

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 235186.00

Name of work:- Providing water supply scheme to PC habitation of census village Bari, Kyori & Ghor Nallah in Tehsil Baijnath District Kangra(HP).

Earnest money:- Rs. 4710.00

(SH)Construction of reinforcement cement concrete storage tank capacity 40,000 litres at node no. 12 and one no intake chamber.

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in Figure Words.	Unit	Amount.
1	Excavation in foundation trenches etc. in earth work in all kinds of soil such as pick work,jumper work,blasting in soft and hard rock and chiselling work including saturated soil slushy soil and under floor upto all depth and stacking the excavated soil not more than 3 metre clear from the edge of excavation and then returning the stacked soil in 15 centimetre (Fifteen centimetre)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 as directed by the Engineer-in-charge within all leads and lifts.	70.47		Per cubic metre	
2	Providing and laying cement concrete 1:3:6 (One cement is to three sand is to six graded stone aggregate 20 milimetre nominal size) and curing complete excluding the cost of form work in foundation and plinth within all leads and lifts as per the direction of Engineer:-in:-charge.	4.490		Per cubic metre	
3	Providing and laying cement concrete 1:4:8 (One cement is to four sand is to eight graded stone aggregate 40 milimetre nominal size) and curing complete excluding the cost of form work in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-charge.	0.38		Per cubic metre	
4	Providing and laying cement concrete 1:11/2:3(One cement is to one and half sand is to three graded stone aggregate 20 milimetre nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in:-				
(b)	Walls (any thickness) butt not less then 0.10 metre thickness) attached pillasters, buttresses, plinth and string courses etc. from top of foundation up to floor two level with in all leads and lifts as per the direction of Engineer-in-charge.	8.727		Per cubic metre	
(a)	Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	3.630		Per cubic metre	
5	Providing and laying cement concrete 1:2:4(One cement is to two sand is to four graded stone aggregate 20 milimetre nominal size and curing complete excluding the cost of form work and reinforcement for reinforced cement concrete in suspended floors,roofs landing shelves and their supports balconies beams,girders and cantilevers upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	2.15		Per cubic metre	
6	Providing and laying mild steel/tor steel reinforcement for reinforced cement concrete work including bending binding and placing in position complete upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	1555.90	Killo-gramme.	Per Killo-gram me	
7	Providing form work with steel plates 3.15 milimetre thick welded with angle iron in frame 30x30x5				

milimetre so as to give a fair finish including centring,shuttering,strutting and propping etc.with wooden battens ballies,height of propping and centring below supporting floor two ceiling not exceeding 4 metre and removal of the same for in-situ-reinforced concrete and plain concrete work in :-

a)	Vertical surfaces such as walls(any thickness)partitions walls and the like including attached pillasters,buttreses plinth string courses and the like within all leads and lifts as per the direction of Engineer-in-charge.	91.36 square metre	Per square metre
b)	Flat surfaces such as soffits of suspended floors,roofs,landings and the like floors etc.upto 200 milimetre in thickness within all leads and lifts as per the direction of Engineer-in-charge.	16.93 square metre	Per square metre
c)	Edges of slab and breaks in floor and walls under 20 centimetre in wide within all leads and lifts as per the direction of Engineer-in-charge.	15.85 running metre	Per runnin g metre
8	Providing and fixing man hole cover with frame 500 milimetre dia (Medium Duty) total weight of frame and cover should not be less than 116 Kg. (Weight of frame 58 Kg and weight of cover 58 Kg) within all leads and lifts as per the direction of Engineer-in-charge.	1 Number	Each
9	Laying and jointing in trenches galvanised mild steel tubes,tube fitting (Light grade) of various dia. (Earth work in trenches to be measured and paid for separately) within all leads and lifts as per the direction of Engineer-in-charge.		
	a) 50 milimetre dia. (Inlet pipe)	6.00 running metre	Per runnin g metre
	b) 40 milimetre dia. (Outlet pipe)	6.00 running metre	Per runnin g metre
	c) 100 milimetre dia. (Scour pipe)	6.00 running metre	Per runnin g metre
10	Providing and fixing mosquito proof ventilator 100 mm dia, 1 metre high with cast iron cowl fixed at top within all leads and lifts as per the direction of Engineer-in-charge.	1 Number	Each
11	Providing and fixing cast iron sluice valve (Scour valve) with hand wheel of following dia and flange table with flange as per IS-780 class upto 300 milimetre dia (including brass spindle) as per IS:2906 class-II for diametres more than 300 milimetre dia complete with bolts,nuts,rubber insertion etc. (The tail end pieces if required shall be measured and paid for separately) within all leads and lifts as per the direction of Engineer-in-charge.		
	a) 50 milimetre dia.	1.00 number	Each
	b) 40 milimetre dia.	1.00 number	Each

	c) 100 milimetre dia.	1.00 number	Each
12	Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on undecorated wall surface(two coats)to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials within all leads and lifts as per the direction of Engineer-in-charge.	58.00 square metre	Per square metre
13	Construction of chamber for sluice valve with C.I.surfaces bex 100 milimetre top dia 160 milimetre bottom diametre and 180 milimetre deep with chained lid and reinforcement cement concrete top slab 1:2:4(One cement is to two sand is to four graded stone aggregate 20 milimetre nominal size)120 milimetre thick foundation bes concrete 1:5:10(One cement is to five sand is to ten graded stone aggregate 40 milimetre nominal size)and in side cement plastering 1:3(One cement is to three sand)finished with a floating coat of neat cement including curing complete with 300 milimetre thick wall of squared rubble masonry with hard stone of approved quality in cement mortar 1:6(One cement is to six sand)as per the direction of Engineer-in-charge within all leads and lifts size 600x600x750 with 150 milimetre thick wall of reinforcement cement concrete 1:2:4.	2 Number	Each
14	Steel work welded in built up sections,trusses and framed work including cutting,hoisting and fixing in position and applying a priming coat of red lead paint in gratings,framed guard bars,ladders,railing,brackets and similar type of work within all leads and lifts as per the direction of Engineer-in-charge.	1.50 Quintal	Per Quant al
15	1.80 metres high fencing (as per approved design) 1.80 metre reinforcement cement concrete posts 3 metre centre to centre and reinforcement cement concrete struts with 9 horizontal lines and two diagonal of galvanised steel barbed wire (IS-278-1962 type-I) weighting 9.38 killogramme/100 metre (minimum) strained and fixing to posts by typing to 6 milimetre galvanised steel bar niles/clips with 1 binding wire (cost of reinforcement cement concrete struts and straining bolts shall be measured and paid for separately)within all leads and lifts as per the direction of Engineer in charge.	75.00 running metre	Per runnin g metre

Terms and conditions:-

- a) Cement will be issued @ Rs.255/-per bag from Divisional store Differpat on proper indents.
- b) Steel will be issued @ Rs.5000/- per quintal to the contractor from Divisional store Differpat on proper
- c) G.I. pipe will be issued free of cost to the contractor from Divisional store Differpat on proper
- d) The work should be executed as per IPH/HPPWD specification as per recommendation of
- e) Nothing shall be paid for the rejected work/material.
- f) The concrete shall be volume batched and mechanically mixed and vibrated for which nothing extra shall be paid. Only mechanically crushed stone aggregate shall be used in concrete made.
- g) The excavation shall cover all type of soil and rocks involved at site including cutting by chieselling where involved. No blasting will be permitted.
- h) The outlet pipe shall be placed 15 centimetre above the floor level to provide a space for sediments to settle. The outlet pipe shall be provided with a strainer of perforated cast iron.
- i) Royalty, sales tax,octrai etc. will be born by the contractor and proof there so shall have to be given without which no payment shall be done.
- j) The contractor shall be fully responsible for watch and ward of material at the site of work and in case of any theft or loss the recovery shall be made at the double cost of store issue rates.
- k) The rates are inclusive of carriage of all material to the site of work in all leads and lifts.
- l) The work shall be completed with in stipulated period.

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs 562697.00

Name of work:- Providing Lift Irrigation Scheme Gwal, Dadin Rajal in Tehsil Baijnath Distt. Kangra (HP).

Earnest money:- Rs 11300.00

(SH)Construction of Jack well, Sump well and disilting tank) Job-I

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in		Unit	Amount.
			Figure	Words.		
1	Excavation in foundation trenches etc.in earth work in all kinds of soil such as pick work,jumper work,blasting in soft and hard rock and chiselling work including saturated soil slushy soil and under floor upto all depth and stacking the excavated soil not more than 3 metre clear from the edge of excavation and then returning the stacked soil in 15 centimetre (Fifteen centimetre)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 as directed by the Engineer-in-charge within all leads and lifts.	185.300			Per cubic metre	
2	Providing and laying cement concrete 1:4:8 (One cement is to four sand is to eight graded stone aggregate 40 milimetre nominal size) and curing complete excluding the cost of form work in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-charge.	5.69			Per cubic metre	
4	Providing and laying cement concrete 1:2:4 (One cement is to two sand is to four graded stone aggregate 20 milimetre nominal size) and curing complete excluding the cost of form work in foundation and plinth within all leads and lifts as per the direction of Engineer-in-Charge.	1.22			Per cubic metre	
	Providing and laying cement concrete 1:1 :3 (One cement is to one and hanf sand is to three graded stone aggregate 20 milimetre nominal size) and curing complete excluding the cost of form work:-					
a)	Walls (any thickness) butt not less then 0.10 metre thickness) attached pillasters, buttresses, plinth and string courses etc. from top of foundation up to floor two level with in all leads and lifts as per the direction of Engineer-in-charge.	63.45			Per cubic metre	
5	Providing and laying mild steel/tor steel reinforcement for reinforced cement concrete work including bending binding and placing in position complete upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	5820.80			Per Killo-gramme	
6	Providing form work with steel plates 3.15 milimetre thick welded with angle iron in frame 30*30*5 milimetre so as to give a fair finish including centring,shuttering,strutting and propping etc. with wooden battens ballies,height of propping and centring below supporting floor two ceiling not exceeding 4 metre and removal of the same for in-situ-reinforced concrete and plain concrete work in-					
a)	Vertical surfaces such as walls(any thickness)partitions walls and the like including attached	432.71			Per	

plasters,puttreses puintn string courses and the like within all leads and lifts as per the direction of Engineer-in-charge

square
metre

square
metre

Terms and conditions:-

- a) Cement will be issued @ Rs.234/-per bag from Departmental Divisional store Differpat.
- b) The work should be carried out as per specifications.
- c) Nothing shall be paid for the rejected work/materials.
- d) Steel will be issued @ Rs.5400/-per quintal to the contractor from Divisional store Differpatt.
- e) Crushed stone aggregate shall be used.
- f) Concrete mixing shall be done with mechanical mixture.
- g) Vibrator shall be used as the time of concreting.
- h) Required No of test cubes of cement concrete 1:1.5:3 from site shall be collected for random testing of their compressive strength at 28 days as per provision of BIS 456-2000 which shall be get tested from the lab of HPPWS or NIT Hamirpur.
- i) Steel shuttering shall be used at site of work.

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 360831.00

Name of work:- Construction of flow irrigation scheme Maniara Tappa and Jugehar in Tehsil Palampur District Kangra(HP).
(SH)Construction of reinforcement cement concrete channel from RD 2980 to 3100 running metre,120 Rmt. construction of outlet 1 number.

Earnest money:- Rs. 7220.00

Time :- Three months

Sr. No	Description of items.	Qty.	Rate in		Unit	Amount.
			Figure	Words.		
1	Excavation in foundation trenches etc.in earth work in all kinds of soil such as pick work,jumper work,blasting in soft and hard rock and chiselling work including saturated soil slushy soil and under floor upto all depth and stacking the excavated soil not more than 3 metre clear from the edge of excavation and then returning the stacked soil in 15 centimetre (Fifteen centimetre)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 as directed by the Engineer-in-charge within all leads and lifts.	2.07			Per cubic metre	
2	Excavation in drain and channels etc. in all kinds of soil such as pick work,jumper work,blasting work soft and hard rock and saturated soil including dressing of sides and beds and disposing of excavated earth upto a lead of 20 metre and lift upto 1.50 metre within all leads and lifts as per the direction of Engineer-in-charge.	38.41			Per cubic metre	
3	Providing and laying cement concrete 1:4:8 (One cement is to four sand is to eight graded stone aggregate 40 milimetre nominal size) and curing complete excluding the cost of form work in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-charge.	13.41			Per cubic metre	
4	Providing and laying cement concrete 1:2:4 (One cement is to two sand is to four graded stone aggregate 20 milimetre nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced cement concrete in:-					
(a)	Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	16.20			Per cubic metre	
(b)	Walls (any thickness) butt not less then 0.10 metre thickness) attached pillasters, buttresses, plinth and string courses etc. from top of foundation up to floor two level with in all leads and lifts as per the direction of Engineer-in-charge.	21.60			Per cubic metre	
5	Providing form work with steel plates 3.15 milimetre thick welded with angle iron in frame 30*30*5 milimetre so as to give a fair finish including centring,shuttering,strutting and propping etc. with wooden battens ballies,height of propping and centring below supporting floor two ceiling not exceeding 4 metre and removal of the same for in-situ-reinforced concrete and plain concrete work in-					
a)	Vertical surfaces such as walls(any thickness)partitions walls and the like including attached pillasters,buttreses plinth string courses and the like within all leads and lifts as per the direction of Engineer-in-charge	324.00			Per square metre	
6	Providing and laying mild steel/tor steel reinforcement for reinforced cement concrete work including bending binding and placing in position complete upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	1323.00			Per Killo-gramm	
7	Square rubble masonry coursed with hard stone of approved quality in foundation and plinth including racking out joints in cement mortar 1:6 (One cement is to six sand) within all leads and lifts as per the direction of Engineer-in-charge	1.18			Per cubic metre	
8	20 milimetre(Twenty milimetre) thick cement concrete topping 1:2:3 (One cement is to two to three graded stone aggregate of size 4.75 milimetre below by volume) laid over and finished monolithic with base	0.88			Per square	

concrete within all leads and lifts as per the direction of Engineer-in-charge.	metre	metre
9 Providing 5 milimetre (Five milimetre) thick mild steel plate within all leads and lifts as per the direction of Engineer-in-charge.	15.68 Killo- gramme	Per Killo- gramm
10 20 milimetre(Twenty milimetre) thick cement plaster in single coat on rough side of brick/stone masonry for interior plastering upto floor two level including arrises internal rounded angles chamfers and/or rounded angles not exceeding 80 milimetre in girth and finished even and smooth in cement mortar 1:6 (One cement is to six sand) within all leads and lifts as per the direction of Engineer-in-charge.	0.86 square metre	Per square metre
11 Providing & laying P.V.C. water stop seal 230x6 mm thick 20 metre center to center of expansion cum construction joint within all leads and lifts as per the direction of Engineer-in-charge.	16.81 running metre	Per running metre

Terms and conditions:-

- a) Cement will be issued @ Rs.303/-per bag from Departmental Divisional store Differpat.
- b) Steel will be issued @ Rs.4800/-per quintal to the contractor from Divisional store.
- c) Crushed stone aggregate and mechanically mixture concrete shall be used.
- d) The work shall be completed with in stipulated period.
- e) Required No. of test cubes of cement concrete 1:2:4 (1 cement:2 sand:4 graded stone agg. of 20 mm nominal size) from site shall be collected for random testing of their compressive strength at 28 days as per provision of BIS 456-2000 which shall be get tested from the lab of HPPWD of NIT Hamirpur.
- f) Conditional and telegraphy tender are liable to be rejected.
- g) All pages of the tender from must be signed before submitting the tender falling which the tender is liable
- h) The work shall be executed as per IPH/HPWD specification and relevant IS codes to the entire satisfaction
- i) The security, income tax, sale tax and surcharge and labour welfare cess if any shall deducted from each running bill of the contractor/firm as applicable.
- j) All necessary documents such as income tax clearance certificate, renewal of registration, CST/GST nos shall have to be produced by the contractor/firm before purchase of tender documents.
- k) The offer shall be valid fore 120 days from the date of the opening of the tender.
- l) The rate of all item should be inclusive of all taxes, duties, levies, carriage of material within all leads and lifts etc. to site of work.
- m) Any damages caused to any public and private property during the course of execution of work shall be restored by the contrctor and if, not done within a reasonable time then the same shall be restored by the
- n) Nothing shall be paid for the rejected work/material.
- o) The contractor shall be fully responsible for watch and ward of material at the site of work.

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 442863.00

Name of work:- Construction of flow irrigation scheme Garuhl kuhl in Gram Panchayat Banuri, Holta, Banuri khas, Moli Chak and Band Vihar in Tehsil Palampur District Kangra(HP).

Earnest money:- Rs. 8860.00

(SH)Construction of reinforcement cement concrete channel from RD 4470 to 4670 =200 running metre, C/O of 1 No outlet.

Time :- Six months

Sr. No	Description of items.	Qty.	Rate in		Unit	Amount.
			Figure	Words.		
1	Excavation in foundation trenches etc.in earth work in all kinds of soil such as pick work,jumper work,blasting in soft and hard rock and chiselling work including saturated soil slushy soil and under floor upto all depth and stacking the excavated soil not more than 3 metre clear from the edge of excavation and then returning the stacked soil in 15 centimetre (Fifteen centimetre)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 as directed by the Engineer-in-charge within all leads and lifts.	2.16			Per cubic metre	
2	Excavation in drain and channels etc. in all kinds of soil such as pick work,jumper work,blasting work soft and hard rock and saturated soil including dressing of sides and beds and disposing of excavated earth upto a lead of 20 metre and lift upto 1.50 metre within all leads and lifts as per the direction of Engineer-in-charge.	42.45			Per cubic metre	
3	Providing and laying cement concrete 1:4:8 (One cement is to four sand is to eight graded stone aggregate 40 milimetre nominal size) and curing complete excluding the cost of form work in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-charge.	13.68			Per cubic metre	
4	Providing and laying cement concrete 1:2:4 (One cement is to two sand is to four graded stone aggregate 20 milimetre nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced cement concrete in:-					
(a)	Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	20.90			Per cubic metre	
(b)	Walls (any thickness) butt not less then 0.10 metre thickness) attached pillasters, buttresses, plinth and string courses etc. from top of foundation up to floor two level with in all leads and lifts as per the direction of Engineer-in-charge.	25.00			Per cubic metre	
5	Providing form work with steel plates 3.15 milimetre thick welded with angle iron in frame 30*30*5 milimetre so as to give a fair finish including centring,shuttering,strutting and propping etc. with wooden battens ballies,height of propping and centring below supporting floor two ceiling not exceeding 4 metre and removal of the same for in-situ-reinforced concrete and plain concrete work in-					
a)	Vertical surfaces such as walls(any thickness)partitions walls and the like including attached pillasters,buttreses plinth string courses and the like within all leads and lifts as per the direction of Engineer-in-charge	450.00			Per square metre	
6	Providing and laying mild steel/tor steel reinforcement for reinforced cement concrete work including bending binding and placing in position complete upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	1800.00			Per Killo-gramme.	

7	Square rubble masonry coursed with hard stone of approved quality in foundation and plinth including racking out joints in cement mortar 1:6 (One cement is to six sand) within all leads and lifts as per the direction of Engineer-in-charge	1.43 cubic metre	Per cubic metre
8	20 milimetre(Twenty milimetre) thick cement concrete topping 1:2:3 (One cement is to two to three graded stone aggregate of size 4.75 milimetre below by volume) laid over and finished monolithic with base concrete within all leads and lifts as per the direction of Engineer-in-charge.	1.80 square metre	Per square metre
9	15 milimetre(fifteen milimetre) thick cement plaster in single coat on rough side of brick/stone masonry for interior plastering upto floor two level including arrises internal rounded angles chamfers and/or rounded angles not exceeding 80 milimetre in girth and finished even and smooth in cement mortar 1:3 (One cement is to three sand) within all leads and lifts as per the direction of Engineer-in-charge.	3.30 square metre	Per square metre
10	Providing & laying P.V.C. water stop seal 230x6 mm thick 20 metre center to center of expansion cum construction joint within all leads and lifts as per the direction of Engineer-in-charge.	14.00 running metre	Per running metre
11	Providing and fixing mild steel plates for 90 ⁰ V-Notch and gates within all leads and lifts as per the direction of Engineer-in-charge.	9.80 Killo-gramme.	Per Killo-gramme

Terms and conditions:-

- a) Cement will be issued @ Rs.303/-per bag from Departmental Divisional store Differpat.
- b) Steel will be issued @ Rs.4800/-per quintal to the contractor from Divisional store.
- c) Crushed stone aggregate and mechanically mixture concrete shall be used.
- d) The work shall be completed with in stipulated period.
- e) Required No. of test cubes of cement concrete 1:2:4 (1 cement:2 sand:4 graded stone agg. of 20 mm nominal size) from site shall be collected for random testing of their compressive strength at 28 days as per provision of BIS 456-2000 which shall be get tested from the lab of HPPWD of NIT Hamirpur.
- f) Conditional and telegraphy tender are liable to be rejected.
- g) All pages of the tender from must be signed before submitting the tender falling which the tender is liable
- h) The work shall be executed as per IPH/HPWD specification and relevant IS codes to the entire satisfaction
- i) The security, income tax, sale tax and surcharge and labour welfare cess if any shall deducted from each running bill of the contractor/firm as applicable.
- j) All necessary documents such as income tax clearance certificate, renewal of registration, CST/GST nos shall have to be produced by the contractor/firm before purchase of tender documents.
- k) The offer shall be valid fore 120 days from the date of the opening of the tender.
- l) The rate of all item should be inclusive of all taxes, duties, levies, carriage of material within all leads and lifts etc. to site of work.
- m) Any damages caused to any public and private property during the course of execution of work shall be restored by the contrctor and if, not done within a reasonable time then the same shall be restored by the
- n) Nothing shall be paid for the rejected work/material.
- o) The contractor shall be fully responsible for watch and ward of material at the site of work.

The rates shall be quoted only on the format of schedule of quantities which is attached with the tender document giving all specified data so desired therein.

The rates offered for the specified marks in the schedule of quantities only shall be considered. Rates quoted for the part or non specified marks shall lead to rejection of the tender.

The location of site can be ascertained by the concerned Assistant Engineer & the rates quoted by the firm shall be inclusive of all mechanical and manual transport within all leads and lifts to

All the equipment/material shall conform to the relevant BIS specifications wherever applicable and in its absence to any accepted National/International standards.

The general specifications of the work shall conform to HP. PWD/Punjab PWD specifications as per direction to the Engineer-in-charge.

The validity of the tender shall not be less than 120 days, otherwise, the tender shall be summarily rejected.

All the equipment shall be guaranteed against any manufacturing defect including metallurgy and its performance for a period 12 (twelve) months from the date of commissioning/ 15 (fifteen) months from the date of supply which ever is earlier. Any defect if noticed within the stipulated period shall be rectified by the firm at its own cost with 15 days of bringing the same to its notice. The guarantee clause shall be substantiated by a guarantee bond of a nationalized bank for an amount equal to the cost of pumping and electrical equipment (accessories included) pledged in the name of the Executive Engineer in charge at the time of applying for refund of security deposits. The guarantee bond shall be released after the expiry of the guarantee period.

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The installed pumping machinery and other allied accessories shall be tested daily for stipulated pumping hours in the N.I.T. for a period of seven days without extra cost. However, the cost of electricity and water shall be borne by the department. During the guarantee period efficiency of the pumping and the electric equipment should not vary beyond the range of (+/-) 2.5%. If during guarantee period, the efficiency falls beyond 2.5% to a maximum of 5%, 1% cost of the pump set for 1% fall of the efficiency shall be deducted. In case of fall of efficiency beyond 5% the pump set shall be rejected and cost of the effected pump set recovered from the pledged bank guarantee and or from the security deposit as the case may be.

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80% (Eighty percent) payment of the cost of pumping machinery and equipment less 10% security and other statutory recovery shall be made after receipt of complete pumping machinery i.e. pump and motors received together at site of work in good condition. The balance 20% cost after deduction of the security and other recoveries shall be released after successful and satisfactory installation, testing of the entire equipment. Ten percent security deposit shall be released as stipulated in the agreement.

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90% (Ninety percent) installation charges shall be released after satisfactory installation of all the pumping and electrical equipment. Remaining 10 % of installation charges shall be released after testing of the entire equipment.

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24 In absence of performance curve, no offer will be entertained.

25 The firm agreed to complete the work within 6 months.

26 The firm agreed to supply a copy of order placed on the manufacturer to the divisional officer.

- 27 The Executive Engineer will satisfy himself regarding model/make and characteristics of pump set before releasing any payment. The firm shall submit a copy of test report along with supplies and Executive Engineer on scrutiny of test report only, shall release any payment.
- 28 The pump set and all accessories shall carry a warranty of 12 months from date of successful commissioning.
- 29 The item of earthing includes all civil works required.
- 30 The firm agreed to pay all taxes applicable including GST (Goods Service Tax) and nothing shall be claimed extra.