

SCHEDULE OF QUANTITY

Estimated cost Rs.2,64,065/-  
Earnest Money:-5300/-  
Time: Six Months

Name of work:- Providing LWSS Kaligarh Bara grop of villages Tehsil Chachiot distt. Mandi (HP) (SH:- Laying, Jointing and testing of MSERW pipe and laying, jointing & testing of g.I pipe in rising main Ist stage) Balance work

Sr. No.	Description	Qty.	Rate	Unit	Amount
1	Excavation in foundation and trenches etc. ( for pipes and pits upto all depths) in all classification of earth work such as pick work, jumper work satuated soil including bailing out water, blasting soft/ hard rock or cjiselling soft/ hard rock where blasting is prohibited in all lifts including trimming and dewatering where ever required stacking the unserviceable / serviceable meterial/ soil separately and after laying, jointing and testing of pipes returning the useable soil in trenches in 15 cm layers includig consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directedf within all leads / lifts including restoration of unmetalled surfaces to its original condition and including cost of dddiversion for traffic, night signals, fixing caution boards , crossing over trenches for access to houses fencing etc. complete in all respect with leads/ lifts as per direction and to entire satisfaction of the Enginee- in- charge.				
		658.8		cum	
2	Laying, jointing and testing in trenches ( to be levelled to grades) MSERW pipe plain ended of following diameter conforming to IS / ISO-3183:2007 ( latest with up todate ammendments) grade- B having wall thickness as specified below, suitable to withstanding hydraulic test presure as per specified code in random lenght 5.5 m-6.5m with providing and fixing flanges conforming to IS: 6392-1971( latest with up todate ammendments ) and welding of flanges as perIS:816-1965( Latest with update ammendments) with electrode as per IS: 814-1967( latest with upto date ammendments ) including required number and size of nuts and bolts as per IS: 1369-1967( latest with uptodate ammendments) and compressed asbestos fibre joints gaskert sheets not less than 3 mm in thickness as per IS: 2712-1965 ( latest with uptodate ammendments)The welding of flanges to be done on both faces using minimum three layers ( one inner side and two outer side) of welding so as to make the joints leakproof and to the entire satisfaction of Engineer- in- charge . The layaing of pipe shalal conform to IS:L5822-1994( latest with uptodate ammendments ) and as per CPHEEO manual. The laying will include all operations such as cutting, welding and jointing including flushing cleaning and hyddraulic testing and including manufacuring reducers/ tapers, all short pieces, and bends with flanges of appopriate table as per				
2.1	(i) 150 mm nominal dia 7.10 mm thick with flange Table- 34 ( RD 300 to 800 Ist stage				500 Rmt.
2.2	(ii) 150 mm nominal dia 5.2 mm thick with flange Table -28 ( RD 800 to 1050 Ist stage				250 rmt.

- 3 Laying, jointing and testing in trenches ( to be levelled to grades) MSERW pipe plain ended of following diameter conforming to IS / ISO-3183:2007 ( latest with up todate ammendments) grade- B having wall thickness as specified below, suitable to withstandng hydraulic test presure as per specified code in random lenght 5.5 m-6.5m with providing and fixing flanges conforming to IS: 6392-1971( latest with up todate ammendments ) and welding of flanges as perIS:816-1965( Latest with update amemendments) with electrode as per IS: 814-1967( latest with upto date ammendments ) including required number and size of nuts and bolts as per IS: 1369-1967( latest with uptodate ammendments) and compressed asbestos fibre joints gaskert sheets not less than 3 mm in thickness as per IS: 2712-1965 ( latest with uptodate ammendments)The welding of flanges to be done on both faces using minimum three layers ( one inner side and two outer side) of welding so as to make the joints leakproof and to the entire satisfaction of Engineer- in- charge . The layaing of pipe shalal conform to IS:L5822-1994( latest with uptodate ammendments ) and as per CPHEEO manual. The laying will include all operations such as cutting, welding and jointing including flushing cleaning and hydraurlic testing and including manufacuring reducers/ tapers, all short pieces, and bends with flanges of appopriate table as per
- 3.1 (i)150 mm nominal dia( Medium grade) with Flange Table-17 ( RD 1050to 1325 1st stage
- 3.2 (ii)150 mm nominal dia( Medium grade) with flange Table-5 ( RD 1325 to 1500 1st stage andd sump well to pump house from RD 0 to 20 Rmt)

275 Rmt.

195 Rmt.

#### Terms and conditions

1. Conditional and telegraphic tenders are liable to be rejected
2. All pages of the tender form must be signed before submitting the tender failing which the tender is liable to be treated as in valid.
3. The work shall be executed as per IPH/ PWD specification relevant IS codes and CPHEEO Manual to the entire satisfaction of the Engineer- in - charge.
4. The security , income tax, sale tax ans surcharge and labour welfare cess if any shall be deducted from each running bill of the contractor/ firm as applicable.
- 5.All necessary documents such as income tax clearance certificate, renewal of registration , CST, GST number shall have to be produced by the contractor / firm before puurchase of tender documents.
- 6.Validity The offer shall be valid for 120 days from the date of the opening of the tender.
7. The rates of all the items should be inclusive of all taxes, duties. Levies, carriage of material within all leads and lifts etc. to site of work.
8. When the pipe is supplied within the tolerance permitted by IS codes, the payment for negative side shall be made on pro- rata difference of weight derived on through rate but nothing extra shall be paid for possitive side.
9. The bends of required degree duly flanged shall be provided by the contractor/ firm when ever required as per direction of the engineer- in- charge. The bends manufactured from parent tubes taking care that nominal bore is not reduced or it will be rejected and shall be 100% test checked bny Assistant Engineer before burring.
- 10.The tenders should ascertain the availability of MSERW/SAW pipe as per schedule of quantity before quoting their rates.
11. Test certificate , Inspection and specification
  - (a) The tender shalal have to produce manufactures test certificate for all approtenousses.
  - (b) 3rd party inspection shall be got done from one of the following:  
1.RITES2. DETNORSAKE VARITAS3. BUREAU VARITAS4. SGS5. M/S QUALITY SERVICE & SOLUTION , NEW DELHI-48.
  - © Payment only for the accepted and fully tested work shall be released.
  - (d) the pipes shall be measured and dweighted in the presence of authorized representative of the department at site/ weight bridge. The
12. Any damages caused to any public / private property during the course of execution of work shall be restored by the contractor and if, not done within a reasonable time then the same shall be restored by thedepartment at contractor's cost.

13.L- section and plan of pipe line can be seen in the divisional office on any working day. However contractor shall visit the site and work out filed detail for laying of pipe lines as per site conditions and should quote his rates accordingly.

14 Contractor shall arrange his own connection whenever required.

15. GI pipe shall be issued by the department free of cost from IPH store Thunag.

16. Nothing shall be paid for rejected material/ work.

17. The contractor shall be responsible for watch and ward of material at site of work.

18 Alignment of pipe line can be shifted/ changed as per site condition for which nothing extra shall be paid beyond the approved rates.

19. The plain ended pipes issued to the contractor shall be made beveled edges on the quoted rates.

20. All IS codes shall be latest with upto date amendments.

Executive Engineer,  
IPH Division, Thunag.