

DNIT

NAME OF WORK:- Restoration of rain damages to LWSS Hathithan in tehsil Bhunter Distt Kullu (HP) (SH:- Replacement fixing of HP pump motor with accessories)

Estimated Cost 337500
 Earnest Money 6750
 Time 1 Months

Sr. No.	Sub Head & Item of Work	Quantity	Unit	Rate	Amount
1	Stage Ist Providing horizontal spindle, horizontal/ radial split casing/end suction (Back-pull out arrangements) single/double/multi stage centrifugal pump or combination of pumps, In series/parallel of Kirlosker make RKB 50-15 E/4stage pumps as per BIS 1520-1980 with upto date ammendments, read with IS:9137-1978 or latest edition suitable for lifting water for under mentioned characteristics with bronze, impellers/priming funnels, casing ring and shaft sleeves of bronze, shaft of steel grade 4508 FN8 with cast iron casing coupled directly through a flexible coupling on a common MS/Cast steel base plate (base plate to be from the manufacturer of the pumping unit only) to slip ring/ squirrel cage screen protected drip proof induction motor /motors of standard make such as Kirlosker/Crompton ABB and suitable for operation on 400(+/-)10% volts, 50 cycles /second. 3 phase AC electric supply. The power of electric motor/motors should be at +10% in excess of the maximum power required by the pump/pumps in the operation range of (+) 10% and (-)15% of the duty poiint head. The motor/motors as per ISI:325:1978 with upto date ammendments read with IS 900:1972. It should include cost of bearing nuts, bolts and painting etc. and should meet the following requirements:	1	set		0
	Discharge (Q) 60m ³ /h				
	Total Dynamic head :- 100 mtr				
3	Supply and fixing of make control panel for pump complete with sheet and angle iron fabricated dully painted and complete with internal wiring and comprising of air break stater MCB of suitable Amp. TP voltmeter, ammeter On/Off push botton phase indicating lamps water level guard and single phase preventer including entire carriage of material up to all lead and lifts complete with internal copper wiring etc.	1	Nos		
4	Providing and Laying PVC jointless flat water proof cable 25 sqmm three core as per BIS 694-1990 (latest with up to date ammendments) suitable for the pump sets offered from OCB to motor, motor to starter including all other electrical equipments such as Thimbles, flexible pipes, solder, nuts & bolts, cable glands etc. laid in pipes or trenches. The type, size & make will be subject to approval of HPSEB authorities. In case of non acceptance by HPSEB authorities it shall have to be replaced by the tenderer free of cost.	20	Meter		
5	Installation of all the items appearing at serial No.1 to 33	1	Job		

TERMS AND CONDITIONS.

- 1 Work will be carried out as per HP.PWD/IPH Specifications
- 2 The contractor shall be responsible himself for watch and ward of material at site of work issued to him by
- 3 Final payment shall be released after successful testing and entire satisfaction of the Engineer-in-Charge.
- 4 Prices of all item shall F.O.R site of work inclusive of all leads and lifts shall be inclusive of all charges of
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as income Tax, Surcharge on Income Tax and Sales Tax etc.
- 6 Any damages caused to any structure during the execution of work by the firm will be rrestored to its original condition by the firm/contractor at its own cost.

DNIT No for the year 2019-20 is here by approved for Rs. 337500/- only.

Executive Engineer,
 I&PH Division, No-II
 Kullu at Bhunter.

Schedule of Quantity

Name of work:-Restoration of rain damages to LIS Khokhan jamot (Phase-I) in Tehsil Bhuntar distt. Kullu HP.(SH:- Providing GI wire fencing to protect the feeder channel)

Estimated cost 214173
 earnest Money 4283
 Time 1 months

S.No.	Description of items.	Quantity	Unit	Price	Amount
1	Excavation in foundation trenches etc. in all kinds of soil such as pick work, jumper work, blasting hard or soft rock, by chiselling where the blasting work is water with in all heights stacking the excavated soil with in all leads clear from the edge of excavation and then returning the stacked soil in 15 cms. layers when required in to plinths, sides of foundations consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth as per the direction of Engineer-in-charge with in all leads and lifts complete in all respect.	29.54	Cum		
2	Providing and laying cement concrete 1:4:8(1cement:4sand:8graded stone aggregate of 40mm nominal size)and curing complete excluding cost of form work including all leads and lifts: a) Foundation and Plinth.	5.84	Cum		
3	Random rubble masonry Polygonal rubble masonry (un-coursed brought to courses) with hard stone of approved quality levelled up at plinth level with cement conc. 1:6:12 in cement mortar 1:6 (1cement,6 sand) in foundation and plinth.) with in all leads and lifts complete in all respect.	45.00	Cum		
4	Providing and laying cement concrete 1:2:4 (1cement:2 sand: 4graded stone aggregate 40 mm nominal size)and curing complete excluding the cost of form work and reinforcement in:- foundation and plinth.	14.63	Cum		
5	Providing form work with steel plates 3.15mm thick welded with angle iron frame 30x30x5mm so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battens and ballies, height of propping and centring below supporting floor to ceiling in all heights and removal of the same for insitu -reinforced concrete and plain concrete work in : vertical surface.	26.25	Cum		

TERMS AND CONDITIONS

- The work will be carried out as per HPPWD/IPH specification relevant IS/BIS-code & CPHEEO Manual to be
- The rates of all items should be inclusive of carriage of all material with in all leads and lifts to the site of work by all
- Cement will be issued from Divisional store Shamshi @ Rs. 263 /- per bag for which recovery shall be
- Steel will be issued @4600 per qtl. from sub Divisional store Shamshi .
- 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as income Tax, Surcharge on Income Tax and Sales Tax etc.

Total:- 0

Executive Engineer,
 IPH Division No. II
 Kullu at Bhunter.

DRAFT NOTICE INVITING OF TENDER

Name of work:-C/O FIS Targali kuhl (phase-2nd) in Tehsil Banjar Distt. Kullu H.P. (SH:-C/O Anchor block & L/J of GI pipes 100mm dia at RD 50 to 120 & 280 to 910)					Estimated Cost Rs. :	433240.00
					Earnest Money Rs :	8665.00
					Time Limit :	45 days
Sr. No.	Description of work	No.or Qty.	Unit	Rates		Amount
				Figures	Words	
1.00	Excavation in foundation trenches etc in earth work in all kinds of soil containing spade work, blasting work, jumper work including decomposed soft and hard rock etc., with all heights and depths and stacking the excavated soil not more then 3 mtr. clear from the edge of the excavation and then returning the stacked soil in 15 cm layer when required into plinth sides of foundation etc., consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth complete in all respects with in all leads and lifts and to the entire satisfaction of Engineer incharge.	114.50	Cum			
2.00	Chiselling/wedging out of rock where blasting is prohibited Hard rock 100%	11.14	Cum			
3.00	Providing form work with steel plates 3.15mm thick welded with angles iron in frame 30x30x5mm so as to give a fair finish including centring shuttering strutting and propping etc. with wooden battens and ballies height of propping and centring below supporting floor to ceiling not exceeding 4 mtrs in removal of the same for in-situ reinforced concrete & plain concrete work in all leads and lifts in:-					
3.01	Vertical surface such as walls(any thickness) partitions and the like including attached pillasters, butteresses, plinth and string courses and the like.	28.80	Sqm			
4.00	Providing and laying cement concrete 1:2:4(1Cement :2 sand:4 graded crushed stone aggregate 20mm nominal size and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in all leads and lifts in :-					
4.01	Foundation, footings base of columns & the like and mass concrete.	9.00	Cum			
5.00	Providing tor steel reinforcement for RCC work including bending, binding and placing in position complete upto floor two level including all leads and lifts.	81.00	Kg			
6.00	Removal of slips in all kinds of soils including saturated soils exluding boulders and rocky portion requiring blasting upto a distance of 20 mtrs. disposing of unserviceable materials stacking serviceable material and neatly dressing the surface including all leads and lifts as per entire satisfaction of the Engineer-in-charge.	110.00	Cum			

7.00	Laying, jointing (by way of circumferential butt welded joints by electrical arc welding) and testing of Galvanised mild steel tubes (GI Pipes) of 100mm dia meters confirming to BIS 1239-2001 (latest with upto date amendments) having wall thickness as per code with bevelled / plain ends in a random length of 4 to 7 meters, including manufacturing reducers/ tapers , all short pieces, bends etc. as per site requirement made from parent tubes . The laying of pipe will include all operation such as cutting, welding, jointing, fabrication of bends, tees etc. including lowering and laying in excavated trenches to ensure required level including flushing, cleaning and hydraulic testing complete in all respects to the satisfaction of the Engineer in charge. The fabricated bends shall have three or four cuts having its radius not less than five times the dia of pipe. The damaged portion of the pipes and specials made from the parent tube during welding or otherwise shall be provided anticorrosive treatment by applying two coats of anticorrosive bituminous paint over a priming coat as per AWWA specifications C-203-1978. The welding electrodes shall be as per IS 814 of Advani Oerlikon/ L&T or ISI marked make. The rates also includes entire carriage of material, flushing, cleaning & hydraulic testing complete to the best satisfaction & direction of Engineer in charge with in all leads and lifts. (Earth work in trenches will be measured and paid for separately).	700.00	Rmt			
8.00	Laying, jointing and testing in trenches to be levelled to grades, GI flanged pipes of 100mm diameter confirming to IS:1239-1990(Part-II) having minimum wall thickness as per IS code and class of pipes specified below, provided and jointed with flanges conforming to tables as specified below of BIS 6392-1971 welded at both ends according to relevant BIS standards and detailed specifications and provided with nut & bolts of required sizes, 3mm thick compressed asbestos fiber jointing gasket / synthetic rubber gasket confirming to relevant BIS codes including all kinds of flanged short pieces, bends, tees & other specials etc made from parent tubes & welded with flanges of tables as applicable for the particular reach as per site conditions including flushing, cleaning & hydraulic testing as per directions of Engineer-in-charge.	50.00	Rmt			
9.00	Steel work welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of red lead paint in gratings, framed guard bars, ladders, railing, brackets and similar works complete in all respects with in all leads and lifts and to the entire satisfaction of Engineer in charge.	4254.88	Kg.			
10.00	Providing and fixing in position steel accessories like clamps, suspenders, rope grips, U-Bolts anchorage bolts with pulleys etc. along with fixtures for a suspension bridges.	1.00	Qtl.			
Total in Figures		₹ 0.00				
Total in Words		#NAME?				

TERMS AND CONDITIONS:-

- 1 The rates should be inclusive of carriage of all material to the site of work in all leads and lifts.
- 2 Cement will be issued from sub Divisional store Shamshi @ Rs. 298 /- per bag & steel @ 4600 per qtl of cost from divisional store Shamshi.
- 3 Income Tax/GST and labour welfare cess shall be deducted from the bill of the contractor as applicable.
- 4 If any condition of NIT is contradictory to each other, then the contractor shall bring it to the notice of Engineer-in-charge. The decision of the Engineer-in-charge shall be final. **DNIT no. 239 for the year 2019-20 is hereby approved for Rs.433240/-only**
- 5 Contractors shall have registration in Employees Provident Fund Organization (EPFO) for EPF No. before award of work
- 6 GI pipe will be issued from Divisional store Shamshi at free of cost.

Executive Engineer,
IPH Division No. II
Kullu at Bhunter.