Abstract Estimate

JJM:-Providing FHTC to households in Erattayar Panchayat from existing and ongoing schemes

(Dsor year: 2016)

| 1 100.60.14.4.2 Providing 15mm (1/2 inch) house connection with 15mm water meter from existing AC / GI mains fr 150mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conform to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferr brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, GI / MS service Saddle suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching a refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross sect 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, provid caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumab and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weat resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental office Ke Say 50.000 Nos @ Rs 6422.28 / Nos Rs 321114.00 2 100.60.14.1.2 Providing 15 weak: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. bra form 14/0mm to 200mm dia., up to a length of 5 m using 20mm (1 | | 1App A - Part I - Providing FHTC, from exiting pipe lines (C | Cost Index:48.71 %) |
|--|---|---|--|
| Net Total Quantity 50.000 Nos 2 100.60.14.1.2 Rs 321114.00 2 100.60.14.1.2 Providing 15mm (1/2 inch) house connection with 15mm water meter from existing PVC / HDPE mather from 140mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) PE Pipe, PE80, PN Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brack ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, PVC Server Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete include trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of averac cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighti watching, providing caution boards, traffic control etc. complete including cost of materials, hire for to cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of departmental officers. | 1 | Providing 15mm (1/2 inch) house connection with 15mm water meter 150mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) to IS 4984: 2016 or later edition and PP PN 16 Compression / GM brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, or suitable size etc. and connecting with the mains, testing the joints etc refilling in all kinds of soil up to a depth of 1.50m for main line tracing a 0.3m x 0.75m for laying connection pipe and service pipe, fixing water caution boards, traffic control etc. complete including cost of materials and labour charges, including the cost of tested Class B Multijet water resistant PP / PE meter box of minimum size 300mm x 200mm x 7 | PE Pipe, PE80, PN16, Conformin / Brass specials viz. brass ferrul couplers, GI / MS Service Saddle c. complete including trenching ar and trench of average cross section meter, lighting, watching, providir , hire for tools, cost of consumable er meter with ISI mark and weath 150mm, but excluding charges f |
| 2 100.60.14.1.2 Providing 15mm (1/2 inch) house connection with 15mm water meter from existing PVC / HDPE ma from 140mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) PE Pipe, PE80, PN Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. bra ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, PVC Serv Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete include trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of avera cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighti watching, providing caution boards, traffic control etc. complete including cost of materials, hire for to cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, I excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of departmental officers. Net Total Quantity 50.000 Nos | | | |
| 100.60.14.1.2 Providing 15mm (1/2 inch) house connection with 15mm water meter from existing PVC / HDPE mather from 140mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) PE Pipe, PE80, PN Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brast ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, PVC Serv Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete include trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of averat cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighti watching, providing caution boards, traffic control etc. complete including cost of materials, hire for to cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of departmental officers. | | HOLE BUD | |
| | 2 | Providing 15mm (1/2 inch) house connection with 15mm water meter from 140mm to 200mm dia., up to a length of 5 m using 20mm (Conforming to IS 4984: 2016 or later edition and PP PN 16 Compress ferrule, brass hexagonal nipple, GM full way wheel valve, bend, M Saddle of suitable size etc. and connecting with the mains, testing trenching and refilling in all kinds of soil up to a depth of 1.50m for main cross section 0.3m x 0.75m for laying connection pipe and service watching, providing caution boards, traffic control etc. complete include cost of consumables and labour charges, including the cost of tested C mark and weather resistant PP / PE meter box of minimum size excluding charges for cutting the concrete / tarred / bituminous roads | 1/2 inch) PE Pipe, PE80, PN1 ion / GM / Brass specials viz. bra /TA, FTA, couplers, PVC Servic the joints etc. complete includin n line tracing and trench of average pipe, fixing water meter, lightin ding cost of materials, hire for too Class B Multijet water meter with I 300mm x 200mm x 150mm, b |
| Say 50.000 Nos @ Rs 6314.63 / Nos Rs 315731.50 | | | 50.000 Nos |
| | | | 00.000 1105 |

| 3 100.60.2.4.2 Providing 15mm (1/2 inch) house com mains from 150mm to 200mm dia., up and uPVC / GM / Brass specials viz. b GI / MS / SS Service Saddle of suitab complete including trenching and refill and trench of average cross section (water meter, lighting, watching, provid materials, hire for tools, cost of consu Multijet water meter with ISI mark and 200mm x 150mm, but excluding charg per the direction of the departmental of | to a length of 5 m using 20mm rass ferrule, GM full way wheel le size etc. and connecting withing in all kinds of soil up to a d 0.3m x 0.75m for laying connecting counter ling caution boards, traffic con mables and labour charges, in weather resistant PP / PE me es for cutting the concrete / tal fficers. | Indian Standard Class 6 uPVC pipe valve, Elbow, MTA, FTA, couplers, th the mains, testing the joints etc. lepth of 1.50m for main line tracing ection pipe and service pipe, fixing trol etc. complete including cost of neluding the cost of tested Class B eter box of minimum size 300mm x rred / bituminous roads etc, and as |
|---|---|---|
| | Net Total Quantity | 47.000 Nos |
| Say 4 | 7.000 Nos @ Rs 5232.46 / Nos | Rs 245925.62 |
| 4 100.60.2.1.2 Providing 15mm (1/2 inch) house con HDPE mains from 140mm to 200mm uPVC pipe and uPVC / GM / Brass sp FTA, couplers, PVC Service Saddle of etc. complete including trenching and tracing and trench of average cross so fixing water meter, lighting, watching, p of materials, hire for tools, cost of cons Multijet water meter with ISI mark and 200mm x 150mm, but excluding charg per the direction of the departmental of | dia., up to a length of 5 m usin becials viz. brass ferrule, GM suitable size etc. and connectin refilling in all kinds of soil up ection 0.3m x 0.75m for laying roviding caution boards, traffic sumables and labour charges, in weather resistant PP / PE me es for cutting the concrete / tak | ng 20mm Indian Standard Class 6 full way wheel valve, Elbow, MTA, ng with the mains, testing the joints to a depth of 1.50m for main line connection pipe and service pipe, control etc. complete including cost including the cost of tested Class B eter box of minimum size 300mm x rred / bituminous roads etc, and as |
| Sav 7 | 0.000 Nos @ Rs 5232.46 / Nos | |
| 5 100.60.13.4.2 Providing 15mm (1/2 inch) house conr 125 mm dia., up to a length of 5m usin 2016 or later edition and PP PN 16 hexagonal nipple, GM full way whee suitable size etc. and connecting with refilling in all kinds of soil up to a depth 0.3m x 0.75m for laying connection pip caution boards, traffic control etc. comp and labour charges, including the cost resistant PP / PE meter box of minim cutting the concrete / tarred / bituminor | nection with 15mm water meter g 20mm (1/2 inch) PE Pipe, P Compression / GM / Brass I valve, bend, MTA, FTA, cou the mains, testing the joints etc of 1.50m for main line tracing a e and service pipe, fixing water plete including cost of materials of tested Class B Multijet water num size 300mm x 200mm x 2 | r from existing AC / GI mains up to E80, PN16, Conforming to IS 4984: specials viz. brass ferrule, brass uplers, GI / MS Service Saddle of c. complete including trenching and and trench of average cross section meter, lighting, watching, providing , hire for tools, cost of consumables er meter with ISI mark and weather 150mm, but excluding charges for rection of the departmental officers. |
| Say 26 | 0.000 Nos @ Rs 6335.18 / Nos | Rs 1647146.80 |

| 100.60.1.4.2 Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) we mains up to 125 mm dia., up to a length of 5 m using 20mm Indian uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel value MS / SS Service Saddle of suitable size etc. and connecting with complete including trenching and refilling in all kinds of soil up to a de and trench of average cross section 0.3m x 0.75m for laying connect water meter, lighting, watching, providing caution boards, traffic cont materials, hire for tools, cost of consumables and labour charges, in Multijet water meter with ISI mark and weather resistant PP / PE met 200mm x 150mm, but excluding charges for cutting the concrete / tar | Standard Class 6 uPVC pipe and e, Elbow, MTA, FTA, couplers, GI / the mains, testing the joints etc. epth of 1.50m for main line tracing ction pipe and service pipe, fixing rol etc. complete including cost of cluding the cost of tested Class B ter box of minimum size 300mm x |
|--|---|
| | 425 000 Nos |
| (Rem PA) | Rs 2186778.00 |
| Providing 15mm (1/2 inch) house connection with 15mm water meter up to 110 mm dia., up to a length of 5m using 20mm (1/2 inch) PE Pi 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, coupler size etc. and connecting with the mains, testing the joints etc. complete all kinds of soil up to a depth of 1.50m for main line tracing and trenc 0.75m for laying connection pipe and service pipe, fixing water me caution boards, traffic control etc. complete including cost of materials, and labour charges, including the cost of tested Class B Multijet wate resistant PP / PE meter box of minimum size 300mm x 200mm x 1 cutting the concrete / tarred / bituminous roads etc, and as per the dim Net Total Quantity | pe, PE80, PN16, Conforming to IS s specials viz. brass ferrule, brass rs, PVC Service Saddle of suitable e including trenching and refilling in h of average cross section 0.3m x eter, lighting, watching, providing hire for tools, cost of consumables r meter with ISI mark and weather 50mm, but excluding charges for ection of the departmental officers. |
| Say 120.000 Nos @ Rs 6222.28 / Nos | Rs 746673.60 |
| 100.60.1.1.2 Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) HDPE mains up to 110 mm dia., up to a length of 5 m using 20mm In and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel PVC Service Saddle of suitable size etc. and connecting with the mai including trenching and refilling in all kinds of soil up to a depth of 1.50 of average cross section 0.3m x 0.75m for laying connection pipe an lighting, watching, providing caution boards, traffic control etc. complet for tools, cost of consumables and labour charges, including the cost meter with ISI mark and weather resistant PP / PE meter box of n 150mm, but excluding charges for cutting the concrete / tarred / bitu direction of the departmental officers. | idian Standard Class 6 uPVC pipe valve, Elbow, MTA, FTA, couplers, ns, testing the joints etc. complete Om for main line tracing and trench d service pipe, fixing water meter, ete including cost of materials, hire st of tested Class B Multijet water ninimum size 300mm x 200mm x iminous roads etc, and as per the |
| Say 88.000 Nos @ Rs 5032.46 / Nos | Rs 442856.48 |
| | Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) mains up to 125 mm dia., up to a length of 5 m using 20mm Indian uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel valve MS / SS Service Saddle of suitable size etc. and connecting with complete including trenching and refilling in all kinds of soil up to a de and trench of average cross section 0.3m x 0.75m for laying connecting water meter, lighting, watching, providing caution boards, traffic cont materials, hire for tools, cost of consumables and labour charges, in Multijet water meter with ISI mark and weather resistant PP / PE me 200mm x 150mm, but excluding charges for cutting the concrete / tar per the direction of the departmental officers. Net Total Quantity Say 425.000 Nos @ Rs 5145.36 / Nos 100.60.13.1.2 Providing 15mm (1/2 inch) house connection with 15mm water meter up to 110 mm dia., up to a length of 5m using 20mm (1/2 inch) PE Pi 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, coupler size etc. and connecting with the mains, testing the joints etc. complete all kinds of soil up to a depth of 1.50m for main line tracing and trenc 0.75m for laying connection pipe and service pipe, fixing water me caution boards, traffic control etc. complete including cost of materials, and labour charges, including the cost of tested Class B Multijet water resistant PP / PE meter box of minimum size 300mm x 200mm x 1 cutting the concrete / tarred / bituminous roads etc, and as per the dir Net Total Quantity Say 120.000 Nos @ Rs 6222.28 / Nos 100.60.1.1.2 Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) HDPE mains up to 110 mm dia., up to a length of 5 m using 20mm Ir and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel PVC Service Saddle of suitable size etc. and connecting with the mai including trenching and refilling in all kinds of soil up to a depth of 1.50 of average cross section 0.3m x 0.75m for laying connection pipe |

| 9 | 100.60.12.3.1 | |
|----|---|---|
| | Providing 15mm PVC Tap in the water meter assembly for 15mm Standard Class 6 uPVC pipes and specials including cost of material | - |
| | tools and labour charges etc. complete and as per the direction of de | epartmental officers. |
| | Net Total Quantity | 1110.000 Nos |
| | Say 1110.000 Nos @ Rs 443.76 / Nos | Rs 492573.60 |
| 10 | 100.60.3.1.1 Providing additional length of house connection pipe using 20mm Inc. and specials and testing the joints etc., by trenching and refilling in all k cross section 0.3m x 0.75m for laying of connection pipe and service caution boards, traffic control etc., including cost of materials, hire fo labour charges etc. complete, but excluding the cost of cutting of cor etc., and as per the directions of the department officers. | kinds of soil with trench of averag pipe, lighting, watching, providin or tools, cost of consumables an |
| | Net Total Quantity | 9450.000 metre |
| | Say 9450.000 metre @ Rs 134.23 / metre | Rs 1268473.50 |
| 11 | 100.60.15.1.1 | |
| 12 | Providing additional length of house connection pipe using 20 mm of Conforming to IS 4984: 2016 or later edition and PN16 specials and the and refilling in all kinds of soil with trench of average cross section 0.3rd pipe and service pipe, lighting, watching, providing caution boards, tra- materials, hire for tools, cost of consumables and labour charges etc. of cutting of concrete / tarred / bituminous roads etc., and as per the direct Net Total Quantity Say 7200.000 metre @ Rs 143.35 / metre 100.59.1 Cutting the bituminous / concrete roads with cutting machine for a min sides of proposed alignment of the pipe to be laid without causing any of the charges for hire and conveyance of tools and plant, cost of const watching, ribbon fencing, caution boards, traffice diversion, and as po officers etc. complete, before carrying out the demolition of bituminous | esting the joints etc., by trenchin m x 0.75m for laying of connectio affic control etc., including cost of complete, but excluding the cost of ctions of the department officers. 7200.000 metre Rs 1032120.00 nimum depth of 200mm along the damage to other utilities, includin umables and charges for lighting per the direction of departmenta |
| | Providing additional length of house connection pipe using 20 mm of Conforming to IS 4984: 2016 or later edition and PN16 specials and the and refilling in all kinds of soil with trench of average cross section 0.3rd pipe and service pipe, lighting, watching, providing caution boards, tra- materials, hire for tools, cost of consumables and labour charges etc. of cutting of concrete / tarred / bituminous roads etc., and as per the direct Net Total Quantity Say 7200.000 metre @ Rs 143.35 / metre 100.59.1 Cutting the bituminous / concrete roads with cutting machine for a mir sides of proposed alignment of the pipe to be laid without causing any of the charges for hire and conveyance of tools and plant, cost of consu- watching, ribbon fencing, caution boards, traffice diversion, and as per officers etc. complete, before carrying out the demolition of bituminous means and carrying out the excavation. | esting the joints etc., by trenchin m x 0.75m for laying of connection affic control etc., including cost of complete, but excluding the cost of ctions of the department officers. 7200.000 metre Rs 1032120.00 mimum depth of 200mm along the damage to other utilities, including umables and charges for lighting per the direction of departmentation us / concrete road by mechanica |
| | Providing additional length of house connection pipe using 20 mm of Conforming to IS 4984: 2016 or later edition and PN16 specials and the and refilling in all kinds of soil with trench of average cross section 0.3r pipe and service pipe, lighting, watching, providing caution boards, tra- materials, hire for tools, cost of consumables and labour charges etc. of cutting of concrete / tarred / bituminous roads etc., and as per the direct Net Total Quantity Say 7200.000 metre @ Rs 143.35 / metre 100.59.1 Cutting the bituminous / concrete roads with cutting machine for a min sides of proposed alignment of the pipe to be laid without causing any of the charges for hire and conveyance of tools and plant, cost of consu- watching, ribbon fencing, caution boards, traffice diversion, and as per officers etc. complete, before carrying out the demolition of bituminous means and carrying out the excavation. | esting the joints etc., by trenchin m x 0.75m for laying of connectio affic control etc., including cost of complete, but excluding the cost of ctions of the department officers. 7200.000 metre Rs 1032120.00 nimum depth of 200mm along th damage to other utilities, includin umables and charges for lighting per the direction of departmenta us / concrete road by mechanica |
| | Providing additional length of house connection pipe using 20 mm of Conforming to IS 4984: 2016 or later edition and PN16 specials and the and refilling in all kinds of soil with trench of average cross section 0.3rd pipe and service pipe, lighting, watching, providing caution boards, tra- materials, hire for tools, cost of consumables and labour charges etc. of cutting of concrete / tarred / bituminous roads etc., and as per the direct Net Total Quantity Say 7200.000 metre @ Rs 143.35 / metre 100.59.1 Cutting the bituminous / concrete roads with cutting machine for a mir sides of proposed alignment of the pipe to be laid without causing any of the charges for hire and conveyance of tools and plant, cost of consu- watching, ribbon fencing, caution boards, traffice diversion, and as per officers etc. complete, before carrying out the demolition of bituminous means and carrying out the excavation. | esting the joints etc., by trenchin m x 0.75m for laying of connectio affic control etc., including cost of complete, but excluding the cost of ctions of the department officers. 7200.000 metre Rs 1032120.00 nimum depth of 200mm along th damage to other utilities, includin umables and charges for lighting per the direction of departmenta us / concrete road by mechanica 2372.000 metre Rs 80434.52 means and disposal of dismantle |
| 12 | Providing additional length of house connection pipe using 20 mm of Conforming to IS 4984: 2016 or later edition and PN16 specials and the and refilling in all kinds of soil with trench of average cross section 0.3rd pipe and service pipe, lighting, watching, providing caution boards, transmaterials, hire for tools, cost of consumables and labour charges etc. of cutting of concrete / tarred / bituminous roads etc., and as per the direct Net Total Quantity Say 7200.000 metre @ Rs 143.35 / metre 100.59.1 Cutting the bituminous / concrete roads with cutting machine for a min sides of proposed alignment of the pipe to be laid without causing any of the charges for hire and conveyance of tools and plant, cost of consumations watching, ribbon fencing, caution boards, traffice diversion, and as possible officers etc. complete, before carrying out the demolition of bituminous means and carrying out the excavation. Net Total Quantity Say 2372.000 metre @ Rs 33.91 / metre 15.59 Dismantling of flexible pavement (bituminous courses) by mechanical | esting the joints etc., by trenchin m x 0.75m for laying of connectio affic control etc., including cost of complete, but excluding the cost of ctions of the department officers. 7200.000 metre Rs 1032120.00 nimum depth of 200mm along the damage to other utilities, includin umables and charges for lighting per the direction of departmenta us / concrete road by mechanica 2372.000 metre Rs 80434.52 means and disposal of dismantle rge. |

| 14 | 15.2.1 | dian diananal of motorial within 50 |
|----|--|---|
| | Demolishing cement concrete manually / by mechanical means inclu- metres lead as per direction of Engineer - in-Charge.Nominal concrete design mix) | • |
| | Net Total Quantity | 29 625 cum |
| | Say 29.625 cum @ Rs 1482.71 / cum | Rs 43925.28 |
| 15 | 4.1.5 | |
| 15 | Providing and laying in position cement concrete of specified grade e shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand nominal size) | |
| | Net Total Quantity | 81.825 cum |
| | Say 81.825 cum @ Rs 7326.94 / cum | Rs 599526.87 |
| | Refilling the trenches with a wet mix of close graded granular manominal size - 17.5%, Stone aggregate - 10mm nominal size - 17. 12.5mm - 25%, Stone chippings / screenings - 4.75mm nominal size - 150 micron nominal size - 20%), mixing properly after adding suffillayers not exceeding 150mm, compacting properly at Optimum Mo Vibrator and disposing the excavated material etc. complete, includir boards and as per direction of Engineer-in-charge for road restoration | 5%, Crushed Stone - 2.36mm to 20%, Stone chippings / screenings cient quantity of water, refilling in isture Content with Surface Plate ng traffic control, providing caution |
| | Net Total Quantity | 5.850 cum |
| | Say 5.850 cum @ Rs 6187.24 / cum | Rs 36195.35 |
| 17 | 100.59.3 Restoring the road surfaces by providing and laying factory made cold mix in twolayers of 25mm thick (total 50mm thick), by cleaning the su dust/bebris/water etc, placing the premix, compacting properly with har traffic control, providing caution boards and as perdirection of Engin works in pipeline leak sites. | urface with brooms etc. to remove nd-rammer etc. complete, including |
| | Net Total Quantity | 11.700 sgm |
| | Say 11.700 sqm @ Rs 2364.71 / sqm | Rs 27667.11 |
| | od139159/2020 2021 | |
| 18 | Charges for Geo tagging and undertaking | |
| 18 | — | 1110.000 No |
| 18 | Charges for Geo tagging and undertaking | 1110.000 No Rs 22200.00 |
| | Charges for Geo tagging and undertaking Net Total Quantity | Rs 22200.00 |
| | Charges for Geo tagging and undertaking Net Total Quantity Say 1110.000 No @ Rs 20.00 / No | Rs 22200.00 nection (Cost Index:48.71 %) |

| | Say 1100.000 No @ Rs 513.33 / No | Rs 564663.00 |
|---|--|---|
| | 3App A - Part III - Road restoration charges (Cost Ind | lex:48.71 %) |
| 1 | od106421/2020_2021 Road restoration charges for Berm cutting as per G.O.(Ms)No.59/2020. | /PWD dtd 30/7/2020 |
| | Net Total Quantity | 737.000 sqm |
| | Say 737.000 sqm @ Rs 321.29 / sqm | Rs 236790.73 |
| 2 | od133973/2020_2021 Road restoration charges for cutting 20mm open graded chippin No.CE/R&B/ GL-RC/2/2019 Dated - 30.03.2019 | g carpet surface as per G.O(F |
| | Net Total Quantity | 265.320 sqm |
| | Say 265.320 sqm @ Rs 3090.57 / sqm | Rs 819990.03 |
| | Road restoration charges for BM & BC road surface as per G.O.(Ms)No | o.59/2020/PWD dated 30/7/2020 |
| | Net Total Quantity | 10.453 sqm |
| | Net Total Quantity Say 10.453 sqm @ Rs 3633.49 / sqm | 10.453 sqm Rs 37980.87 |
| 4 | | Rs 37980.87 |
| 4 | Say 10.453 sqm @ Rs 3633.49 / sqm | Rs 37980.87 (Cost Index:48.71 %) from existing AC / GI mains from PE Pipe, PE80, PN16, Conformite Brass specials viz. brass ferrue ouplers, GI / MS Service Saddle complete including trenching a nd trench of average cross section meter, lighting, watching, providion hire for tools, cost of consumable r meter with ISI mark and weath 50mm, but excluding charges for |
| | Say 10.453 sqm @ Rs 3633.49 / sqm 4App B - Part I - Connections from the pipe lines of ongoing schemess 100.60.14.4.2 Providing 15mm (1/2 inch) house connection with 15mm water meter 150mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) I to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, consuitable size etc. and connecting with the mains, testing the joints etc refilling in all kinds of soil up to a depth of 1.50m for main line tracing a 0.3m x 0.75m for laying connection pipe and service pipe, fixing water caution boards, traffic control etc. complete including cost of materials, and labour charges, including the cost of tested Class B Multijet water resistant PP / PE meter box of minimum size 300mm x 200mm x 1 | Rs 37980.87 (Cost Index:48.71 %) from existing AC / GI mains fro PE Pipe, PE80, PN16, Conformin Brass specials viz. brass ferru ouplers, GI / MS Service Saddle complete including trenching ar nd trench of average cross section meter, lighting, watching, providin hire for tools, cost of consumable r meter with ISI mark and weath 50mm, but excluding charges f ection of the departmental office |

| 2 | 100.60.13.4.2 | |
|---|---|--|
| | Providing 15mm (1/2 inch) house connection with 15mm water meter | [·] from existing AC / GI mains up to |
| | 125 mm dia., up to a length of 5m using 20mm (1/2 inch) PE Pipe, Pl | E80, PN16, Conforming to IS 4984: |
| | 2016 or later edition and PP PN 16 Compression / GM / Brass s | specials viz. brass ferrule, brass |
| | hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, cou | plers, GI / MS Service Saddle of |
| | suitable size etc. and connecting with the mains, testing the joints etc | . complete including trenching and |
| | refilling in all kinds of soil up to a depth of 1.50m for main line tracing a | - |
| | $0.3m \ge 0.75m$ for laying connection pipe and service pipe, fixing water | |
| | caution boards, traffic control etc. complete including cost of materials, | |
| | and labour charges, including the cost of tested Class B Multijet wate | |
| | resistant PP / PE meter box of minimum size 300mm x 200mm x 1 | |
| | cutting the concrete / tarred / bituminous roads etc, and as per the dir | - |
| | Net Total Quantity | 150.000 Nos |
| | Say 150.000 Nos @ Rs 6335.18 / Nos | Rs 950277.00 |
| 3 | 100.60.1.4.2 | |
| | Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) | water meter from existing AC / GI |
| | mains up to 125 mm dia., up to a length of 5 m using 20mm Indian | Standard Class 6 uPVC pipe and |
| | uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel valve | e, Elbow, MTA, FTA, couplers, GI / |
| | MS / SS Service Saddle of suitable size etc. and connecting with | the mains, testing the joints etc. |
| | complete including trenching and refilling in all kinds of soil up to a d | |
| | and trench of average cross section 0.3m x 0.75m for laying conne | |
| | water meter, lighting, watching, providing caution boards, traffic cont | |
| | materials, hire for tools, cost of consumables and labour charges, in | - |
| | Multijet water meter with ISI mark and weather resistant PP / PE me 200mm x 150mm, but excluding charges for cutting the concrete / tar | |
| | per the direction of the departmental officers. | |
| | | |
| | Net Total Quantity | |
| | Say 150.000 Nos @ Rs 5145.36 / Nos | Rs 771804.00 |
| 4 | 100.60.1.1.2 | |
| | Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) | water meter from existing PVC / |
| | HDPE mains up to 110 mm dia., up to a length of 5 m using 20mm Ir | |
| | and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel | · · · · · · |
| | PVC Service Saddle of suitable size etc. and connecting with the main | |
| | including trenching and refilling in all kinds of soil up to a depth of 1.5 | - |
| | of average cross section 0.3m x 0.75m for laying connection pipe ar lighting, watching, providing caution boards, traffic control etc. complete | |
| | for tools, cost of consumables and labour charges, including the co | U |
| | meter with ISI mark and weather resistant PP / PE meter box of r | |
| | 150mm, but excluding charges for cutting the concrete / tarred / bitu | |
| | direction of the departmental officers. | |
| | Net Total Quantity | 50.000 Nos |
| | Say 50.000 Nos @ Rs 5032.46 / Nos | Rs 251623.00 |

| 5 | 100.60.12.1.1 | |
|---|---|---|
| | Providing 15mm CP Brass Tap in the water meter assembly for 15m Standard Class 6 uPVC pipes and specials including cost of materia | - |
| | tools and labour charges etc. complete and as per the direction of d | |
| | Net Total Quantity | 500.000 Nos |
| | Say 500.000 Nos @ Rs 755.48 / Nos | Rs 377740.00 |
| 6 | 100.60.3.1.1 Providing additional length of house connection pipe using 20mm In and specials and testing the joints etc., by trenching and refilling in all cross section 0.3m x 0.75m for laying of connection pipe and service caution boards, traffic control etc., including cost of materials, hire for labour charges etc. complete, but excluding the cost of cutting of co- etc., and as per the directions of the department officers. | kinds of soil with trench of averag pipe, lighting, watching, providin or tools, cost of consumables an |
| | Net Total Quantity | 3000.000 metre |
| | Say 3000.000 metre @ Rs 134.23 / metre | Rs 402690.00 |
| | Conforming to IS 4984: 2016 or later edition and PN16 specials and and refilling in all kinds of soil with trench of average cross section 0.3 pipe and service pipe, lighting, watching, providing caution boards, the | m x 0.75m for laying of connection |
| | materials, hire for tools, cost of consumables and labour charges etc. cutting of concrete / tarred / bituminous roads etc., and as per the dire | · • |
| | | ctions of the department officers. |
| | cutting of concrete / tarred / bituminous roads etc., and as per the dire | ctions of the department officers. 3000.000 metre |
| 8 | cutting of concrete / tarred / bituminous roads etc., and as per the dire Net Total Quantity | ctions of the department officers. 3000.000 metre Rs 430050.00 ding disposal of material within 5 |
| 8 | cutting of concrete / tarred / bituminous roads etc., and as per the dire Net Total Quantity Say 3000.000 metre @ Rs 143.35 / metre 15.2.1 Demolishing cement concrete manually / by mechanical means inclu metres lead as per direction of Engineer - in-Charge.Nominal concrete | ctions of the department officers. 3000.000 metre Rs 430050.00 ding disposal of material within 5 e 1:3:6 or richer mix (i/c equivale |
| 8 | cutting of concrete / tarred / bituminous roads etc., and as per the dire Net Total Quantity Say 3000.000 metre @ Rs 143.35 / metre 15.2.1 Demolishing cement concrete manually / by mechanical means inclu metres lead as per direction of Engineer - in-Charge.Nominal concrete design mix) | ctions of the department officers. 3000.000 metre Rs 430050.00 ding disposal of material within 5 e 1:3:6 or richer mix (i/c equivale |
| 8 | cutting of concrete / tarred / bituminous roads etc., and as per the dire Net Total Quantity Say 3000.000 metre @ Rs 143.35 / metre 15.2.1 Demolishing cement concrete manually / by mechanical means inclu metres lead as per direction of Engineer - in-Charge.Nominal concrete design mix) Net Total Quantity | ctions of the department officers. 3000.000 metre Rs 430050.00 ding disposal of material within 5 e 1:3:6 or richer mix (i/c equivale 5.940 cum Rs 8807.30 excluding the cost of centering ar |
| | cutting of concrete / tarred / bituminous roads etc., and as per the dire Net Total Quantity Say 3000.000 metre @ Rs 143.35 / metre 15.2.1 Demolishing cement concrete manually / by mechanical means inclumetres lead as per direction of Engineer - in-Charge.Nominal concrete design mix) Net Total Quantity Say 5.940 cum @ Rs 1482.71 / cum 4.1.6 Providing and laying in position cement concrete of specified grade eshuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand | ctions of the department officers. 3000.000 metre Rs 430050.00 ding disposal of material within 5 e 1:3:6 or richer mix (i/c equivale 5.940 cum Rs 8807.30 excluding the cost of centering ar : 6 graded stone aggregate 40 m |
| | cutting of concrete / tarred / bituminous roads etc., and as per the dire Net Total Quantity Say 3000.000 metre @ Rs 143.35 / metre 15.2.1 Demolishing cement concrete manually / by mechanical means inclumetres lead as per direction of Engineer - in-Charge.Nominal concrete design mix) Net Total Quantity Say 5.940 cum @ Rs 1482.71 / cum 4.1.6 Providing and laying in position cement concrete of specified grade eshuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand nominal size) | ctions of the department officers. 3000.000 metre Rs 430050.00 ding disposal of material within 5 e 1:3:6 or richer mix (i/c equivale 5.940 cum Rs 8807.30 excluding the cost of centering ar : 6 graded stone aggregate 40 m |
| | cutting of concrete / tarred / bituminous roads etc., and as per the dire Net Total Quantity Say 3000.000 metre @ Rs 143.35 / metre 15.2.1 Demolishing cement concrete manually / by mechanical means inclumetres lead as per direction of Engineer - in-Charge.Nominal concrete design mix) Net Total Quantity Say 5.940 cum @ Rs 1482.71 / cum 4.1.6 Providing and laying in position cement concrete of specified grade et shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand nominal size) Net Total Quantity | ctions of the department officers. 3000.000 metre Rs 430050.00 ding disposal of material within 8 e 1:3:6 or richer mix (i/c equivale 5.940 cum Rs 8807.30 excluding the cost of centering ar : 6 graded stone aggregate 40 m 11.340 cum |
| 9 | cutting of concrete / tarred / bituminous roads etc., and as per the dire Net Total Quantity Say 3000.000 metre @ Rs 143.35 / metre 15.2.1 Demolishing cement concrete manually / by mechanical means inclu metres lead as per direction of Engineer - in-Charge.Nominal concrete design mix) Net Total Quantity Say 5.940 cum @ Rs 1482.71 / cum 4.1.6 Providing and laying in position cement concrete of specified grade e shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand nominal size) Net Total Quantity Say 11.340 cum @ Rs 7159.72 / cum | ctions of the department officers. 3000.000 metre Rs 430050.00 ding disposal of material within 8 e 1:3:6 or richer mix (i/c equivale 5.940 cum Rs 8807.30 excluding the cost of centering ar : 6 graded stone aggregate 40 m 11.340 cum |

| | Say 500.000 No @ Rs 20.00 / No | Rs 10000.00 |
|---|---|-----------------------------------|
| | 5App B - Part II - Street main extension for house connection | (Cost Index:48.71 %) |
| 1 | 18.12.6 Providing and fixing G.I. pipes complete with G.I fittings including tr work50 mm dia nominal bore | enching and refilling etc. Extern |
| | Net Total Quantity | 1740.000 metre |
| | Say 1740.000 metre @ Rs 509.63 / metre | Rs 886756.20 |
| 2 | 18.17.4 Providing and fixing gun metal gate valve with C.I. wheel of approvide nominal bore | red quality (screwed end) :50 m |
| | Net Total Quantity | 3.000 No |
| | Say 3.000 No @ Rs 1115.18 / No | Rs 3345.54 |
| 3 | 18.12.7 Providing and fixing G.I. pipes complete with G.I fittings including tr work65 mm dia nominal bore | enching and refilling etc. Extern |
| | Net Total Quantity | 2750.000 metre |
| | Say 2750.000 metre @ Rs 671.72 / metre | Rs 1847230.00 |
| 4 | 18.17.5 Providing and fixing gun metal gate valve with C.I. wheel of approvide the second s | red quality (screwed end) :65 n |
| | Net Total Quantity | 5.000 No |
| | Say 5.000 No @ Rs 1913.60 / No | Rs 9568.00 |
| 5 | 18.12.8 Providing and fixing G.I. pipes complete with G.I fittings including tr work80 mm dia nominal bore | enching and refilling etc. Extern |
| | Net Total Quantity | 1100.000 metre |
| | Say 1100.000 metre @ Rs 857.09 / metre | Rs 942799.00 |
| 6 | 18.17.6 Providing and fixing gun metal gate valve with C.I. wheel of approvint nominal bore | red quality (screwed end) :80 n |
| | Net Total Quantity | 1.000 No |
| | Say 1.000 No @ Rs 2854.49 / No | Rs 2854.49 |
| | · | Cost Index:48.71 %) |
| 1 | od139162/2020_2021 Charges for application fee, connection fee,meter testing fee etc for c m | - |
| _ | Net Total Quantity | 500 000 No |

| | Say 500.000 No @ Rs 513.33 / No | Rs | 256665.00 |
|---|---|--|--|
| | 7App B - Part IV - Road restoration charges (Cost Inde | ex:48.71 %) | |
| 1 | od106421/2020_2021 | | |
| | Road restoration charges for Berm cutting as per G.O.(Ms)No.59/2020/R | PWD dtd 30/7 | 7/2020 |
| | Net Total Quantity 1 | 147.400 sqm | |
| | Say 147.400 sqm @ Rs 321.29 / sqm | Rs | 47358.15 |
| 2 | od133973/2020_2021 Road restoration charges for cutting 20mm open graded chipping No.CE/R&B/ GL-RC/2/2019 Dated - 30.03.2019 | carpet surfa | ace as per G.O(|
| | Net Total Quantity | 18.240 sqm | |
| | Say 48.240 sqm @ Rs 3090.57 / sqm | Rs | 149089.10 |
| | | | |
| | Road restoration charges for concrete road surface as per G.O.(Ms) No. Net Total Quantity | 4.824 sqm | |
| | | 4.824 sqm | 23574.89 |
| | Net Total Quantity | 4.824 sqm | |
| | Net Total Quantity 4 Say 4.824 sqm @ Rs 4887.00 / sqm | 4.824 sqm Rs | 23574.89 |
| | Net Total Quantity 4 Say 4.824 sqm @ Rs 4887.00 / sqm C | 4.824 sqm Rs Total | 23574.89 19973681.92 |
| | Net Total Quantity 4 Say 4.824 sqm @ Rs 4887.00 / sqm C | 4.824 sqm Rs Total Centage @ ge Amount | 23574.89 19973681.92 0.0% |
| | Net Total Quantity 4 Say 4.824 sqm @ Rs 4887.00 / sqm C Centag | 4.824 sqm Rs Total Centage @ ge Amount s (in %) @ | 23574.89 19973681.92 0.0% 0.00 |
| | Net Total Quantity 4 Say 4.824 sqm @ Rs 4887.00 / sqm C Centag Kerala W Provision for GST payments Amount reserved for GST | 4.824 sqm Rs Total Centage @ ge Amount s (in %) @ | 23574.89 19973681.92 0.0% 0.00 12.0% |
| | Net Total Quantity 4 Say 4.824 sqm @ Rs 4887.00 / sqm C Centag Kerala W Provision for GST payments Amount reserved for GST | 4.824 sqm Rs Total Centage @ ge Amount s (in %) @ payments & Centage | 23574.89 19973681.92 0.0% 0.00 12.0% 2396841.83 |
| | Net Total Quantity 4 Say 4.824 sqm @ Rs 4887.00 / sqm C Centag Kerala W Ptovision for GST payments Amount reserved for GST Total 8 | 4.824 sqm Rs Total Centage @ ge Amount s (in %) @ payments & Centage r round off | 23574.89 19973681.92 0.0% 0.00 12.0% 2396841.83 22370523.76 |
| | Net Total Quantity 4 Say 4.824 sqm @ Rs 4887.00 / sqm C Centag Kerala W Provision for GST payments Amount reserved for GST Total & Lumpsum fo GRAND T | 4.824 sqm Rs Total Centage @ ge Amount s (in %) @ payments & Centage r round off FOTAL Rs | 23574.89 19973681.92 0.0% 0.00 12.0% 2396841.83 22370523.76 9476.24 |