

**1 JOB**

| <b>Name Of Work:- Working estimate for Providing functional house hold tap (FHTC) connection in village Patta Jatian, Jhumb Khas, Takoli etc.through proposed LWSS Patta Jatian in Tehsil Fatehpur Distt. Kangra (HP) under "JAL - JEEVAN-MISSION" (SH:- Providing Laying, Jointing and testing of G.I. pipe 80 mm dia from Node-3 to 4 RD= 2118/0 to RD 1850= 1850 mtr (Tank to Tank line) (Phase- 1st).</b> |  |                 |             | <b>Estimate Cost:</b> | <b>372016.00</b> |
|---|--|-----------------|-------------|-----------------------|------------------|
|   |  |                 |             | <b>Earnest Money:</b> | <b>7440.00</b>   |
|   |  |                 |             | <b>Time Limt:</b>     | <b>30 days</b>   |
| <b>Sr. No.</b>  | <b>Description of Item</b>   | <b>Quantity</b> | <b>Unit</b> | <b>Rate</b>           | <b>Amount</b>    |
| 1   | Excavation in foundation and trenches etc., for pipes and pits upto all depth etc., in all kinds of soil such as pick work, jumper work, blasting work and soft and hard rocks, chiseling work/wedging out of rocks (where blasting is prohabitted) and saturated soil, stacking the excavated earth within all leads and lifts with clear from the edge of excavation and then returnng the stacked soil in 15cm layers when required into plinths sides of foundations and trenches etc., consolidating of all surplus excavated earth as directed by the Engineer-in-charge within all leads, lifts including up rooting of trees, dressing of bed and sides and preparation of sub-grade, providing diversion for traffic night signals fixing caution boards, crossings over trenches for access to houses complete and to the entire satisfaction of Engineer-in-charge.   | 638.25          | cum         |                       |                  |
| 2   | Laying in trenches to be levllled to grade, BIS marked GI flanged pipes confirming to BIS:1239(latest with up to date ammendments ) of nominal size 80mm dia (Medium class) duly flanged to be welded after 36.00 mtr. interval of pipe with intermediate butt welded joints including the cost of flanges bends/short pieses made from parent tubes of diferent degrees cutting welding jointing with flanges confirming to tables as specified below of BIS:6392 (latest with upto date ammendments ) welded at both ends as per BIS /816 (latest with -uptodate ammendments)with electrodes confirming to BIS 814 (latest with -uptodate ammendments)and provided nuts & bolts BIS 1379( latest with -uptodate ammendments)of required sizes 4 mm thick champion make compressed asbestos fiber gasket or synthetic rubber gasket confierming to BIS 2712 (latest with -uptodate ammendments)and approved specification as per site condition including flushing cleaning and hydrolic and testing complete to the best specification of engineer- in-charge. | 1850.00         | Rmt         |                       |                  |
| 3   | Providing welding and fixing of MS Flanges 80mm dia confirming to IS:6392-1971(Latest with upto date ammendments) and welding of MS Flanges with G.I. Pipes/MSERW pipes in three layers on both faces to make th joint leake proof (The cost of providing and laying of G.I.Pipes/MSERW Pipe to be mesured and paid sepatately). The welding of flanges should confirm to IS 816-1969 with electrodes as per IS 814-1991 and required number of nuts and bolts confirming to IS:1364. The thickness of gasket not less than 3.00 mm confirming to IS:2712-1998. The work shall be done as per entire satisfaction of Engineer in charge with in all leads and lifts (MS Flange to be welded after 36 mtr interval of pipe).  | 51.00           | mtr         |                       |                  |
| 4   | Providing circumferential butt welding by electric arc welding to 80mm diameter GI pipe as per IS: 3589-2001 of Grade FE-330 having following wall thickness, welded in requisite number of weld runs as achieve the minimum effective throat thickness of weld confirming to IS: 816-1991 specification by using welding electroads of 2.50mm to 6.30 mm of advani oerlikon (Adore)- CITOJET/ESAB make, confirming to IS 814-1991 at site of work complete in all repect, including manual/mechanical handling of pipes in all leads and lifts to the entire satisfaction of Engineer in Charge.  | 23220.00        | mtr         |                       |                  |
|   |  |                 |             | <b>Total=</b>         |                  |

**Term and Conditions:-**

1. The work shall be executed as per HPPWD/IPH Specification.
2. NOTHING SHOULD BE PAID FOR REJECTED MATERIAL/ WORK.
3. GST, income tax, Security and labour cess will be deducted from each running bill as per rules. GST WILL BE DEDUCTED AS PER RULES.
4. The pipe shall be issued free of cost against proper indent at divisional store Fatehpur.

**2 JOB**

| <b>Name Of Work:- Providing functional house hold tap (FHTC) connection in village Patta Jatian, Jhumb Khas, Takoli etc.through proposed LWSS Patta Jatian in Tehsil Fatehpur Distt. Kangra (HP) under "JAL -JEEVAN-MISSION" (SH:- Providing Laying, Jointing and testing of G.I. pipe 80 mm dia from Node-5 to 107 RD= 1968/0 to 1190= 1190 mtr and 65mm dia from Node-4 to 79 RD – 1850/0 to 2040= 2040 for providing functional household tap connection Phase- 1<sup>st</sup>).</b> |   |                 |             | <b>Estimate Cost:</b> | <b>372717.00</b> |
|---|---|-----------------|-------------|-----------------------|------------------|
|   |   |                 |             | <b>Earnest Money:</b> | <b>7454.00</b>   |
|   |   |                 |             | <b>Time Limt:</b>     | <b>30 days</b>   |
| <b>Sr. No.</b>  | <b>Description of Item</b>  | <b>Quantity</b> | <b>Unit</b> | <b>Rate</b>           | <b>Amount</b>    |
| 1   | Excavation in foundation, trenches etc. in earth work, in all kinds of soil such as pick work, jumper work, blasting work in hard /materials not more than 3 meters clear from the edge of excavation and then returning the stacked excavated soil in all layers when required into plinths sides of foundation etc. consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth eith in all leads and lifts. | 1114.35         | cum         |                       |                  |
| 2   | Laying jointing and testing of Galvanised Mild Steel Tubes (LG) including fittings such as union Tee nipples elbow etc. ( earth work in trenches, making connection & P/ F of GMS peet valves, sluice valves and unions etc. to be measured and paid separately ) as per direction and satisfaction of engineer in charge of the following nominal bore.  |                 |             |                       |                  |
| i   | 80mm dia from RD 1968/0 to 1190   | 1190.00         | Rmt         |                       |                  |
| ii  | 65mm dia from RD 1850/0 to 2040   | 2040.00         | Rmt         |                       |                  |
| 3   | Making connection GI pipe i.e from existing line including the cost of cutting welding threading and P/F necessary GI fitting such as union, Tees, Nipples etc. at site complete confirming to ISI specification.   |                 |             |                       |                  |
| i   | 80mm dia  | 2.00            | Each        |                       |                  |
| ii  | 65mm dia  | 2.00            | Each        |                       |                  |
|   |   |                 |             | <b>Total=</b>         |                  |

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4. The pipe shall be issued free of cost against proper indent at divisional store Fatehpur.

### 3 JOB

| <b>Name Of Work:- Providing Functional Household Tap (FHTC) Connection in Villages Fatehpur Sunhara Bhattian etc. through proposed LWSS Fatehpur Sunhara in Tehsil Fatehpur Distt.Kangra HP under “JAL JEEWAN MISSION (SH:- Laying Jointing and testing of GI pipe 50mm dia from Node 2 to 6= 2200 mtr, GI pipe 50mm dia from Node-2 to 10= 450 Rmt, GI pipe 50mm dia from Node- 5 to 70= 800 mtr, GI pipe 40mm dia from Node-21 to 22= 1310 mtr and making connections with existing distribution system in village Khadlo, Mangloin and Sunhara.</b> |   |          |      | <b>Estimate Cost:</b> |        | <b>493808.00</b> |
|--|---|----------|------|-----------------------|--------|------------------|
|  |   |          |      | <b>Earnest Money:</b> |        | <b>9876.00</b>   |
|  |   |          |      | <b>Time Limt:</b>     |        | <b>30 days</b>   |
| Sr. No.  | Description of Item   | Quantity | Unit | Rate                  | Amount |                  |
| 1  | Excavation in foundation, trenches etc. in earth work, in all kinds of soil such as pick work, jumper work, blasting work in hard /materials not more than 3 meters clear from the edge of excavation and then returning the stacked excavated soil in all layers when required into plinths sides of foundation etc. consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth eith in all leads and lifts. | 1499.40  | cum  |                       |        |                  |
| 2  | Laying jointing and testing of Galvanised Mild Steel Tubes (LG) including fittings ( earth work in trenches to be measured and paid separately ) as per direction and satisfaction of engineer in charge of the following nominal bore.   |          |      |                       |        |                  |
| i  | 50mm dia  | 3450.00  | Rmt  |                       |        |                  |
| ii   | 40mm dia  | 1310.00  | Rmt  |                       |        |                  |
| 3  | Providing and fixing of G.I. unions heavy Duty ISI Marked complete fixing at site complete in all respects within all leads anf lifts as per direction and satisfaction of engineer in charge.  |          |      |                       |        |                  |
| i  | 50mm dia  | 18.00    | Each |                       |        |                  |
| ii   | 40mm dia  | 8.00     | Each |                       |        |                  |
| 4  | Providing and fixing of GM peet valve of various dia heavy Duty ISI complete fixing at site complete in all respects within all leads anf lifts as per direction and satisfaction of engineer in charge.  |          |      |                       |        |                  |
| i  | 50mm dia  | 2.00     | Each |                       |        |                  |
| ii   | 40mm dia  | 2.00     | Each |                       |        |                  |
| 5  | Making connection GI pipe 50mm dia and 40mm dia with existing distribution system of various dia GI pipe including the cost of P/F GI Tees, Bends, Nipples Union etc. at site complete confirming to ISI specification.   | 4.00     | Job  |                       |        |                  |
|  |   |          |      | <b>Total=</b>         |        |                  |

**Term and Conditions:-**

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2. NOTHING SHOULD BE PAID FOR REJECTED MATERIAL/ WORK.
3. GST, income tax, Security and labour cess will be deducted from each running bill as per rules. GST WILL BE DEDUCTED AS PER RULES.
4. The pipe shall be issued free of cost against proper indent at divisional store Fatehpur.

**4 JOB**

| <b>Name Of Work:- Providing Functional Household Tap (FHTC) connection in villages Khor, Nigal, Anoh, Barla, Kohlari etc. through proposed LWSS Khor Nigal in Tehsil Fatehpur Distt. Kangra H.P. (SH:- Laying, Jointing and testing of G.I. pipe 32mm dia from Node-8 to Node-9 &amp; RD 1800-2100=300 mtr., 32 mm dia from Node-9 to node-10 &amp; RD 2100-2250=150 mtrs.,50 mm dia from Node-12 to Node-13 &amp; RD 1800-1950=150 mtrs., 32 mm dia from Node-13 to Node-14 &amp; RD 1950-2100=150 mtrs., 32 mm dia from Node-14 to Node-15 &amp; RD 2100-2200=100 mtrs.,40 mm dia from Node16-Node-17 &amp; RD 740-890=150 mtrs.,25 mm dia from Node-17 to Node-19 &amp; RD 0-270=270 mtrs.,32 mm dia from Node-20 to Node-21 &amp; RD 1203-1650=447 mtrs., 32 mm dia from Node-21 to Node-22 &amp; RD 1650-2350=700 mtrs.,32mm dia from Node-23 to Node-24 &amp; RD 260-570=310mtrs., 32 mm dia from Node-26 to Node-27 &amp; RD 2690-3340=650 mtrs.,40 mm dia from Node-4 to Node-30 &amp; RD 0-780=780 mtrs.,32 mm dia from Node-30 to Node-31 &amp; RD 780-1300=520 mtrs.,25 mm dia from Node-31 to Node-32 &amp; RD 1300-1700=400 mtrs.,40 mm dia from Node-30 to Node-33 &amp; RD 0-580 =580 mtrs.</b> |   |          |      | <b>Estimate Cost:</b> |        | <b>407468.00</b> |
|--|---|----------|------|-----------------------|--------|------------------|
|  |   |          |      | <b>Earnest Money:</b> |        | <b>8149.00</b>   |
|  |   |          |      | <b>Time Limt:</b>     |        | <b>30 days</b>   |
| Sr. No.  | Description of Item   | Quantity | Unit | Rate                  | Amount |                  |
| 1  | Excavation in foundation, trenches etc. in earth work, in all kinds of soil such as pick work, jumper work, blasting work in hard /materials not more than 3 meters clear from the edge of excavation and then returning the stacked excavated soil in all layers when required into plinths sides of foundation etc. consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth eith in all leads and lifts. | 1116.32  | cum  |                       |        |                  |
| 2  | Providing laying jointing and testing of Galvanised Mild Steel Tubes (LG) including fittings such as union Tee nipples elbow etc. ( earth work in trenches, making connection & P/ F of GMS peet valves, sluice valves and unions etc. to be measured and paid separately ) as per direction and satisfaction of engineer in charge of the following nominal bore.  |          |      |                       |        |                  |
| i  | 50mm dia  | 150.00   | Rmt  |                       |        |                  |
| ii   | 40mm dia  | 1510.00  | Rmt  |                       |        |                  |
| iii  | 32mm dia  | 3327.00  | Rmt  |                       |        |                  |
| iv   | 25mm dia  | 670.00   | Rmt  |                       |        |                  |
| 3  | Providing and fixing of G.I. unions heavy Duty ISI Marked as per relevant IS standards latest with up to date ammendments if any complete in all respects within all leads anf lifts as per direction and satisfaction of engineer in charge.   |          |      |                       |        |                  |
| i  | 50mm dia  | 2.00     | Each |                       |        |                  |
| ii   | 40mm dia  | 12.00    | Each |                       |        |                  |
| iii  | 32mm dia  | 35.00    | Each |                       |        |                  |
| iv   | 25mm dia  | 10.00    | Each |                       |        |                  |
| 4  | Providing and fixing of G.M.S. peet valve heavy Duty ISI Marked as per relavent IS standards latest with up to date ammendments if any complete in all respects within all leads anf lifts as per direction and satisfaction of engineer in charge.   |          |      |                       |        |                  |
| i  | 50mm dia  | 2.00     | Each |                       |        |                  |
| ii   | 40mm dia  | 4.00     | Each |                       |        |                  |
| iii  | 32mm dia  | 12.00    | Each |                       |        |                  |
| iv   | 25mm dia  | 6.00     | Each |                       |        |                  |

|     |   |      |      |               |  |
|-----|---|------|------|---------------|--|
| 5   | Providing and fixing of G.I. Reducer heavy Duty ISI Marked as per relevant IS standards latest with up to date amendments if any complete in all respects within all leads and lifts as per direction and satisfaction of engineer in charge. |      |      |               |  |
| i   | 50 mm x 40 mm   | 2.00 | Each |               |  |
| ii  | 40 mm x 32 mm   | 3.00 | Each |               |  |
| iii | 32 mm x 25 mm   | 4.00 | Each |               |  |
| iv  | 50 mm x 32 mm   | 2.00 | Each |               |  |
| v   | 40 mm x 25 mm   | 4.00 | Each |               |  |
|     |   |      |      | <b>Total=</b> |  |

**Term and Conditions:-**

5. The work shall be executed as per HPPWD/IPH Specification.
6. NOTHING SHOULD BE PAID FOR REJECTED MATERIAL/ WORK.
7. GST, income tax, Security and labour cess will be deducted from each running bill as per rules. GST WILL BE DEDUCTED AS PER RULES.
8. The pipe shall be issued free of cost against proper indent at divisional store Fatehpur.

**5 JOB**

| Name Of Work:- Construction of water quality test laboratory (WQMSP) at Fatehpur in Tehsil Fatehpur Distt. Kangra (HP)<br>(SH:- SH :- Supply of Glassware for Water Testing Lab of Jal Shakti Vibhag Division Fatehpur). |   |          | Estimate Cost: |      | 160746.00 |
|--|---|----------|----------------|------|-----------|
|  |   |          | Earnest Money: |      | 3215.00   |
|  |   |          | Time Limit:    |      | 15 days   |
| SN   | Description of Item                         | Quantity | Unit           | Rate | Amount    |
|  | Supply of Glassware of Borosil Make         |          | Each           |      |           |
| 1i   | Conical Flask 100ml                         | 20.00    | Each           |      |           |
| 1ii  | Conical Flask 250ml                         | 10.00    | Each           |      |           |
| 1iii   | Conical Flask 500ml                         | 6.00     | Each           |      |           |
| 1iv  | Conical Flask 1000ml                        | 3.00     | Each           |      |           |
| 2i   | Beaker 100ml                                | 20.00    | Each           |      |           |
| 2ii  | Beaker 250ml                                | 10.00    | Each           |      |           |
| 2iii   | Beaker 500ml                                | 6.00     | Each           |      |           |
| 2iv  | Beaker 1000ml                               | 5.00     | Each           |      |           |
| 2v   | Beaker 2000ml                               | 5.00     | Each           |      |           |
| 3i   | Pipette 5ml Class A                         | 4.00     | Each           |      |           |
| 3ii  | Pipette 10ml Class A                        | 4.00     | Each           |      |           |
| 3iii   | Pipette 25ml Class A                        | 2.00     | Each           |      |           |
| 4i   | MicroPipette 1ml Class A with tip injector  | 2.00     | Each           |      |           |
| 4ii  | MicroPipette 5ml Class A with tip injector  | 2.00     | Each           |      |           |
| 4iii   | MicroPipette 10ml Class A with tip injector | 2.00     | Each           |      |           |
| 4iv  | MicroPipette 25ml Class A with tip injector | 2.00     | Each           |      |           |
| 5i   | Burette 50ml                                | 2.00     | Each           |      |           |
| 5ii  | Burette 100ml                               | 1.00     | Each           |      |           |
| 6  | Desiccator 150mm                            | 1.00     | Each           |      |           |
| 7  | Reagent Bottle 500ml                        | 10.00    | Each           |      |           |
| 8i   | Sample Bottle 250ml                         | 10.00    | Each           |      |           |
| 8ii  | Sample Bottle 500ml                         | 10.00    | Each           |      |           |
| 9  | Test Tube 10ml                              | 100.00   | Each           |      |           |
| 10   | Durham Tubes 25x5mm                         | 10.00    | Each           |      |           |
| 11   | Round Bottom Flask 250ml                    | 4.00     | Each           |      |           |
| 12i  | Measuring Cylinder Graduated 10ml Class A   | 4.00     | Each           |      |           |
| 12ii   | Measuring Cylinder Graduated 50ml Class A   | 4.00     | Each           |      |           |
| 12iii  | Measuring Cylinder Graduated 100ml Class A  | 4.00     | Each           |      |           |
| 13i  | Funnel 3" Dia                               | 2.00     | Each           |      |           |
| 13ii   | Funnel 4" Dia                               | 2.00     | Each           |      |           |
| 14   | Crucibles 50ml                              | 2.00     | Each           |      |           |
| 15   | Glass Rods 7 x 150mm                        | 10.00    | Each           |      |           |
| 16   | Glass Bead 500gm                            | 1.00     | Each           |      |           |
| 17i  | Thermometers 100deg.C.                      | 2.00     | Each           |      |           |

|      |   |        |      |  |               |
|------|---|--------|------|--|---------------|
| 17ii | Thermometers 250deg.C.  | 2.00   | Each |  |               |
| 18   | Petridishes 50 x 17mm   | 30.00  | Each |  |               |
| 19   | Providing Burette 50ml Capacity Borosilicate with Stand complete job in all respects as per the entire satisfaction of the Engineer-in -charge. | 6.00   | Each |  |               |
| 20   | Bottles narrow mouth with flat head interchangeable stopper made of superior Indian Soda glass-Capacity 250ml.                                  | 100.00 | Each |  |               |
| 21   | Nessfer cylinder for colour comparison borosil glass-Capacity 50ml.   | 40.00  | Each |  |               |
| 22   | 6 Nos. Wash bottle N.M., LDPE 500ml TARSONS   | 1.00   | Each |  |               |
| 23   | 6 Nos Wash bottle N.M., LDPE 1000ml TARSONS   | 1.00   | Each |  |               |
| 24   | 6 Nos Draining Tray PC 40x30x10cm TARSONS   | 1.00   | Each |  |               |
| 25   | Rotary pipette stand vertical places 94 TARSONS   | 2.00   | Each |  |               |
| 26   | Test Tube Baskets 160x160x160mm   | 6.00   | Each |  |               |
| 27   | Test Tube Basket 140x120x110mm  | 6.00   | Each |  |               |
| 28   | Pipette Stand Horizontal PP   | 2.00   | Each |  |               |
| 29   | Pipette Stand Horizontal PP   | 2.00   | Each |  |               |
| 30   | Burette Stand with clamp (super)  | 3.00   | Each |  |               |
| 31   | test Tube Brush nylon Sup.  | 2.00   | Each |  |               |
| 32   | Burette Brush,Nylon   | 2.00   | Each |  |               |
| 33   | Brush Bottle Nylon  | 2.00   | Each |  |               |
| 34   | Spatula S.S.6" Heavy  | 2.00   | Each |  |               |
| 35   | Rubber Gloves(Pair)   | 4.00   | Each |  |               |
|      |   |        |      |  | <b>Total=</b> |

**Term and Conditions:-**

1. The work will be carried out as per IPH/JSV specifications including all leads, lifts and loading, unloading, packing charges etc.
2. The rates should be inclusive of all taxes, freight charges etc. nothing shall be paid extra.
3. Work shall be started within 15 days after the award of the work.
4. The firm shall supply the manufacturer's manual of O&M of these equipments and list of spares including periodical maintenance schedule along with list of.
5. Guarantee: Guarantee of One year from the date of completion of work. In case any defect is found within guarantee period, the same will be repaired .
6. After sale, service i.e. warranty / Guarantee should be properly ensured by the bidder and proof to this effect be attached.
7. Normally only a registered contractor can work in IPH/JSV department but if not so, the bidding contractor shall get himself registered in appropriate class if he is.
8. No extra / substitute item will be allowed for the completion of this work without prior approval.
9. For any delay in execution of work beyond the time period or breakdown during the guarantee period 0.1% of the total cost shall be deducted for each day of.
10. The equipments shall conform to specification as per CPHEEO manual, Implementation manual of National Rural Water Quality Monitoring and Surveillance.
11. The specifications in respect of purpose to be served by the apparatus/ equipments, bearing range of the equipments configured in the schedule of quantities.
12. 80% of the payment shall be released after physical delivery of material in laboratory and balance shall be released after installation, calibration, testing and.
13. Nothing shall be paid for damaged or undelivered material to the firm in any condition..
14. The supplier shall install the equipments in the laboratory and shall be responsible for calibration, testing and commissioning of the same to the entire.
15. All equipments shall carry a replacement warranty of one year minimum or as specified by the manufacturer.
16. A certificate from the original manufacturer be attached to own the responsibility from the selected bidder for the execution of contract until its tenure.
17. Selected bidder has to ensure availability of spare parts and service maintenance for at least five years on payment of cost if applicable (List/ cost).
18. If during the warranty period, any system as a whole or any sub system has any failure on two or more occasions in a period of three months, it shall be replaced.
19. The vendor should be original manufacture of the equipments or authorized supplier / representative in India.
20. 10% security, income tax and GST will be deducted from each running bill of the contractor.
21. 1% labour cess charges will be deducted from the contractor bill.
22. The validity of tender shall be 60 days from the date of the opening of the tender.

23. The warranty / Guarantee should be properly ensured by the bidder & proof to this effect be attached.