

Job No.1**SCHEDULE OF QUANTITY**

Name of work:- Imp. and Aug. of LWSS for Village Guer and Haripur in tehsil Dehra Distt. Kangra (HP)
 (Sub-Head:- C/O RCC collection tank of 65000 Ltr. Cap. Node No. 10 Phase Ist).

Estimated cost:-Rs. 277008/-
 Earnest money:-Rs. 5540/-
 Time limit:- Three months.

| Sr. No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|---------|--|---------------|-------------|-------|-------------------|--------|
| | | | Figures/ | Words | | |
| 1 | Excavation in foundation, trenches etc. in earth work in all kinds of soil lift upto all height, stacking the excavated soil not more then 3 mtrs. clear from the edge of excavation & then returning the stacked soil in 15cm layers when required into plinth sides of foundation etc. | 44.64 Cum | | | Per cubic meter. | |
| 2 | Providing and laying cement concrete 1:3:6(One cement :three sand : six graded stone aggregate 40mm nominal size and curing complete excluding the cost of centering & shuttering in foundation and plinth within all leads and lifts. | 2.78 Cum | | | Per cubic meter. | |
| 3 | Providing and laying cement concrete 1:1.5:3 (One cement:one & half sand:three graded stone aggregate 20mm nominal size) and curing complete excluding the cost of form work and | | | | | |
| a) | Foundation, footing bases of columns and the like and mass concrete within all leads and lifts . | 5.56 Cum | | | Per cubic meter. | |
| b) | Wall (any thickness but not less than 0.10 mtrs.thickness) attached pillasters, buttresses plinth & string courses etc. from top of foundation level upto floor two level within all leads and lifts. | 12.10 Cum | | | Per cubic meter. | |
| c) | Suspended floor, roofs, landing & shelves & their support balconies, beams, girder, bressumers & cantilever upto floor level. | 3.77 Cum | | | Per cubic meter. | |
| 4 | Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm, so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battons and ballies, height of propping and centring below supporting floor to | | | | | |
| a) | Vertical surface such as walls (any thickness) partitions and the like including attached pillasters,buttresses, plinth and string courses and the like within all leads and lifts. | 121.02 Sqm | | | Per square meter. | |
| b) | Flat surfaces such as soffits of suspended floor, roofs, landings and the like floor etc. upto 200mm thickness within all leads and lifts. | 23.12 Sqm | | | Per square meter. | |
| 5 | Providing in RCC work smooth finishing of the exposed surface with cement motor 1:3(One cement:Three sand) within all leads and lifts. | 120.53 Sqm | | | Per square meter. | |

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| Sr. No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|---------|--|-----------------|-------------|-------|----------|--------|
| | | | Figures/ | Words | | |
| 6 | Providing tor steel reinforcement for RCC work including bending, binding and placing in position complete upto floor two level within all leads and lifts . | 1189.38 Kgs. | | | Per Kgs. | |

| | | | | | | |
|----|---|---------------|--|--|------------|--|
| 7 | Steel work welded in built up sections, trusses & framed work including cutting, hoisting and fixing in position and applying a priming coat of red paint:- In grating, framed, guards bars, ladders,railing, brackets & similar works within all leads and lifts. | 60.32 Kgs. | | | Per Kg. | |
| 8 | Laying in trenches GMS pipe (L/M class) tube fitting of following dia (earth work in trenches to be measured and paid for separately) complete within all leads and lifts . | | | | | |
| | i) 100mm dia | 21.00 Rmt. | | | Per Rmt | |
| 9 | Providing & fixing of Kirloskar/Leader make Cast Iron sluice valve of following dia Class-PN-1.0 with M.S.flange table-5 conforming to IS:780-1984 latest with upto date ammendments having seat pressure 10.20Kg./cm ² including nut, bolts and gasket sheet within all leads and | | | | | |
| | i) 100mm dia | 4.00 Nos. | | | Each | |
| 10 | Constructing chamber for sluice valve, with C.I.surface box 100mm top dia,160mm bottom dia & 180mm deep(inside) with chained lid RCC top 1:2:4 mix (One cement : Two sand :Four graded stone aggregate 20mm nominal size)100mm thick foundation concrete 1:5:10 (One | 3.00 Nos. | | | Each | |
| 11 | Providing and fixing of precast concrete SFRC manhole cover with internal frame & cover system conforming to IS specifications code-12592-Part-I & II with latest ammendments having size of 560mm internal dia within all leads and lifts. | 2.00 Nos. | | | Each | |

Total:-

TERMS & CONDITIONS.

- 1 The work shall be executed as per PWD/IPH specifications.
- 2 Security, sale tax & Income tax shall be deducted from the bill as per prevalent rules.
- 3 Nothing shall be paid for rejected work/material.
- 4 The cement and steel shall be issued by the Department @ Rs.267/- per bag and Steel @ Rs.5046/ per quintal from Divisional Store Dehra.
- 5 The G.I.pipe will be issued free of cost from Divisional Store Dehra.
- 6 1% cess on account of building and other construction workers as per Act-1996.
- 7 The final payment made to the contractor after completion of work and to the entire satisfaction of Engineer-in-Charge.

Job No2**SCHEDULE OF QUANTITY**

Estimated cost:-Rs. 193702/-

Name of work:- Providing distribution system for Tube well at Adhwani, Dol Adhwani, Bangehar & Digger in Tehsil Jawalamukhi District Kangra (H.P)

Earnest money:-Rs. 3875/-

Time limit:- Three months.

(Sub-Head:- Laying, jointing & testing of Rising main at Tube well Adhwani & Dol Adhwani)

| Sr. No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|-----------------------------|---|----------------|-------------|-------|------------------------|--------|
| | | | Figures/ | Words | | |
| 1 | Excavation in foundations ,trenches etc. (in pipes and pits) in all kinds of soils such as pick work, jumper work, blasting in soft/hard rock, chiselling/wedging out of rock/ where blasting work is prohibited saturated soil stcking the excavated earth within all leads and lifts clear from | 456.30 Cum | | | Per cubic meter. | |
| 2 | Laying , jointing & testing of bevelled ended G.I.pipe with circumferential butt welded joints where ever required by electrical arc welding (welding thickness shall be equal to pipe wall thickness)and testing of G.I.pipe make of following dia meters confirming to IS-1239-1990 (part- less than five times the dia of pipe. The welding electrodes shall be as per IS-814 of Advani Orelikon/L&T of Isl marked make. The damaged portion of the pipes (if damaged during laying | | | | | |
| Tube well at Adhwani | | | | | | |
| i) | G.M.S. pipe (Medium class) 125mm dia Table-5 from RD-0 to RD-30 | 30.00 Rmt. | | | Per Rmt. | |
| ii) | G.M.S. pipe (Medium class) 125mm dia Table-5 from RD-30 to RD-270 | 240.00 Rmt. | | | Per Rmt. | |

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| Sr. No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|---------------------------------|--|----------------|-------------|-------|-------------|--------|
| | | | Figures/ | Words | | |
| Tube well at Dol Adhwani | | | | | | |
| i) | G.M.S. pipe (Medium class) 150mm dia Table-5 from RD-0 to RD-30 | 30.00 Rmt. | | | Per Rmt. | |
| ii) | G.M.S. pipe (Medium class) 150mm dia Table-5 from RD-30 to RD-510 | 480.00 Rmt. | | | Per Rmt. | |
| 3 | Providing M.S. flanges (in pairs) for the joints of G.I. pipes mentioned as below and same shall conform to BIS-6392-1971 (latest with upto date ammendments) including the cost of nuts and bolts of required sizes, 3mm thick compressed asbestos fiber/synthetic rubber gaskets | | | | | |
| Tube well at Adhwani | | | | | | |
| i) | G.I.pipe 125mm dia Flange Table-5 (Booster stage) | 3.00 paris | | | Per pair | |
| Tube well at Dol Adhwani | | | | | | |
| i) | G.I.pipe 150mm dia Flange Table-5 (Booster stage) | 5.00 paris | | | Per pair | |

Total:-

TERMS AND CONDITIONS.

- 1 The work will be carried out as per HPIPH specification and to the entire satisfaction of the Engineer-in-Charge.
- 2 Security, Income tax, sale tax and surcharge as applicable under various clause of form PW 6 & 8 will be deducted from the each running bill of the contractor.
- 3 The final payment will be made to the contractor after completion of work and testing of pipe line at site of work.
- 4 The rates for all items should be inclusive of the carriage of all material within all leads and lifts to the site of work by all means of transport i.e. on rails by road and head load.
- 5 Bends of required degrees shall be fabricated from parent pipe and shall have minimum three cuts with a bending radius of five times pipe dia shall be prescribed with suitable flanges as required at site.
- 6 The G.I. pipe will be issued by the Deptt. free of cost against indent from Divisional Store Dehra & all other fitting as required at site will be provided by the contractor in his quoted rate.
- 7 Alignment of pipe line can be shifted/changed as per site condition for which nothing extra shall be paid beyond the approved rates.
- 8 All machineries/equipments required for laying of pipe line will be arranged by the contractor/firms.
- 9 The pipe laying shall be done as per ISI standard and as per water supply manual.
- 10 The testing of pipe line will be carried out by the firm at its own cost for which 5% amount will be withheld and same should be released after successful commissioning/functioning. This amount will be in addition to the security amount.
- 11 Nothing shall be paid for rejected work/material.
- 12 1% cess on account of building and other construction workers as per Act-1996.

Job No.3**SCHEDULE OF QUANTITY**

Estimated cost:-Rs. 239324/-

Name of work:- Restoration of rain damamges of LWSS Aloh Punani in tehsil Rakkar Distt. Kangra (HP)

Earnest money:-Rs. 4790/-

(Sub-Head:- C/O RCC Collection tank of 60000 Ltr Capacity at head of work)

Time limit:- Three months.

| Sr. No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|---------|--|---------------|-------------|-------|-------------------|--------|
| | | | Figures/ | Words | | |
| 1 | Excavation in foundation, trenches etc. in earth work in all kinds of soil lift upto all height, stacking the excavated soil not more then 3 mtrs. clear from the edge of excavation & then returning the stacked soil in 15cm layers when required into plinth sides of foundation etc. | 50.43 Cum | | | Per cubic meter. | |
| 2 | Providing and laying cement concrete 1:3:6(One cement :three sand : six graded stone aggregate 40mm nominal size and curing complete excluding the cost of centering & shuttering in foundation and plinth within all leads and lifts. | 3.17 Cum | | | Per cubic meter. | |
| 3 | Providing and laying cement concrete 1:1.5:3 (One cement:one & half sand:three graded stone aggregate 20mm nominal size) and curing complete excluding the cost of form work and | | | | | |
| a) | Foundation, footing bases of columns and the like and mass concrete within all leads and lifts . | 6.33 Cum | | | Per cubic meter. | |
| b) | Wall (any thickness but not less than 0.10 mtrs.thickness) attached pillasters, buttresses plinth & string courses etc. from top of foundation level upto floor two level within all leads and lifts. | 10.48 Cum | | | Per cubic meter. | |
| c) | Suspended floor, roofs, landing & shelves & their support balconies, beams, girder, bressumers & cantilever upto floor level. | 3.84 Cum | | | Per cubic meter. | |
| 4 | Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm, so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battons and ballies, height of propping and centring below supporting floor to | | | | | |
| a) | Vertical surface such as walls (any thickness) partitions and the like including attached pillasters,buttresses, plinth and string courses and the like within all leads and lifts. | 104.77 Sqm | | | Per square meter. | |
| b) | Flat surfaces such as soffits of suspended floor, roofs, landings and the like floor etc. upto 200mm thickness within all leads and lifts. | 23.80 Sqm | | | Per square meter. | |

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| Sr. No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|---------|--|-----------------|-------------|-------|-------------------|--------|
| | | | Figures/ | Words | | |
| 5 | Providing in RCC work smooth finishing of the exposed surface with cement motor 1:3(One cement:Three sand) within all leads and lifts. | 104.77 Sqm | | | Per square meter. | |
| 6 | Providing tor steel reinforcement for RCC work including bending, binding and placing in position complete upto floor two level within all leads and lifts . | 1290.90 Kgs. | | | Per Kgs. | |

| | | | | | | |
|----|---|---------------|--|--|------------|--|
| 7 | Steel work welded in built up sections, trusses & framed work including cutting, hoisting and fixing in position and applying a priming coat of red paint:- In grating, framed, guards bars, ladders,railing, brackets & similar works within all leads and lifts. | 47.41 Kgs. | | | Per Kg. | |
| 8 | Laying in trenches GMS pipe (L/M class) tube fitting of following dia (earth work in trenches to be measured and paid for separately) complete within all leads and lifts . | | | | | |
| | ii) 80mm dia | 6.00 Rmt. | | | Per Rmt | |
| 9 | Providing & fixing of Kirloskar/Leader make Cast Iron sluice valve of following dia Class-PN-1.0 with M.S.flange table-5 conforming to IS:780-1984 latest with upto date ammendments having seat pressure 10.20Kg./cm ² including nut, bolts and gasket sheet within all leads and | | | | | |
| | ii) 80mm dia | 1.00 No | | | Each | |
| 10 | Constructing chamber for sluice valve, with C.I.surface box 100mm top dia,160mm bottom dia & 180mm deep(inside) with chained lid RCC top 1:2:4 mix (One cement : Two sand :Four graded stone aggregate 20mm nominal size)100mm thick foundation concrete 1:5:10 (One | 2.00 Nos. | | | Each | |

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| Sr. No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|------------|---|--------------|-------------|-------|------|--------|
| | | | Figures/ | Words | | |
| 11 | Providing and fixing of precast concrete SFRC manhole cover with internal frame & cover system conforming to IS specifications code-12592-Part-I & II with latest ammendments having size of 560mm internal dia within all leads and lifts. | 2.00 Nos. | | | Each | |

Total:-

TERMS & CONDITIONS.

- 1 The work shall be executed as per PWD/IPH specifications.
- 2 Security, sale tax & Income tax shall be deducted from the bill as per prevalent rules.
- 3 Nothing shall be paid for rejected work/material.
- 4 The cement and steel shall be issued by the Department @ Rs.267/- per bag and Steel @ Rs.5046/ per quintal from Divisional Store Dehra.
- 5 The G.I.pipe will be issued free of cost from Divisional Store Dehra.
- 6 1% cess on account of building and other construction workers as per Act-1996.
- 7 The final payment made to the contractor after completion of work and to the entire satisfaction of Engineer-in-Charge.

**Executive Engineer,
IPH Division, Dehra.**

Job No.5

SCHEDULE OF QUANTITY

Estimated cost:-Rs. 262800/-

Name of work:- Energisatin of local well near the house of Sh. Ravinder Dhiman Village & P.O. Guler in teh:
Kangra (HP)

Earnest money:-Rs. 5260/-

Time limit:- Three months.

(Sub-Head:- C/O RCC O.H.S.R. 10000 litres capacity with 3 mtrs. staging height in Vill. Guler)

| Sr No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|--------|--|-----------------|-------------|-------|---------------|--------|
| | | | Figures/ | Words | | |
| 1 | Construction of reinforcement cement concrete circular over head water storage reservoir having capacity as indicated below from ground level including site development, supply of design and structural drawing subject to approval of the same from the competent authorities | | | | | |
| | Construction of OHSR of 10000 litres capacity with 3.00 mtr. staging height. | 10000 litres | | | Per Litres | |

Total:-

TERMS AND CONDITIONS.

- 1 Security, sale tax & Income tax will be deducted from each running bill as per prevalent rules.
- 2 All the necessary documents such as Income tax clearance certificate, renewal of registration and sale tax Numbers should be readily available with the contractor at the time of purchasing of the tender document.
- 3 Two sets of structural drawing and design calculations on the bases of appropriate seismic forces for the area shall be supplied by the firm within three weeks after issue of the letter of intent for checking and approval by the competent authority.
- 4 After checking of the detailed structural drawings by the competent authority, the firm have to supply four sets of the fair drawings duly incorporated the correction for approval of the competent authority.
- 5 The size of the manhole cover will be as per IS specification.
- 6 Testing for water tightness stability of the Over head tank will be the contractors responsibility.
- 7 The water will be arranged by the contractor for the construction of the work and filling of the tank at his risk and cost.
- 8 All equipments such as machineries and T&P will be arranged by the contractor/firm.
- 9 The design of the job shall be supplied by the contractor/firm and it will be according to relevant IS specification/code.
- 10 The cement will be issued by the Department @ Rs.262/- per bag and tor steel @ Rs.5046/- per quintal from Divisional Store Dehra against proper indent.
- 11 G.I.pipe for inlet, outlet, scour and over flow and railing pipe will be issued by the department free of cost from Divisional store Dehra against proper indent.
- 12 Crushed /screened aggregate will be used for RCC work.
- 13 The rates shall be written both in words and figures.
- 14 The contractor should have completed at least three Nos. of similar type of job.
- 15 The final payment will be released after sucessful testing of the tank.
- 16 SBC test will be carried out by firm at its own cost.
- 17 1% cess on account of building and other construction workers as per Act-1996.
- 18 The tank should be completed in all respect including making connection testing, laying and jointing G.I.pipe of required dia as per site from existing pipe net work. Other wise 1% amount shall be withheld.

**Executive Engineer,
IPH Division, Dehra.**

Job No.6

SCHEDULE OF QUANTITY

Estimated cost:-Rs. 637000/-

Name of work:- Providing water facility to village Ban Chellian & Ballain in tehsil Jawalamukhi Distt. Kangra

Earnest money:-Rs. 12740/-

Time limit:- Three months.

(Sub-Head:- C/O RCC O.H.S.R. 35000 litres capacity with 10.00 mtrs. staging height)

| Sr No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|--------|--|----------------|-------------|-------|------------|--------|
| | | | Figures/ | Words | | |
| 1 | Construction of reinforcement cement concrete circular over head water storage reservoir 35000 Ltr capacity with 10.00 Mtr staging height including barbed wire fencing site development, supply of design and structural drawing subject to approval of the same from the | 35000 Ltrs. | | | Per Ltr | |

Total:-

TERMS AND CONDITIONS.

- 1 Security, sale tax & Income tax will be deducted from each running bill as per prevalent rules.
- 2 All the necessary documents such as Income tax clearance certificate, renewal of registration and sale tax Numbers should be readily available with the contractor at the time of purchasing of the tender document.
- 3 Two sets of structural drawing and design calculations on the bases of appropriate seismic forces for the area shall be supplied by the firm within three weeks after issue of the letter of intent for checking and approval by the competent authority.
- 4 After checking of the detailed structural drawings by the competent authority, the firm have to supply four sets of the fair drawings duly incorporated the correction for approval of the competent authority.
- 5 The size of the manhole cover will be as per IS specification.
- 6 Testing for water tightness stability of the Over head tank will be the contractors responsibility.
- 7 The water will be arranged by the contractor for the construction of the work and filling of the tank at his risk and cost.
- 8 All equipments such as machineries and T&P will be arranged by the contractor/firm.
- 9 The design of the job shall be supplied by the contractor/firm and it will be according to relevant IS specification/code.
- 10 The cement will be issued by the Department @ Rs.262/- per bag and tor steel @ Rs.5046/- per quintal from Divisional Store Dehra against proper indent.
- 11 G.I.pipe for inlet, outlet, scour and over flow and railing pipe will be issued by the department free of cost from Divisional store Dehra against proper indent.
- 12 Crushed /screened aggregate will be used for RCC work.
- 13 The rates shall be written both in words and figures.
- 14 The contractor should have completed at least three Nos. of similar type of job.
- 15 The final payment will be released after sucessful testing of the tank.
- 16 SBC test will be carried out by firm at its own cost.
- 17 1% cess on account of building and other construction workers as per Act-1996.
- 18 The tank should be completed in all respect including making connection testing, laying and jointing G.I.pipe of required dia as per site from existing pipe net work. Other wise 1% amount shall be withheld.

**Executive Engineer,
IPH Division, Dehra.**

Job No.4**SCHEDULE OF QUANTITY**

Name of work:- Improvement and Augmentation of LWSS Dehra (Old) in tehsil Dehra Distt. Kangra (HP)

Estimated cost:-Rs. 997911/-

Earnest money:-Rs. 19960/-

Time limit:- Three months

(Sub-Head:- Drilling, Lowering and Development of 1 No Tube well 60 mtr. Deep in Khabli area right bank of Naker Khad) (Job-II)

| Sr. No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|----------|--|---------------|-------------|-------|------------------|--------|
| | | | Figures/ | Words | | |
| 1 | Transportation of Rig along with allied accessories etc. complete including erection and levelling at site, through all kind of roads, approaches field etc. in all leads and lifts upto site of work complete in all respect as per the directions of Engineer-in-charge. | 1.00 Job | | | L.S. | |
| 2 | Earth work in foundation for digging Tube well in all kinds of soils including dewatering, shoring, strutting from G.L. upto 5 mtrs. including disposing excavated soil in all leads and lifts complete in all respect as per the direction of Engineer-in-charge. 0-5 mtrs. | 1.41 Cum | | | Per cubic meter. | |
| 3 | Drilling of bore as per specifications laid down in IS-2800-1979(Part-I) with upto date ammendments, if any, with percussion Rig or combination drilling Rig starting with 650-600mm dia B19MS pipe reduced to 550-500mm dia MS pipe confirming to IS-4270-2001 with upto date | | | | | |
| a | Drilling and lowering of MS casing pipes 650-600mm dia confirming to IS 4270-2001 with upto date ammendments, if any of suitable sizes as mentioned above from 5-30 mtrs.below ground level within all leads and lifts. | 25.00 Rmt. | | | Per Rmt. | |
| b | Drilling and lowering of MS casing pipes 600-550mm dia confirming to IS-4270-2001 with upto date dateammendments,if any of suitable sizes as mentioned above from 30 - 60 mtrs. below ground level within all leads and lifts. | 30.00 Rmt. | | | Per Rmt. | |
| 4 | Colletion, preservation and display of suitable size sample box with top lid and locking arangement till handing over of the tube well to the department complete in all respect as per the satisfaction of Engineer in -charge. | 1.00 No | | | Each. | |
| 5 (a) | Supplying and lowering of IS Marked Electric Resistance Welded M.S.Pipe 300mm dia nominal size, 8mm.thick having outside diametre 323.9mm.screwed & socketted confirming to IS-4270-2001 with upto date ammendments,if any, about 4.00 m. to 7.00 metres in length, welded | 20.00 Rmt. | | | Per Rmt. | |

| Sr. No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|----------|--|---------------|-------------|-------|-------------|--------|
| | | | Figures/ | Words | | |
| (b) | Supplying & Lowering of IS marked Electric Resistance welded mild Steel slotted pipe 300mm dia nominal size housing, 8mm thick having outside diameter 323.90mm, screwed and socketted confirming to IS-4270-2001 with upto date ammendments, if any, about 4.00 metres | 5.00 Rmt. | | | Per Rmt. | |
| 6 | Providing and fixing M.S.taper/reducer as per lengths approved by the Engineer-in-charge the material of M.S.taper/reducer shall be equivalent to parent pipe material and shall conform to Chemical composition as per Clause 5.2 and Mechanical properties as per clause 6.1 and | 1.00 No | | | Each. | |
| 7 (a) | Supplying and lowering of IS Marked Electric Resistance Welded M.S.Pipe 200mm dia nominal size 6.4mm.thick having outside diametre 219.1mm.screwed and socketted confirming to IS-4270-2001 with upto date ammendments, if any, about 4.00 m to 7.00 metres in length,welded | 20.00 Rmt. | | | Per Rmt. | |
| (b) | Supplying & Lowering of IS marked Electric Resistance welded mild Steel slotted pipe 200mm dia nominal size housing, 6.40mm thick having outside diameter 219.10mm, screwed and socketted confirming to IS-4270-2001 with upto date ammendments, if any, about 4.00 metres | 15.00 Rmt. | | | Per Rmt. | |
| 8 | Providing and fixing of M.S.centralized guides at suitable spacing for each Tube-well as per IS-226-1991 with uptodate ammendments,if any,within all leads and lifts as per IS-226-1991 with uptodate ammendments,if any,within all leads and lifts | 2.00 Nos. | | | Each | |
| 9 | Supplying,lowering and fixing in position IS-Marked mild steel bail plug of 200mm/330mm diametres with "U" hooks as per IS-2800-1991 with uptodate ammendments, if any, within all leads and lifts complete in all respects as per the directions of the Engineer-in-Charge. | 1.00 No. | | | Each | |
| 10 | Providing & fixing in position threaded iron cap with locking arrangements of approved design to prevent foreign matter from getting into bore hole,as required,within all leads and lifts complete in all respects as per the directions of the Engineer-In-Charge. | 1.00 No. | | | Each | |

| Sr. No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|---------|---|----------------|-------------|-------|-------------|--------|
| | | | Figures/ | Words | | |
| 11 | Supplying and packing of gravel,consisting of hard quartz or other suitable material, with an average specific gravity of not less than 2.5,not containing more than 2% by weight of thin flat of elongated pieces, shall be of sub rounded grains with minimum angular features of size 2- | 60.00 Rmt. | | | Per Rmt. | |
| 12 | Extraction of all sizes blind/casing pipes with machine starting from the bottom of the bore hole,within all leads and lifts complete in all respects as per directions of the Engineer-in-Charge. | | | | | |
| (a) | In contact with soil. | 60.00 Rmt. | | | Per Rmt. | |
| (b) | Freely handing. | 30.00 Rmt. | | | Per Rmt. | |
| 13 | Development of Tube-Well by back washing method,with air compressor of minimum 750 CFM capacity pumping pipe of 200mm size and air line of minimum 65mm size or with other suitable method, till the Well is thoroughly developed as per clause 4.2 of IS 11189-1985, | 20.00 Hours | | | Per Hour | |
| 14 | Development of Tube- Well by continuous over pumping method, with VT pumps/Submersible pumps of suitable capacity not less than double the discharge established by the compressor method/design discharge, until the well is sand free as per IS-11189:1985 | 15.00 Hours | | | Per Hour | |
| 15 | Testing the Verticality of theTube-Well as per Clause-4.3 of IS-2800(Part-II) 1979 with uptodate ammendments,if any,using pumps or plumer 6mm smaller in dia within the inside diameter of the Well casing the result of the verticality test shall be recorded on performa shown in | 1.00 Job | | | L.S. | |
| 16 | Dismantalling of Rig or other allied,accessories after completion of job within all leads & lifts complete in all respects as per directions of the Engineer-In-Charge. | 1.00 Job | | | L.S. | |

| Sr. No. | Description of Items | Qty. | Rate in Rs. | | Unit | Amount |
|---------|---|-------------|-------------|-------|------|--------|
| | | | Figures/ | Words | | |
| 17 | Construction of barbed wire enclosure of minimum of size 2.5mx2.5m to safe guard the bore of Tube Well with angle iron of size 40x40x6mm 1.5m in height, embedded in concrete block of 30x30x30cm in all leads and lifts complete in all respect as per the concrete block of | 1.00 Job | | | L.S. | |
| 18 | Handing over of the Tube-Well in complete shape as per appendix-B of the Clause-7 of IS-2800 (Part-II):1979 with uptodate ammendments,if any,as appended with the tender documents in laminated form,in triplicate complete in all respects as per the direction of the | 1.00 Job | | | L.S. | |
| 19 | Providing and fixing tripod stand with chain pulley complete in all respect as per entire satisfaction of Engineer-in-charge. | 1.00 Job | | | L.S. | |

Total:-

TERMS AND CONDITIONS

- 1 The work shall be carried out strictly as per IPH/PWD specifications.
- 2 Nothing shall be paid for rejected work /material.
- 3 Security, sale tax & Income tax shall be deducted from each bill as per prevalent rules.
- 4 Crushed stone aggregate shall be used only.
- 5 Any loss of material shall be borne by the contractor.
- 6 The final payment shall be released after completion of work and to the entire satisfaction of Engineer-in-Charge.
- 7 1% cess on account of building and other construction workers as per Act-1996.

**Executive Engineer,
IPH Division, Dehra.**