer / TWAD	One metre	114.40
d.	Labour Charges for inserting PVC casing pipes assembly (with slots or without slots) in the drilled hole including the jointing the pipes with PVC couplers with cement paste etc.		
i.	140 mm OD PVC Casing Pipes Assembly	One metre	97.90
ii	165 mm/168 mm dia PVC Casing pipes Assembly	One metre	114.40
e.	Charges for developing the borewell with air compressor of 300 cfm capacity (Minimum 8 Hours) including transportation labour and fuel charges for compressor as directed by TWAD Board officers and conducting yield test by 'V' notch method.	One metre	709.50
f.	Drilling of 12" dia vertical borewell so as to have a finished size of 6" dia borewell in boulder area to any required depth as decided by the TWAD Board officers including Transportation from one place to another place with in Tamilnadu State by direct or reverse rotary mud circulation method using contractor's rig tools, fuel labourers, bentonite mud and water required for drilling at the site shown by the TWAD Officers including construction of mud pit etc. using only calyx rigs	One metre	867.90
15.a	Conveyance of handpumps and its accessories from divisional stores to site of works		
i.	Conveyance upto 10 Kms	Each handpump and its accessories	280.50
ii	Conveyance 10 to 20 Kms		352.00
ii	Conveyance 20 to 40 Kms		429.00
iv	Conveyance above 40 Kms		497.20
	Note : i) Conveyance of Filter Point, Handpump with GI Pipes and its accessories from divisional stores to site of works. 50% of the rate of conveyance of hand pumps, with its accessories is applicable for this item for the respective leads as indicated above ii) If the Mark II hand pump is conveyed in cart track even for part distance 20 % extra over the above rate shall be adopted.		

Schedule Item No.	Description	Unit	Rate in Rupees
b. i.	Erection of deep well hand pumps upto 40 m	Each	460.90
ii	Above 40 m	Each	525.80
c.	Erection of shallow well hand pumps	Each	203.50
d.	Erection Extra deep well hand pumps	Each	595.10
e.	Removal of deep well hand pumps from borewell		
i.	Up to 40 m	Each	460.90
ii	Above 40 m	Each	580.80
f)	Attending repairs to deep well handpumps for borewells inclusive of removal of G.I. Pipes, Plunger rods, Cylinder and re-erection of hand pumps inclusive of lowering the GI Pipes Plunger rods cylinder, jointing etc.		
i.	Upto 30 M	Each	489.50
ii)	Above 30 M	Each	572.00
16.a	Erection of filter point with G.I. Pipes of 32 mm to 65 mm dia	Each	133.10
b	Removing the chocked filter point with G.I. Pipes of 32 mm to 65 mm dia and re-erecting in another place within 1.00 KM radius after cleaning the filter points G.I. Pipes etc., Complete upto 8.00 m depth	Each	221.10
17.(a)	ERECTION OF POWER PUMPSET IN BORE/OPENWELL		
	Labour Charges for erection of Horizontal shaft, centrifugal pumpset (Coupled/Monoblock) in bore well/Open well including fixing of suction pipe and foot valve upto a maximum depth of 7 metres and delivery pipes to the required length with valves, pressure gauges upto the exterior wall of pump room and erection of panel Board consisting of TPIC switches starter, voltmeter, Ammeter, Capacitor single phasing preventor and laying and jointing the cables and twin earthing as per IE rules including providing bed blocks etc., complete and operating the pumps and trial run for 10 days including signing of completion of reports as required by EB authorities.		
i.	Upto 3 HP	Each	2977.70
ii	Above 3 HP upto 7.5 HP	Each	3832.40
iii	Above 7.5 HP to 20 HP	Each	4491.30

Schedule Item No.	Description	Unit	Rate in Rupees
17.b	ERECTION OF POWER PUMPS IN BORE WELL		
	Erection of power pumps in borewell labour charges for erection of twin packer duplex type jet pumps in borewells upto 150 mm dia including fixing of Suction pipe regulating valves with jet assembly upto a maximum depth of 30 m and delivery pipe valves pressure gauges upto the exterior wall of pump room and erection of panel board consisting of TPICN switches starter, voltmeter, Ammeter, three indicator lamps capacitor and laying and jointing the cables and twin earthing as per IE rules etc., complete and testing the pumps and trail run for 10 days including signing of completion of reports as required by EB authorities and finishing the pipe holes including the foundation bolts, nuts and earth pits.		
i.	Upto 3 HP	Each	3983.10
ii	Above 3 HP upto 7.5 HP	Each	4654.10
iii	Beyond 7.5 HP upto 20 HP	Each	5321.80
	Note : If depth of erection exceeds beyond 30 m 10% increase over the basic rate is allowed		
17.c	Labour charges for the erection of submersible pumpset in borewell/openwell including fixing and jointing submersible cable withproper clamps upto the starter to required depth and also fixing of riser pipes to the required depth valves erection clamps, pressure gauges upto the exterior wall of pump room and erection of panel board consisting of TPICN switches starter, voltmeter, Ammeter, three pilot (indicating) lamps capacitor single phasing preventor, water level guard and laying and jointing the cables and twin earthing as per IE rules etc., complete and testing the pumpset and trail run for 10 days.		
i.	Upto 5 HP	Each	4049.10
ii)	Above 5.00 HP to 10.00 HP	Each	4639.80
iii)	Above 10.00 HP to 20.00 HP	Each	5146.90

Schedule Item No.	Description	Unit	Rate in Rupees
17.d	Conveyance of power pumpset (centrifugal jet and submersible) and its accessories from divisional stores to site of works.		
	Conveyance upto 10 Kms	Each Power Pump and its accessories	610.50
	Conveyance 10 to 20 Kms	-do-	671.00
	Conveyance 20 to 40 Kms	-do-	993.30
	Conveyance 40 to 60 Kms	-do-	1211.10
	Conveyance 60 to 80 Kms	-do-	1589.50
	Conveyance above 80 Kms	-do-	1822.70
	Note : For item 17 (a) (b) and (c)		
i.	Removal of centrifugal pumpset/ jet pumps/ submersible pumpsets and its accessories from borewell/ open well for attending repairs 50% of the rates mentioned under item 17 (a) (b) and (c) may be allowed for the respective Horse		
ii	Re-erection of centrifugal pumpsets, jet pumpsets and its accessories into the borewell/ openwell after attending the repairs 50% of the rate mentioned under item 17 (a) (b) and (c) may be allowed for respective Horse power.		
18	Hire charges :		
a	Sheet piles (Larsen)	Per Pile/Per day	2.40
b	Sheet piles (For dingham)	Per Pile/Per day	3.60
c	Compartment sheet with Grills (3' -0" Wide)	Per sheet/Per day	3.60
d	Rate for flushing of borewell of 6" dia requiring less than 4 hours operation using drill rods/ hose with required size of pipes for various capacity compressor including transportation, labour, and fuel charges for compressors as directed by the TWAD Officer and conducting yield test by 'V' notch method if required.		
i.	600 Cfm (100 /150 PSI)	1 hour (or) Part there of	911.90
ii)	300/250 Cfm (100 PSI)	1 hour (or) Part there of	709.50
iii)	125 Cfm (100 PSI)	1 hour (or) Part there of	650.10
	Note : Minimum charges for 8 (eight) hours will be levied if the air compressor issued for other departmental works or if the air compressor is hired to other departments.		

Schedule Item No.	Description	Unit	Rate in Rupees
e	Helmet	Per day/8 hours	3.60
f	Hand test pump	Per day/8 hours	33.85
g	Pile hammer	Per day/8 hours	3.60
h	Concrete mixer 5 Cft. With driver (Excluding cost of fuel)	Per day/8 hours	311.30
i.	Concrete mixer 7 Cft. With driver (Excluding cost of fuel)	Per day/8 hours	469.70
j	Hand operated winch	Per day/8 hours	31.45
k	Pile cap	Per day/8 hours	8.45
l	Hire charges for diesel pumpset upto 3 HP with fuel and crew charges including transportation	Per hour	95.70
m	Hire charges for diesel pumpset above 3 HP to 7.5 HP	Per hour	133.10
19.a	Labour for tying barbed wire fencing horizontally through the holes in RCC posts with required tension.	One metre	3.60
b	Labour for tying barbed wire fencing vertically with required tension	One metre	3.60
20	Labour charges for putting bore holes of size 3" to 4" in river bed in sandy and other loose soils using hand boring sets including the cost of hire charges, conveyance charges of hand boring sets, collection of soil sample at frequent intervals and as directed by TWAD Board Officers.	One metre	185.90
21	Desilting light or sandysoil or silt from infiltration wells below water level including the charges for special T&P and air compressor etc. complete.	One cubic metre	739.20

RATES FOR EARTHWORK EXCAVATION FOR PIPE LAYING WORKS

Schedule item No	Description	Unit	Rate in Rupees
16	Flat and Pan tiles or Mangalore tiles over flat tiles, without roof timbers	sqm	7.95
17	Asbestos cement sheets roofing without roof timbers	sqm	5.25
18	Corrugated iron sheet roofing over pan tiles without roof timbers	sqm	8.60
19	Old Thatched roof including tying materials into small bundles for reuse	sqm	2.60
20	Wrought and put up framed timbers in roofs or floors	cu.m	209.00
21	Doors and windows including removal of frames, hinges and fastenings	sqm	43.20
22	Drystone apron or revetment, stacking within 40 m lead	cu.m	37.15
23	Grouted stones apron or revetment, stacking within 40 m lead	cu.m	43.20
24	Dry stone masonry walls	cu.m	31.65
25	*Dismantling lime concrete	cu.m	101.15
26	*Dismantling plain cement concrete	cu.m	137.00
27	*Dismantling reinforced cement concrete	cu.m	2083.00
	Note * 1) The rate for dismantling lime concrete, cement concrete and R.C. concrete are exclusive of baling charges. The rate is same in all floors. 2) For dismantling below ground level 25% extra over the basic rates (i.e. the rates already available in the schedule of rate) for dismantling is allowed.		
28	Chipping of concrete and roughening the surface	sqm	11.55
29	Pressed tiles & weathering course	sqm	13.30
30	One course of pressed tile roof finish in cement mortar	sqm	7.40
31	One course of terrace bricks roof finish in cement mortar	sqm	8.65
32	Two course of flat tiles roof finish in cement mortar	sqm	8.60
33	Mosaic in situ finish in cement mortar in flooring and in wall surface	sqm	17.85
34	Floor finish and dadooing walls in cement mortar with mosaic tiles/ glazed tiles/ cuddapah slabs.	sqm	17.25
	1. Clearing site		
a	Clearing heavy jungle	sqm	2.60
b	Clearing light jungle	sqm	1.95

Schedule item No	Description	Unit	Rate in Rupees
c	Clearing scrub jungle	sqm	1.85
d	Uprooting and removing large palmyrah/ coconut stumps	each	50.00
e	Uprooting and removing small palmyrah/ coconut stumps	each	35.75
f	Removing weeds in channel and drain	sqm	0.75
g	Cleaning juliflora jungle with uprooting	sqm	2.85
h	Cleaning juliflora jungle without uprooting	sqm	2.20
Note : Definition of large and small stumps : The Diameter of Stumps shall be 1/3 of the circumferance at a point 0.6 m above the highest ground level at the stump or the circumferance near the top of the stump if the stump is less than 0.60 m in height (The measurement for circumferance and determination of the diameter will be to the nearest full centimetre). Only stumps with Circumferance of 30 cm and more will be measured for payment. The Sl. No d, is for Stumps of Diameter above 30 cm and Sl. no. e is for stumps of diameter 15 to 30 cm.			
35	QUARRYING AND BLASTING		
a	Hard rock measured in solid including blasting and stacking	Cu.m	246.00
b	Removing hard rock by wedging chiselling and trimming to proper shape where blasting is prohibited.	Cu.m	492.00
c	Medium rock and dense medium rock requiring blasting	Cu.m	126.00
d	Extra for every additional 10 metres lead or part thereof over the initial lead for blasted materials	Cu.m	3.05
e	Extra for every additional 1 metre lift or part thereof over the initial lift of 2 m for blasted materials	Cu.m	3.15
f	Benching hard rock upto an average 10cm depth	Sq.m	239.00
g	Drilling holes in hard granite 40mm diameter	RM	79.85
h	Drilling holes in hard granite 45mm diameter	RM	93.15
I	Drilling holes in hard granite 50mm diameter	RM	111.00
j	Drilling holes in hard granite 75mm diameter	RM	126.00
k	Drilling holes in hard granite 32mm diameter	RM	68.50
	Note : 1) A deduction of 40 percent is to be made for the quantity of voids and stack measurement and payment is for the lesser of two viz. Solid measurement or stack measurements less 40 percent of stack measurement for voids. 2) The rates for extra lead and lift are on the quantity as per the solid measurement or stack measurement less 40 percent for voids whichever is less. These rates are applicable for headload only. 3) Payment for blasting the rock in solid shall be made for the lesser of the two quantities obtained by a) Measurement recorded by levels or measurement and b) by stack measurement less deduction for voids (This foot note is applicable for all items of rock measured in solid)		

RATES FOR EARTH WORK EXCAVATION AND REFILLING FOR PIPELINE WORKS ON LINEAR MEASUREMENT BASIS

RATES FOR EARTH WORK EXCAVATION AND REFILLING FOR PIPE LINE WORKS ON LINEAR MEASUREMENT BASIS

Type	Pipe size in mm	Width in 'm'	Depth in 'm'	Earth work qty. in cum/m	Outer dia of pipe in 'm'	Refilling Qty/cum/m	Earth work rate for other than loose soil/m Rs.	Earth work rate for loose soil/m Rs.	Refilling rate/m Rs.
					Cost of EWE 86.85				
					Cost of refilling 12.20				
					Cost of loose soil 58.00				
CI/ DI/ MS	80	0.75	1.05	0.79	0.098	0.780	68.61	45.82	9.52
	100	0.75	1.05	0.79	0.118	0.777	68.61	45.82	9.48
	125	0.75	1.05	0.79	0.144	0.771	68.61	45.82	9.41
	150	0.75	1.05	0.79	0.170	0.765	68.61	45.82	9.33
	200	0.80	1.10	0.88	0.222	0.841	76.43	51.04	10.26
	250	0.80	1.20	0.96	0.274	0.901	83.38	55.68	10.99
	300	0.80	1.35	1.08	0.326	0.997	93.80	62.64	12.16
	350	0.90	1.45	1.31	0.378	1.193	113.77	75.98	14.55
	400	0.90	1.55	1.40	0.429	1.251	121.59	81.20	15.26
	450	1.00	1.70	1.70	0.480	1.519	147.65	98.60	18.53
	500	1.00	1.85	1.85	0.532	1.628	160.67	107.30	19.86
	525	1.00	1.85	1.85	0.532	1.628	160.67	107.30	19.86
	600	1.10	2.05	2.26	0.635	1.938	196.28	131.08	23.64
	700	1.20	2.30	2.76	0.738	2.332	239.71	160.08	28.45
	750	1.25	2.45	3.06	0.790	2.573	265.76	177.48	31.39
AC Cl 15	80	0.75	1.05	0.79	0.104	0.779	68.61	45.82	9.50
	100	0.75	1.05	0.79	0.124	0.775	68.61	45.82	9.46
	125	0.75	1.05	0.79	0.151	0.770	68.61	45.82	9.39
	150	0.75	1.05	0.79	0.178	0.763	68.61	45.82	9.31
	200	0.80	1.10	0.88	0.235	0.837	76.43	51.04	10.21
	250	0.80	1.20	0.96	0.286	0.896	83.38	55.68	10.93
	300	0.80	1.35	1.08	0.340	0.989	93.80	62.64	12.07
	350	0.90	1.45	1.31	0.396	1.162	113.77	75.98	14.18
	400	0.90	1.55	1.40	0.452	1.235	121.59	81.20	15.07
	450	1.00	1.70	1.70	0.502	1.502	147.65	98.60	18.32
	500	1.00	1.85	1.85	0.559	1.605	160.67	107.30	19.58
	600	1.10	2.05	2.26	0.658	1.915	196.28	131.08	23.36
AC Cl 10	80	0.75	1.05	0.79	0.104	0.779	68.61	45.82	9.50
	100	0.75	1.05	0.79	0.124	0.775	68.61	45.82	9.46
	125	0.75	1.05	0.79	0.149	0.770	68.61	45.82	9.39
	150	0.75	1.05	0.79	0.175	0.763	68.61	45.82	9.31
	200	0.80	1.10	0.88	0.229	0.839	76.43	51.04	10.24
	250	0.80	1.20	0.96	0.281	0.898	83.38	55.68	10.96
	300	0.80	1.35	1.08	0.333	0.993	93.80	62.64	12.11
	350	0.90	1.45	1.31	0.389	1.186	113.77	75.98	14.47

RATES FOR EARTH WORK EXCAVATION OTHER THAN PIPE LAYING AND WELLS

EARTH WORK EXCAVATION OTHER THAN PIPE LAYING WORKS AND WELLS

Schedule Item No.	Description	Unit	Rate in Rupees
	Earthwork excavating and depositing on bank with an initial lead of 10 meters and initial lift of 2 metres in		
1.	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 SS 20 A	Cu.m	25.50
2.	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 SS 20 B	Cu.m	23.20
3.	Slush and silt under water upto 0.75 metre depth requiring the aid of baskets and vessels SS 20 B	Cu.m	29.00
4.	Trimming the bed and side slopes of the bank in all soils except hard rock upto a thickness of 7.5 cm and making it ready to receive the concrete.	Cu.m	6.00
4. a.	7.50 cm to 15cm thick	Cu.m	7.30
5.	Sectioning during forming bunds when earth moving machineries, lorries and rollers are used for consolidation.	Cu.m	4.50
6.	Hard stiff clay, stiff black cotton, hard red earth, shales, murram, gravel, stoney earth and earth mixed with small size boulders SS 20A	Cu.m	37.00
7.	Hard stiff clay, stiff black cotton, hard red earth, shales, murram, gravel, stoney earth and earth mixed with small size boulders SS 20B	Cu.m	34.75
8.	Soft disintegrated rock, laterite, soft rock or kankar, not requiring blasting	Cu.m	51.70
9.	In loose boulders in excavation of various sizes 150mm to 625mm	Cu.m	81.80
10.	Medium rock and dense medium rock not requiring blasting	Cu.m	91.00

Schedule Item No.	Description	Unit	Rate in Rupees
11.	Extra for every additional 10 meters lead or part thereof over the initial lead	Cu.m	4.40
12.	Extra for every additional 1 meters lift or part thereof over the initial lift	Cu.m	3.55
13.	Breaking clods, consolidating and sectioning	Cu.m	2.20
14.	Breaking clods, consolidating and sectioning the earth scooped by bull dozers	Cu.m	6.65
15.	Add relevant TNDSS No.20A, rates for new tank bunds and closing breaches for extra watering and consolidation.		
a)	By hand roller	Cu.m	7.30
b)	By power roller including hire charges	Cu.m	12.20
16.	Benching old embankment slopes 45cm x 45cm	Cu.m	1.50
17.	Puddle wall work	Cu.m	57.80
18.	Turfing in slopes including watering and fixing with initial lead upto 50m.	Cu.m	12.20
19a	Refilling with excavated sand complying with standard specification for filing in foundation and basement	Cu.m	10.85
b	Refilling with excavated soil (other than sand) complying with the standard specification for filing in foundation and basement	Cu.m	12.20

The following foot note is applicable for the classifications of soils come under " Quarrying and blasting" and "Earth Work"

Note:

a) Standard specification No.20-A requires breaking clods, ramming and sectioning of spoil bank for which separate rate will not be paid.

b) Standard specification No.20/B does not require breaking clods, ramming and sectioning but requires neat banking in accordance with the standard specifications.

c) Double the relevant rate for standard specification No.20-B will apply to excavation in all the soils and rock classification given above for foundation of buildings, 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 cause ways, road dam, pits for avenue trees, and pits for poles and towards and catch water pits.

d) An extra 50 percent over the rates for ordinary excavation in all the soils and rock classification given above shall be allowed for drains, channels, contour trenches and canals having bed width 1.25 m and below. The extra percentage is applicable any for depth up to 2.00m the depth being measured from the bottom of excavation.

e) An extra 25 percent over the rates for ordinary excavation in all the soils and rock classification given shall be allowed for drains, channels and canals having bed width 1.25m to 2.00m. The extra percentage is applicable only for depth up to 2.0m the depth being measured from the bottom of excavation.

f) These rates for earth work do not include baling charge. The baling charges are to be paid as per actual in case baling is done departmentally or at actual plus 10 percent extra in case baling is done by other agencies. However for estimate purpose baling charges are to be provided at 10 percent of the rates of respective items of excavation in all soils including medium rock and dense medium rock and at 5 percent of the rates for excavation in hard rock.

g) Double the relevant rate for standard specification No.20B for excavation in all soils and rock classification given above shall be allowed for circular trenches for soil and moisture conservation having bed width of 0.25m and below with side slope of 1/2:1 and not less than 0.75 m in depth

Schedule Item No.	Description	Unit	Rate in Rupees
f	Benching hard rock upto an average 10cm depth	Sq.m	239.00
g	Drilling holes in hard granite 40mm diameter	RM	79.85
h	Drilling holes in hard granite 45mm diameter	RM	93.15
I	Drilling holes in hard granite 50mm diameter	RM	111.00
j	Drilling holes in hard granite 75mm diameter	RM	126.00
k	Drilling holes in hard granite 32mm diameter	RM	68.50

NOTE :-

Double the relevant rate will apply in excavation in all the soils and rock classifications.

OPEN WELL EXCAVATION

Schedule Item No.	Description	Unit	Rate in Rupees
1.	Earth work open well excavation, complying with relevant clauses of T.N.D.S.S. well sinking and with lead up to 10 metres 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 metres.	Cu.m	23.20
2.	Earth work open well excavation, complying with relevant clauses of T.N.D.S.S. well sinking and with lead upto 10 metres in hard stiff clay, stiff black cotton soil, hard red earth, shales murrams gravel, stony earth and earth mixed with small size boulders and hard gravelly soil First depth of 2 metres	Cu.m	34.60
3.	Earth work open well excavation, complying with relevant clauses of T.N.D.S.S. well sinking and with lead up to 10 metres in soft disintegrated rock, laterite, soft rock or kankar, not requiring blasting, First depth of 2 metres	Cu.m	53.20
4.	Open well excavation, complying with relevant clauses of T.N.D.S.S. well sinking and with lead up to 10m in medium rock and dense medium rock not requiring blasting. First depth of 2 metres	Cu.m	86.50
5.	Open well excavation complying with relevant clauses of T.N.D.S.S. well sinking and with lead up to 10m in medium rock and dense medium rock requiring blasting. First depth of 2 metres	Cu.m	130.00

6.	Open well excavation complying with relevant clauses of T.N.D.S.S. well sinking and with lead up to 10m in hard granite measured in solid including blasting and stacking. First depth of 2 metres	Cu.m	252.00
7.	Sinking well in loose soils, light black cotton soil, sandy loam and ordinary soil under water including bailing or pumping charges if necessary etc., complete first depth of 2 metres	Cu.m	35.90
8.	Sinking well in sand, including bailing or pumping charges if necessary etc. complete First depth of 2 metres	Cu.m	50.35
9.	Sinking well in hard stiff clay, light black cotton soil, hard red earth, shales, murram, gravel, stoney earth, and earth mixed with small size boulders and hard gravelly soil including bailing or pumping charges if necessary etc., complete –First depth of 2 metres	Cu.m	50.35

Note : Open well Excavation

a) Up to 2m diameter of wells 10 percent excess will be allowed over the basic rates for open well excavation.

b) The rates do not include baling charges. If the dewatering is to be done departmentally, 10 percent of cost of excavation shall be allowed for dewatering for estimate purposes. Actual or 10 percent whichever is less to be allowed for dewatering charges. For any expenditure above this percentage prior approval of the competent authority should be obtained.

c) Stage depth rates for well excavation" The stage depth for adopting the rates from the schedule of rates should be reckoned from ground level only irrespective of the fact, whether there is parapet wall or not.

d) For open well excavation for rates up to 12m depth the progression would be x, 2x, 3x, 4x, 5x, and 6x and rate beyond 12 metre depth the progression should be 8x, 10x, 12x, 14x and 16x and so on.

RATE FOR EARTH WORK BY DEPLOYING MACHINERIES

Schedule Item No.	Description	Unit	Rate in Rupees
1.	Earth work in all soils except medium rock/ hard rock requiring blasting and conveying for formation of bund with lead of 0 to 100 metre deploying earth moving machineries and tippers including benching, formation of bunds, breaking clods, sectioning etc., complete.	Cu.m	37.55
1.a.	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 machineries and tippers including benching, formation of bunds, breaking clods, sectioning etc., complete.	Cu.m	3.05
2.	Earth work deploying earth moving machineries for desilting channel and forming bund on either side and depositing the earth on banks including jungle clearance etc., complete.	Cu.m	
a.	Having width up to 3 m	Cu.m	22.20
b.	Having width up to 3 m – 10 m	Cu.m	27.05
3	Earth work excavation deploying earth moving machineries for desilting channel having a width of more than 10 m and forming bund on either side and depositing the earth on banks including jungle clearance etc., complete.	Cu.m	31.60
	vi. Lift charges - concrete - brick or stone masonry above or below ground level		
	Note: The rate for lime concrete, cement concrete, reinforced cement concrete, brick work and stone masonry worked out as per Standard Data will apply to basement and foundation up to a depth of 1.50 m below ground level only (basic rate)		
a) 1.	**Statement I** **Concrete above ground level** Add to the basic rate for works up to 4.50m height in ground floor (height to be reckoned from floor level i.e. plinth level in ground level)	Cu.m	37.00

2.	Add for works in every upper floor over the rate of preceding floor	Cu.m	73.80
3.	**Brick or stone masonry above ground level**		
i.	Add to the above basic rate for works up to 4.50m height in ground floor (height to be reckoned from floor level i.e. plinth level in ground level)	Cu.m	24.50
ii.	Add for works in every upper floor over the rate of preceding floor	Cu.m	49.20
	Note: i) For the works above 4.5m height in individual floor the rate of next floor may be taken. The extra rates allowed for building works are applicable to irrigation works and road works also. The extra rates may be allowed for the structures beyond 1.00m above ground level. ii) The extra rates may be allowed considering the ground level as datum in respect of service reservoirs (where there is no plinth level)		
a) 1.	**Statement ii** **Concrete below ground level** Add the basic rate for works above 1.5m depth and up to 4.5m depth below ground level	Cu.m	36.50
2.	Add the basic rate for works above 4.5m depth and up to 9.0 m depth below ground level	Cu.m	73.20
3.	Add extra over the above item 2 for every additional 4.5m depth beyond 9m depth below ground level	Cu.m	73.20
	Brick or stone masonry below ground level		
1.	Add the basic rates for works above 1.5m depth and up to 4.5m depth below ground level	Cu.m	24.50
2.	Add the basic rates for works between 4.5m depth and up to 9.0m depth below ground level	Cu.m	49.20
3.	Add extra over the above item 2 for every additional 4.5m depth beyond 9m depth below ground level	Cu.m	49.20

Note : 1. The above extra rates are applicable for buildings, irrigations, and road works.

2. First Grade stone includes hard granite, trap, etc. second Grade stone includes gneiss, lime stone etc.

3. The class of materials to be used should always be defined in the items, description in tender schedules, contract schedules etc.

4. For reinforced cement concrete work, only the hardest locally available stone will be used, if it has good bonding surface and is otherwise suitable proportions for concrete are defined in the relevant standard specification.

5. Note under Sl.No.179 to 187 in the standard data book applies to arches over doors and windows. For large arches in bridges and irrigation works, addition to this rate extra cost of centering is to be made.

6. **For concrete mix**

a. Equal mixes (i.e.) 50 percent mortar mixes only should be adopted for plain concrete for foundation, flooring and RC Concrete for roofs, lintels, etc. wherever cement is used with hard broken stones or brick jelly.

b. 40 percent or 50 percent mortar mixer may be adopted where lime concrete with brick aggregate is used according to the condition at site.

Schedule Item No.	Description	Unit	Rate in Rupees
	CONCRETE VIBRATORS		
1.	Where vibrators are specified for consolidation in plain Cement concrete, this rate per cu.m over and above the provision made in the standard data book for consolidation with manual labour may be allowed.	Cu.m	21.80
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.	Cu.m	29.20
	Plastering		
1.	Clean removal of lime plaster from walls and racking out joints 20mm deep or from terraced roofs racking out joints 12mm deep	sq.m	3.05
2.	Clean removal of lime plaster from walls	sq.m	2.40
3.	Clean removal of cement plaster from walls	sq.m	2.55
4.	Clean removal of cement plaster from walls and racking out joints 20mm deep	sq.m	3.30
	White washing and colour washing and distempering		
1.	Thorough scrapping of old plastered surface	sq.m	1.45
2.	Washing of plastered surface with soap, soda and water (or with soda, lime, brush and water)	sq.m	1.80
	Painting, Wood Oiling, Tarring, Varnishing, Bee's Waxing etc		
1.	Removing old paints from doors and windows by blow lamp and scrapping, including removal and refitting of shutters	sq.m	10.85
2.	Removing old paints from doors and windows by scrapping and refitting of shutters	sq.m	4.65
3.	Removing paints from doors, windows and wood work by manual labour	sq.m	3.15
4.	Removing old paint from structural steel by blow lamp or sand paper	sq.m	6.65
5.	Re-polishing the mosaic flooring including polishing stone and hire charges for polishing machine but excluding cost of electrical charges.	sq.m	6.40

Schedule Item No.	Description	Unit	Rate in Rupees
6.	Scrapping and removing old paint from structural steel by manual labour	sq.m	2.95
7.	Removing old paint from iron surface with sand paper	sq.m	2.85
	Miscellaneous		
I.	Supplying & filling up the empty cement gunny bag with sand, stitching them conveying the same to site – and stacking as directed with in a lead of 10m excluding cost of bags, jute, thread, needle, sand etc. (labour only)	bag	2.85
ii.	Driving piles upto 15 cm dia in river bed	RM	8.55
iii.	Pointing the edge and driving bamboo/ casuarinas/ eucalyptus piles into river bed for the first 1m depth below ground level	Each	7.30
iv.	Driving bamboo/ Casuarinas/ Eucalyptus piles into ground beyond 1m depth from ground level. For every 1m (or) part thereof	RM	7.30
	River Conservancy of Korambu Works		
v.	Brush wood bundles one metre girth and one metre long within an initial lead of 1.6 KM	One bundle	1.50
vi.	Extra for every additional lead of 1.6 KM (for the above item)	One bundle	0.17
vii.	Driving casuarinas piles into bed including scaffolding etc., complete	RM	3.60
viii.	Casuarinas walling pieces 40mm to 50mm diameter including fixing with nails and tying with ropes.	RM	4.90
	Labour wrought and put up for doors windows and ventilators		
1.	Labour wrought and put up in position of frames inclusive of fixing hold fast for doors, windows and ventilators etc.	Cu.m	4239.00
2.	Labour wrought and put up in position of shutters for fully paneled doors (external or internal) moulded panels including labour charges for fixing furniture fittings, complying with standard drawings and standard specifications.	sq.m	479.00

Schedule Item No.	Description	Unit	Rate in Rupees
3.	Labour wrought and put up in position of shutters for fully paneled doors internal five plywood panels including labour charges for fixing furniture fittings, complying with standard drawings and standard specifications	sq.m	399.00
4.	Labour wrought and put up in position of shutters for glazed and paneled doors including labour charges for fixing furniture fittings, complying with standard drawings and standard specifications.	sq.m	445.00
5.	Labour wrought and put up in position of shutters for framed and planked doors including labour charges for fixing furniture fittings, complying with standard drawings and standard specifications	sq.m	371.00
6.	Labour wrought and put up in position of shutters for ledged and braced and planked doors including labour charges for fixing furniture fittings complying with standard drawings and standard specifications	sq.m	252.00
7.	Labour wrought and put up in position of shutters for glazed windows including labour charges for fixing furniture fittings, complying with standard drawings and standard specifications	sq.m	445.00
8.	Labour wrought and put up in position of shutters for windows panelled including labour charges for fixing furniture fittings, complying with standard drawings and standard specifications	sq.m	479.00
9.	Labour wrought and put up in position of shutters for windows, ledged braced and planked doors including labour charges for fixing furniture fittings, complying with standard drawings and standard specifications	sq.m	252.00
10.	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 drawing and standard specifications.	sq.m	399.00
11.	Labour wrought and put up in position frames shutters for swing ventilators and fixed in position in accordance standard drawing and standard specifications.	sq.m	372.00
12.	Labour charges for fixing doors along with frames in position etc. complete(finished work)	sq.m	71.80

Schedule Item No.	Description	Unit	Rate in Rupees
13.	Labour charges for fixing windows and ventilators along with frames in position etc. complete	sq.m	90.00
14.	Labour wrought and put up in position flush shutters for		
(a)	Single leaf shutters.	sq.m	66.55
(b)	Double leaf shutters	sq.m	103.00
15.	Labour wrought and put up in position fly proof wire gauge shutters for doors and windows and ventilators	sq.m	239.00
16.	Labour wrought and put up for providing teak wood weld mesh screen with frames 3"x3" (0.075mx0.075m)	sq.m	332.00
	Breaking metals		
i.	Labour charges for breaking 40mm metal from departmental blasted stones	Cu.m	127.00
ii.	Labour charges for breaking 20mm metal from departmental blasted stones	Cu.m	190.00
iii.	Labour charges for breaking 50mm metal from departmental blasted stones	Cu.m	75.85
	Cement Mortar		
i.	Grinding Mortar (Special Grinding lime)	Cu.m	115.00
ii.	Grinding Mortar (Ordinary Grinding lime)	Cu.m	87.80
iii.	Mixing Mortar – Cement by manual	Cu.m	35.90
iv.	Mixing Mortar- Cement by Machine Mixing	Cu.m	47.80
	Metal & Iron works		
i.	Petty ironwork for truss, straps etc. (Wrought & fixed)labour only	Kg	17.25
ii.	Iron works for trusses & record racks (labour only)	kg	15.95
iii.	Supplying & fixing mild steel grills for windows, ventilators, etc.	Kg	10.00
iv.	Fixing MS rods round/square for windows	Kg	9.30
v.	Fixing iron bars in windows and ventilators	Kg	9.30

Type	Pipe size in mm	Width in 'm'	Depth in 'm'	Earth work qty. in cum/m	Outer dia of pipe in 'm'	Refilling Qty/cum/m	Earth work rate for other than loose soil/m Rs.	Earth work rate for loose soil/m Rs.	Refilling rate/m Rs.
	400	0.90	1.55	1.40	0.436	1.246	121.59	81.20	15.20
	450	1.00	1.70	1.70	0.486	1.515	147.65	98.60	18.48
	500	1.00	1.85	1.85	0.541	1.620	160.67	107.30	19.76
	600	1.10	2.05	2.26	0.648	1.925	196.28	131.08	23.49
PVC/ HDPE/ GRP	40	0.60	1.05	0.63	0.040	0.629	54.72	36.54	7.67
	50	0.60	1.05	0.63	0.050	0.628	54.72	36.54	7.66
	63	0.60	1.05	0.63	0.063	0.627	54.72	36.54	7.65
	75	0.60	1.05	0.63	0.075	0.626	54.72	36.54	7.64
	90	0.60	1.05	0.63	0.090	0.624	54.72	36.54	7.61
	110	0.60	1.05	0.63	0.110	0.621	54.72	36.54	7.58
	125	0.60	1.05	0.63	0.125	0.618	54.72	36.54	7.54
	140	0.60	1.05	0.63	0.140	0.615	54.72	36.54	7.50
	160	0.60	1.05	0.63	0.160	0.610	54.72	36.54	7.44
	180	0.75	1.05	0.79	0.180	0.760	68.61	45.82	9.27
	200	0.80	1.10	0.88	0.200	0.850	76.43	51.04	10.37
PSC/ BWSC	350	0.90	1.45	1.31	0.464	1.136	113.77	75.98	13.86
	400	0.90	1.55	1.40	0.514	1.188	121.59	81.20	14.49
	450	1.00	1.70	1.70	0.564	1.450	147.65	98.60	17.69
	500	1.00	1.85	1.85	0.614	1.554	160.67	107.30	18.96
	600	1.10	2.05	2.26	0.724	1.844	196.28	131.08	22.50
	700	1.20	2.30	2.76	0.824	2.227	239.71	160.08	27.17
	800	1.25	2.45	3.06	0.934	2.378	265.76	177.48	29.01
	900	1.40	2.60	3.64	1.054	2.768	316.13	211.12	33.77
	1000	1.70	2.60	4.42	1.150	3.381	383.88	256.36	41.25
	1100	1.80	2.75	4.95	1.250	3.723	429.91	287.10	45.42
	1200	1.90	3.00	5.70	1.350	4.269	495.05	330.60	52.08
GI	15	0.75	1.05	0.790	0.020	0.787	68.61	45.82	9.60
	20	0.75	1.05	0.790	0.030	0.787	68.61	45.82	9.60
	25	0.75	1.05	0.790	0.030	0.787	68.61	45.82	9.60
	32	0.75	1.05	0.790	0.040	0.786	68.61	45.82	9.59
	40	0.75	1.05	0.790	0.050	0.786	68.61	45.82	9.59
	50	0.75	1.05	0.790	0.060	0.786	68.61	45.82	9.59
	65	0.75	1.05	0.790	0.070	0.784	68.61	45.82	9.56
	80	0.75	1.05	0.790	0.090	0.781	68.61	45.82	9.53
	100	0.75	1.05	0.790	0.110	0.778	68.61	45.82	9.49
	125	0.75	1.05	0.790	0.140	0.772	68.61	45.82	9.42
	150	0.75	1.05	0.790	0.160	0.767	68.61	45.82	9.36

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Note:Earth excavation in SDR, DMR,HR etc., the linear measurement rate may be worked out separately and to be approved by the SE concerned after verification of soil classifications by putting proper trial pits at closer intervals".(B.P.Ms.No.82/COM Wing/dt.22.8.2008).