



**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

Telephone No: 01782-233017

e-mail: ee-ram-hp@nic.in

No. PW/ Kaza/TA-I/Publication/2023- 887

To

Dated:- 3/5/23

The Executive Engineer (IT Cell),
Nigam Bihar, H.P. Shimla-2.

Subject:- Publication of tender Notice.

Enclosed please find herewith the tender Notice of various works as given in the tender inviting tender for uploading on department website as per notification Pr. Secy. (PW) to the Govt. of Himachal Pradesh letter No. PBW(B)A(3)1/2020 dated 16th July 2021 as the works mentioned in the tender Notice are urgent nature and public interest.

DA: - As above.

Executive Engineer,
B&R Division HPPWD,
Bathpur.



Telephone No: 01782-233017
e-mail: ee-ram-hp@nic.in

HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT

NOTICE INVITING TENDER

Sealed item rate tender(s) on PWD form No. 6 & 8 are hereby invited by the Executive Engineer, B&R Division, HPPWD, Rampur Distt. Shimla (HP) on behalf of the Governor of H.P. for the following works from registered contractors in HP.PWD (B&R) in appropriate class so as to reach in this office on **10.05.2023** upto 10:30 A.M. and will be opened on the same day at 11:00 A.M. in the presence of contractors or their authorized representative who wish to be present at that time. The application for obtaining the tender form will be received on **09.05.2023** between 10:00 A.M. to 2:00 P.M. The tender form can be had from this office against cash payment (Non-refundable) on **09.05.2023** between 02:00 PM to 5:00 PM.

The earnest money in the shape of National Saving Certificate/Time Deposit Account/ Saving Account of the Post office in Himachal Pradesh duly pledged in favour of the Executive Engineer, B&R Division, HP. PWD, Rampur Bushahr Distt. Shimla H.P. must accompany with the tender form. Ambiguous/Telegraphically/conditional tenders or tender by FAX shall not be entertained/considered in any case. The tenders without earnest money shall summarily be rejected. The offer of the tender shall be kept open for 90 days. The Executive Engineer, B&R Division, HP.PWD, Rampur Bushahr reserve the right to reject/accept any offer of tender without assigning any reasons.

WORK No-1 R/R damages on Kumsu Kamlahoo Kareri road Km. 0/000 to 12/000 (SH:- C/O R/wall at RD 8/195 to 8/215) **ESTIMATED COST** Rs.3,51,759/- **EARNEST MONEY** Rs.7,000/- **TIME LIMIT:-** Two Months **COST OF FORM** Rs. 350/-

WORK No-2 R/R damages on link road to village Runpoo Km. 0/000 to 6/000 (SH:- Deployment/Hiring of Poelain 210 excavator-cum loader for removal of ips and boulders at various RDs 0/000 to 6/000) **ESTIMATED COST** Rs.4,97,214/- **EARNEST MONEY** Rs.10,000/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-

WORK No-3 C/O link road from Khaneri Hospital colony to Sarla Parog road Km. 0/000 to 2/345 (SH:- C/O R/wall in PCC & G.I. wire crate at RD 2/272 to 2/285) **ESTIMATED COST** Rs.3,01,536/- **EARNEST MONEY** Rs.6,000/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-

WORK No-4 R/R damages on Kashadhar Darkali road Km. 0/000 to 22/700 (SH:- Deployment/Hiring of JCB/Excavator-cum loader for removal of slips and clearance of debris in between Km 5/000 to 20/000) **ESTIMATED COST** Rs.3,17,140/- **EARNEST MONEY** Rs.6,400/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-

WORK No-5 R/R damages on Jarashi Pelan road Km. 0/000 to 4/030 (SH:- Deployment/Hiring of JCB/Excavator-cum loader for removal of slips & dressing of berms in Km. 0/000 to 4/030) **ESTIMATED COST** Rs.1,62,500/- **EARNEST MONEY** Rs.3,250/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-

- WORK No-6** A/R & M/O MGMSC at Khaneri in Tehsil Rampur Distt. Shimla (SH:- C/O Ramp & Railing for disabled persons in front of Emergency Ward) **ESTIMATED COST** Rs.1,30,175/- **EARNEST MONEY** Rs.2,600/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-
- WORK No-7** Restoration of rain damages on Rampur Gaura Mashnoo Jeori road Km. 0/000 to 61/000 (SH:- Deployment/Hiring of JCB/Excavator-cum loader for removal of major slip at RD 60/600) **ESTIMATED COST** Rs.2,95,750/- **EARNEST MONEY** Rs.5,900/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-
- WORK No-8** R/R damages on Kashadhar Darkali road Km. 0/000 to 22/700 (SH:- C/O Hump pipe culvert at RD 18/210 along with wing wall) **ESTIMATED COST** Rs.2,69,318/- **EARNEST MONEY** Rs.5,400/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-
- WORK No-9** Improvement of Narrow reaches on Racholi Lalsa Dansa road Km. 0/000 to 14/000 (SH:- ROFD between RDs 0/850 to 0/925 & 4/600 to 4/705) **ESTIMATED COST** Rs.4,98,378/- **EARNEST MONEY** Rs.10,000/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-
- WORK No-10** A/R & M/O Rohru Sungri Bahli Takleeh Nogli road Km. 27/000 to 80/000 (SH:- Supplying & Stacking of Hard Stones at various RDs between Km. 53/000 to 75/000) **ESTIMATED COST** Rs.2,53,000/- **EARNEST MONEY** Rs.5,000/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-
- WORK No-11** A/R & M/O to Judicial Complex building at Rampur Distt. Shimla H.P. (SH:- P/F Semicircular CGI sheet gutter, P/F PVC pipe 150mm and P/F cupboard room No.4 in ACJM office) **ESTIMATED COST** Rs.1,76,527/- **EARNEST MONEY** Rs.3,500/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-
- WORK No-12** Improvement of Narrow reaches on Racholi Lalsa Dansa road km. 0/000 to 14/000 (SH:- ROFD between RDs 0/585 to 0/630, 2/485 to 2/585 & 5/395 to 5/500) **ESTIMATED COST** Rs.4,99,410/- **EARNEST MONEY** Rs.10,000/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-
- WORK No-13** Special repair to Farmasist Residence at Sheep Breeding Farm Jeori in Tehsil Rampur Distt. Shimla H.P. (SH:- Repair work, Kota stone, painting, tile work, wood work, stone pointing etc.) **ESTIMATED COST** Rs.1,96,395/- **EARNEST MONEY** Rs.3,900/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-
- WORK No-14** C/O Sports Complex at Duttnagar in Tehsil Rampur Distt. Shimla H.P. (SH:- P/F Aluminum work for door in Indoor Stadium & wood wool tiles on wall) **ESTIMATED COST** Rs.1,64,257/- **EARNEST MONEY** Rs.3,300/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-
- WORK No-15** C/O Sports Complex at Duttnagar in Tehsil Rampur Distt. Shimla H.P. (SH:- Steel work welded in built up sections for shelves in store etc.) **ESTIMATED COST** Rs.2,05,052/- **EARNEST MONEY** Rs.4,100/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-
- WORK No-16** C/O Chhoti Raikhad to Kanchi road Km. 0/000 to 1/450 (SH:- C/O wire crate R/wall at Km. 0/510 to 0/526.80 and B/wall at km. 0/510 to 0/536.60) Deposit work **ESTIMATED**

COST Rs.3,94,000/- **EARNEST MONEY** Rs.7,900/- **TIME LIMIT:-** Two Months
COST OF FORM Rs. 350/-

WORK No-17 A/R & M/O residential accommodation of E.E. Residence (B&R) at Rampur (SH:- Brick work, plastering, wall painting etc.) **ESTIMATED COST** Rs.1,19,269/- **EARNEST MONEY** Rs.2,400/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-

WORK No-18 C/O Cremation shed, Khopdi Distt. Shimla H.P. (SH:- Civil works etc.) **ESTIMATED COST** Rs.2,46,580/- **EARNEST MONEY** Rs.5,000/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-

WORK No-19 A/R & M/O Residential accommodation of E.E. (NH) HPPWD at Rampur (SH:- P/F vetrified tiles, sanitary work & steel work etc.) **ESTIMATED COST** Rs.4,52,963/- **EARNEST MONEY** Rs.9,100/- **TIME LIMIT:-** One Month **COST OF FORM** Rs. 350/-

Terms and conditions:-

1. The contractors/firms are required to quote their rates clearly both in words as well as in figures, failing which the tender is liable to be rejected.
2. The contractor will produce show their enlistment/renewal documents at the time of obtaining tender form.
3. Latest Income tax and sale tax clearance certificates as well as Pan Number and GST number must be attached with the application failing which tender documents will not be issued.
4. The tender forms will be issued to only those contractors who have not more than two works in hand in any of HP.PWD. Circles.
5. The contractor will have to submit the proof. of registration under Employees Providing Funds & Miscellaneous provision Act. 1952 at the time of tender. Failure to observe this condition shall render the tender of the contractor liable to summary rejection.

No: - RMP/Tender/2023

888 - 92

Dated:-

3/5/23

Copy forwarded for information:-

1. The Engineer-in-Chief, HP,PWD Nirman Bhawan, Nigam Vihar, Shimla-II.
2. The Superintending Engineer 11th Circle HPPWD, Shimla.
3. The SDM (Civil) Rampur.
4. The Panchayat Samiti Rampur.
5. Copy to Notice Board.

Executive Engineer,
Rampur Division (B&R),
HPPWD, Rampur Bsr.

Executive Engineer,
Rampur Division (B&R),
HPPWD, Rampur Bsr.

SCHEDULE OF QUANTITY

Estimated cost :- 351759.00
 Earnest money :- 7000.00
 Time allowed:- Two Months

Name of Work:- R/R Damages on Kumsu Kamlahoo Kareri road km 0/000 to 12/000.
 (SH:- C/O R/Wall at Rd 8/195 to 8/215).

Sr. No.	Description	Qty.	Unit	Rate in figure)	Rate (In Word)	Amount
1	Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock(where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformity with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates & slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.	16.80	Per Cubic metre.			
2	Earth work in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all leads, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth. as directed by the Engineer-in-Charge. all useful material such as stone, shingle, aggregates & slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.	13.90	per cubic metre			
3	Providing and laying cement concrete 1:6:12 (1 cement:6 sand : 12 graded stone 40mm aggregate nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803, 1202 and 1203. including the cost of form work and hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.	5.60	Per Cubic metre			

	Providing and laying cement concrete 1:5:10 (1 cement : 5 sand : 10 aggregate stone 40mm nominal size) including the cost of form work for plain/ reinforced concrete in retaining walls, breast walls, the size of plum should be 150 to 300 mm. as per drawing and H.P.P.W.D. technical specifications. including the cost of form work and hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.	63.00	Per Cubic metre			
5	Providing weep holes in brick/ stone / plain reinforced concrete abutment, wing wall, return walls with 100 mm dia PVC pipe extending through the full width of the structure with slope of 1V : 20H towards drawing face complete as per drawing and technical specifications clauses 614, 709 and 1204.3.7 including carriage of material within all leads and lifts and other incidentals. including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	48.00	Each			
6	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification clause 1204.3.8 with granular material including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	12.90	Per Cubic metre.			

Executive Engineer
(B&R) Division Rampur
H.P.P.W.D. Rampur.


SCHEDULE OF QUANTITY

Estimated cost:- 497214.00
Earnest money 10000.00
Time One Month

NAME OF WORK:- R/R Damages on link road to village Runpoo Km. 0/000 to 6/000.

(SH:- Deployment/Hiring of Poclain 210 excavator-cum loader for removal of slips and boulders at various Rd's in Km 5/000 to 6/000).

Sr. No.	Description	Qty.	Unit	Rate in figure	Rate in words	Amount.
1	Hiring of earth cutting/excavating machinery Poclain 210 of 1.5 cubic metre bucket capacity @ 90 cubic metre per hour loading capacity to be deployment for earth cutting/excavation/filling/removal of slips / boulders and clearance of blocked side drain etc. Any repair/breakage during operation will be carried out by the contractor /owner at his own risk. Shifting of machinery from one place to other place will be absolute responsibility of the contractor and no payment will be made for the same . Only actual working hours will be accounted for the payment . Cutting in earth work/ removal of slips in all kinds of soil including loading in Tippers/ Trucks, removal / disposal of the same in all leads and lifts to the entire satisfaction of Engineer-in-charge.	115.00	Per Hour			


Executive Engineer,
Rampur Division B&R,
H.P.P.W.D., Rampur.

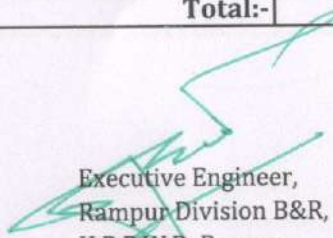
SCHEDULE OF QUANTITY

Estimated cost:- **3,01,536.00**
 Earnest money:- **6,000.00**
 Time:- **One Month**

NAME OF WORK: - Construction of link road from Khaneri hospital colony to Sarla Parog road km 0/000 to 2/345.
(SH:-C/O R/Wall in PCC & G.I. wire crate at RD 2/272 to 2/285).

Sr. No.	Description	Qty.	Unit	Rate (in figure)	Rate (In Word)	Amount
1	Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hardd rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock(where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformately with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absoulte responsibility of the contractor which shall have to be duly compensated by him in all cases.	7.54	Per Cubic metre.			
2	Earth work in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all leads , dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth. as directed by the Engineer-in-Charge.all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absoulte responsibility of the contractor which shall have to be duly compensated by him in all cases.	6.48	per cubic metre			
3	Providing and laying cement concrete 1:4:8 (1 cement : 4 sand :8 Graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth in breast and retaining walls etc. including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	25.92	Per Cubic metre			
4	Providing and laying boulder apron laid in wire crates mate with G.I.wire confirming to IS :280 & IS 4826 in 100mmx100mm mesh (weaved diagonally including 10% extra for laps and joints laid with stone boulder weighing not less than 40 kg each as per drawing and technical specifications Clause 1301 including the cost form work and hauling of materials through all modes of transportation within all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	64.27	Per Cubic metre.			

5	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification clause 1204.3.8 with granular material including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	30.00	Per Cubic metre.			
	Total:-					


 Executive Engineer,
 Rampur Division B&R,
 H.P.P.W.D. Rampur.

SCHEDULE OF QUANTITY

Estimated cost:-

317140.00

Earnest money:-

6400.00

Time:-

One Month

NAME OF WORK:- R/R damages on Kashadhar Darkali road km 0/000 to 22/700.

(SH:-Deployment/Hiring of JCB/Excavator-cum loader for Removal of slips and clearence of debries in between km 5/0 to 20/0)

Sr. No.	Description	Qty.	Unit	Rate in figure	Rate in words	Amount.
1	Hiring of earth cutting / excavating mechnery of 0.75 cubic metre bucket capacity @ 45.00 cubic metre per hour loading capacity to be depolyment for earth cutting /excavation /filling /slips and clearance of blocked side drain etc. including cost of fuel oil lubricant and wages of operating staff. Any repair/breakage during operation will be carried out by the contractor /owner at his own risk. Shifting of machinery from one place to other place will be absolute responsibility of the contractor and no payment will be made for the same . Only actual working hours will be accounted for the payment . Cutting in earth work/ removal of slips in all kinds of soil including loading in Tippers/ Trucks, removal / disposal of the same in all leads and lifts to the entire satisfaction of Engineer-in-charge.	240.00	Per Hour			
Total:-						

Executive Engineer
Rampur Division B&R
H.P.P.W.D. Rampur.

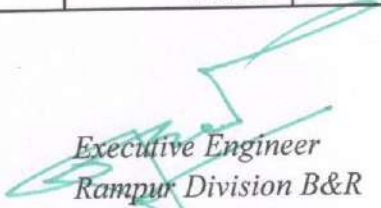
SCHEDULE OF QUANTITY

Estimated cost:- 162500.00
Earnest money:- 3250.00
Time:- One Month

NAME OF WORK:- R/R Damage on Jarashi Pelan road km 0/000 to 4/030

(SH:-Deployment/Hiring of JCB/Excavator-cum loader for Removal of slips & dressing of berms in km 0/000 to 4/030)

Sr. No.	Description	Qty.	Unit	Rate in figure	Rate in words	Amount.
1	Hiring of earth cutting / excavating machinery of 0.75 cubic metre bucket capacity @ 45.00 cubic metre per hour loading capacity to be depolyment for earth cutting /excavation /filling /slips and clearance of blocked side drain etc. including cost of fuel oil lubricant and wages of operating staff. Any repair/breakage during operation will be carried out by the contractor /owner at his own risk. Shifting of machinery from one place to other place will be absolute responsibility of the contractor and no payment will be made for the same. Only actual working hours will be accounted for the payment. Cutting in earth work/ removal of slips in all kinds of soil including loading in Tippers/ Trucks, removal / disposal of the same in all leads and lifts to the entire satisfaction of Engineer-in-charge.	130.00	Per Hour			
					Total:-	


 Executive Engineer
 Rampur Division B&R
 H.P.P.W.D. Rampur.

SCHEDULE OF QUANTITY

Estimated cost :- **130175.00**
 Earnest money :- **2600.00**
 Time allowed:- **One Month**

Name of Work:- A/R & M/O MGMSC at Khaneri in Tehsil Rampur Distt. Shimla (H.P).
 (SH: C/o Ramp & Railing for disabled person's in front of Emergency Ward).

Sr. No.	Description of items	Quantity	Unit	Rate (In figure)	Rate (In Word)	Amount
1	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge : in cement mortar including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	0.29	Per Cubic Metre			
2	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	10.80	Per Sqm			
3	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	157.20	KG			
4	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size) including the cost of form work and hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1.31	Per Cubic Metre			

A T D M R

Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	119.87	KG			
Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand) Light shade pigment using white cement including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	13.12	Per Sqm			
Total:-					

Executive Engineer,
Rampur Division B&R,
H.P.P.W.D. Rampur.

5	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	119.87	KG			
6	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand) Light shade pigment using white cement including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	13.12	Per Sqm			
		Total:-				

Executive Engineer,
Rampur Division B&R,
H.P.P.W.D. Rampur.

SCHEDULE OF QUANTITY

Estimated cost :- 295750.00
Earnest money :- 5900.00
Time allowed:- One month

Name of Work:- Restoration of rain damages on Rampur Gaura Mashnoo Jeori road km 0/000 to 61/000 in Jeori Section under Sarahan Sub Division

(SH:- Deployment/Hiring of JCB/Excavator-cum loader for removal of Major slip at RD 60/600 on RGMJ road).

Sr. No	Description of items	Quantity	Unit	Rate (In figure)	Rate (In Word)	Amount
1	2	3	4	5	6	7
1	Hiring of earth cutting/excavating machinery of 0.75 cubic meter bucket capacity @ 45 cubic meter per hour loading capacity to be deployed for earth cutting/excavation/ filling/slips and clearance of blocked side drain etc. including cost of fuel oil lubricant and wages of operating staff. any repair/ breakage during operation will be absolute responsibility of contractor/owner at his own risk. Shifting of machinery from one place to other place will be absolute responsibility of the contractor and no payment will be made for the same. Only actual working hours will be accounted for the payment. Cutting in earth work/removal of slips in all kinds of soil including loading in tipper/truck, removal/disposal of the same in all leads and lifts to the entire satisfactions and directions of Engineer-in-Charge.	169.00	Per hour			
					Total:-	

Executive Engineer,
Rampur Division (B&R)
HP.PWD., Rampur.

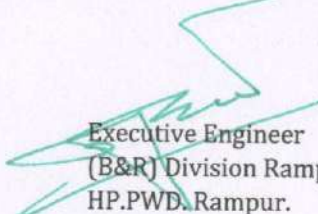
SCHEDULE OF QUANTITY

Estimated cost:- **2,69,318.00**
 Earnest money:- **5,400.00**
 Time:- **One Month**

NAME OF WORK:- R/R damages on Kashadhar Darkali road Km 0/000 to 22/700.
(SH:-C/O Hume Pipe Culvert at RD 18/210 along with wing wall)

Sr. No.	Description	Qty.	Unit	Rate (in figure)	Rate (In Word)	Amount
1	Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock(where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformity with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates & slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.	7.38	Per Cubic metre			
2	Excavation for structures:- Earth work in excavation for structure in all depth as per drawing and technical specification Clause 305-1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal in all lead and lift including dressing of sides and bottom and back filling in trenches with excavated suitable material. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out of rock(where blasting is prohibited) as directed by the Engineer-in-Charge. all useful material such as stone, shingle, aggregates & slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.	40.48	Per Cubic meter			
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 40 mm nominal size) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	6.22	Cum.			

4	Providing and laying plain cement concrete PCC Grade M -10 (Ten) nominal mix 1:3:6 (one cement: three sand: six graded crushed stone aggregate 40mm (forty milimetre) nominal size concrete for plain/reinforced concrete in open foundations complete including form work as per drawings and Technical Specifications Clause 802, 803, 1202 & 1203 and as per the direction of the Engineer-in-Charge including carriage of material through all modes of transportation within all leads and lifts and other incidentals.	35.40	Per Cubic metre.			
5	Providing & Laying of reinforced cement concrete pipe NP2 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection work, back filling, concrete and masonry work in head walls and parapets:- 900mm dia. including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.	7.50	Per Running Metre			
6	Providing weep holes in brick/ stone / plain reinforced concrete abutment, wing wall, return walls with 100 mm dia PVC pipe extending through the full width of the structure with slope of 1V : 20H towards drawing face complete as per drawing and technical specifications clauses 614, 709 and 1204.3.7 including carriage of material within all leads and lifts and other incidentals. including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	12.00	Each			
7	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification clause 1204.3.8 with granular material including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	5.40	Per Cubic metre.			
					Total:-	


 Executive Engineer
 (B&R) Division Rampur
 HP.PWD, Rampur.

SCHEDULE OF QUANTITY

Estimated cost :- **498378.00**
 Earnest money :- **10000.00**
 Time allowed:- **One Month**

Name of Work:- Improvement of Narrow Reaches on Racholi- Lalsa- Dansa road km 0/000 to 14/000.
 (SH: R.O.F.D. between RDs 0/850 to 0/925 & 4/600 to 4/705).

Sr. No.	Description of items	Quantity	Unit	Rate (In figure)	Rate (In Word)	Amount
1	Excavation in earthwork in hilly area all heights and depths, in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution, etc. and to protect stability of hill side. Rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting/excavation, including rock excavation shall be carried out true to lines, grades, side slopes, width, camber, super-elevation and level as shown on the drawings or as directed by the Engineer-in-charge, in conformity with the requirement of technical specification clause 1603.1 & 1603.2 to achieve designed formation width including hauling and stacking of material useful for construction at suitable sites and safe disposal and dumping to be arranged by the contractor of unsuitable cut materials in specified manner, trimming, filling of unevenness, blindage and finishing of the road to specified dimensions or as directed by the Engineer-in charge for smooth riding. The recovery for useful stones, for 374.50 cum. (three hundred seventy four point fifty) @ Rupees 170/= only (Rs. one hundred seventy only) per cubic metre shall be effected on pro rata basis in all circumstances. Any loss to the public and private property during the course of excavation shall be the absolute responsibility of the contractor, which shall have to be duly compensated by him in all cases.	1371.77	Per Cubic metre			
Total:-						

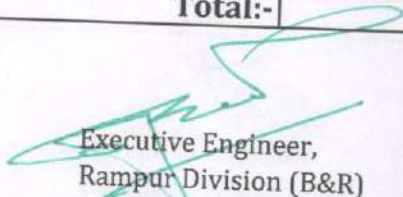
Executive Engineer,
 Rampur Division B&R,
 H.P.P.W.D. Rampur.

SCHEDULE OF QUANTITY

Estimated Cost:- 253000.00
 Earnest Money:- 5000.00
 Time:- One Month

Name of Work : A/R M/O Rohru Sungri Bahli Taklech Nogli road km 27/000 to 80/000.
(SH :- Supplying & Stacking of Hard Stones at various Rd's between km 53/000 to 75/000.)

Sr. No	Description of items	Quantity	Unit	Rate (In figure)	Rate (In Word)	Amount
1	Supplying and stacking at site hard stones of approved quality free from dirt, loose dry particle, disintegrated pieces, deleterious & organic matter stacked along road clear from formation and parallel to the centre line of the road conforming to IS : 2116.1980 as per MORD Specification August 2004 (latest revision) clause 802.4 or 510.2.3 as directed by the Engineer-in-charge & stacked in suitable stacks along the required reaches of the road as per the entire satisfaction and direction of Engineer in Charge.	230.00	Per Cum			
Total:-						


 Executive Engineer,
 Rampur Division (B&R)
 H.P.P.W.D. Rampur.

SCHEDULE OF QUANTITY

Estimated Cost:- 176527.00
Earnest Money:- 3500.00
Time:- One Month

Name of Work: A/R & M/O to Judicial Complex Building at Rampur Distt. Shimla (H.P.)
(SH:- P/F Semicircular CGI Sheet gutter, P/F PVC pipe 150mm and P/F Cupboard Room no 4 in ACJM office)

Sr. No	Description of items	Quantity	Unit	Rate (In figure)	Rate (In Word)	Amount
1	Providing corrugated P.G.I. sheet prepainted sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 0.63 mm thick with zinc coating not less than 275 gm/ m ² including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	23.52	Per Square metre			
2	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	243.69	Kilogram			
3	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, 100 mm diameter including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	24.00	Metre			
4	Providing and fixing P.V.C. Bend 87.5° 150 mm bend including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	2.00	Each			

5	Providing and fixing P.V.C. Single tee with door 150 mm including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	2.00	Each			
6	Providing and fixing PVC clamps ISI marked of approved design with steel screws and rawal plugs etc. complete. 150 mm dia including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	6.00	Each			
7	Providing woodwork in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position. 1st class Kail wood. including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	0.09	Per Cubic metre			
8	Providing and fixing 19 mm thick shutters for cup board etc. :Second class deodar wood including ISI marked anodised aluminium butt hinges with necessary screws including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	28.80	Per Square metre			
9	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete. including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	51.00	Per Square metre			
10	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :2nd class teak wood:-50x20 mm including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	42.00	Running Metre			

11	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	6.00	Each			
12	Providing and fixing Ply wood 5mm ply with commercial ply on both faces 6 mm thick including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	9.00	Per Square metre			
13	Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete.40 mm including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	6.00	Each			
14	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete. including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	15.00	Each			
					Total:-	

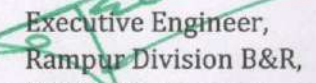
Executive Engineer,
Rampur Division B&R,
H.P.P.W.D., Rampur.

SCHEDULE OF QUANTITY

Estimated cost :- **499410.00**
 Earnest money :- **10000.00**
 Time allowed :- **One Month**

Name of Work:- Improvement of Narrow Reaches on Racholi- Lalsa- Dansa road km 0/000 to 14/000.
 (SH: R.O.F.D. between RDs 0/585 to 0/630, 2/485 to 2/585 & 5/395 to 5/500).

Sr. No.	Description of items	Quantity	Unit	Rate (In figure)	Rate (In Word)	Amount
1	Excavation in earthwork in hilly area all heights and depths, in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution, etc. and to protect stability of hill side. Rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting/excavation, including rock excavation shall be carried out true to lines, grades, side slopes, width, camber, super-elevation and level as shown on the drawings or as directed by the Engineer-in-charge, in conformity with the requirement of technical specification clause 1603.1 & 1603.2 to achieve designed formation width including hauling and stacking of material useful for construction at suitable sites and safe disposal and dumping to be arranged by the contractor of unsuitable cut materials in specified manner , trimming, filling of unevenness, blindage and finishing of the road to specified dimensions or as directed by the Engineer-in charge for smooth riding. The recovery for useful stones, for 326.78 cum. (three hundred twenty six point seventy eight) @ Rupees 170/= only (Rs. one hundred seventy only) per cubic metre shall be effected on pro rata basis in all circumstances. Any loss to the public and private property during the course of excavation shall be the absolute responsibility of the contractor, which shall have to be duly compensated by him in all cases.	1695.04	Per Cubic metre			
Total:-						


 Executive Engineer,
 Rampur Division B&R,
 H.P.P.W.D. Rampur.

SCHEDULE OF QUANTITY

Estimated Cost:- **196395.00**
 Earnest Money:- **3900.00**
 Time:- **One Month**

Name of Work:- Special repair to Farmasist Residence at Sheep Breeding Farm Jeori in Tehsil Rampur Distt. Shimla H.P.

(SH:- Repair work, kota stone, painting, tile work, wood work, stone pointing etc.)

Sr. No	Description of items	Quantity	Unit	Rate (In figure)	Rate (In Word)	Amount
1	Repair to plaster of 12mm to 20 patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar with cement motar 1:4 (1 cement : 4 finesand), including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	3.36	Per Square metre			
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within all leads as per direction of Engineer-in-Charge Nominal concrete 1:3:6 or rich mix (i/cequivalent design mix) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	30.95	Per Cubic metre			
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	5.00	Each			
4	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:-Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	0.72	Per Square metre			
5	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : Flush/ Ruled pointing as per drawing and H.P.P.W.D. technical specifications including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	23.48	Per Square metre			
6	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:One or more coats on old work including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	44.98	Per Square metre			
7	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	44.98	Per Square metre			
8	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including hauling of material in all leads and lifts as per the entire	44.98	Per Square metre			

9	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Old work (one or more coats) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	37.26	Per Square metre			
10	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1.00	Each			
11	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	1.00	Each			
212	Providing and fixing kitchen sink including making all connections excluding cost of fittings. White glazed fire clay sink of size 600x450x250 mm including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	1.00	Each			
13	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. :- 32 mm including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	2.00	Each			
14	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	2.00	Each			
15	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	1.00	Per Square metre			
16	Providing and fixing brass bib cock of approved quality : 15 mm nominal bore including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	2.00	Each			

17	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	6.79	Per Square metre			
18	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete	12.89	Each			
19	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete :-Size of Tile 600x600 mm including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	29.87	Per Square metre			
20	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete :- Size of Tile 500x500 mm including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	2.35	Per Square metre			
21	Providing and fixing 15 cm wide, 45 cm overall semi circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete:- 0.80 mm thick with zinc coating not less than 275 gm/m ² including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	21.40	Per Running metre			
22	Providing and fixing Pre-laminated medium density fibre board IS: 14587:1998 marked, with one side decorative lamination other side balancing lamination Grade-I(exterior grade) in shelves with screws and fittings wherever required, edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand (fittings to be paid separately). Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick confirming to IS:14587 including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	4.30	Per Square metre			

23	Providing and fixing 25mm thick pre-laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked with one side decorative and other side balancing lamination for cupboard shutters edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete. including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	1.20	Per Square metre			
24	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete. Triple strip vertical type including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	5.00	Each			
25	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	10.80	Per Running metre			
26	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	186.20	Per Killogram			
27	separately). Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc Sal wood including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	0.22	Per Cubic metre			
					Total:-	

Executive Engineer,
Rampur Division (B&R)
H.P.P.W.D. Rampur.

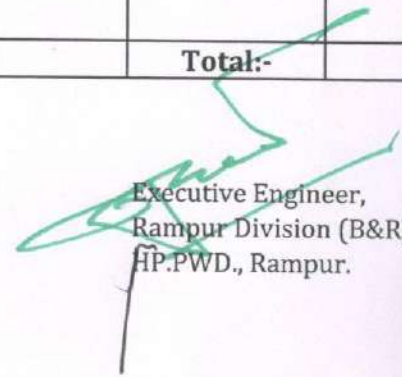
SCHEDULE OF QUANTITY

Estimated cost :- **164257.00**
 Earnest money :- **3300.00**
 Time allowed:- **One Month**

Name of Work:-C/o Sports Complex at Duttanagar in Tehsil Rampur Distt. Shimla (H.P).
 (SH:-P/F Alumium work for Door in Indoor Stadium & Wood wool Tiles on Wall)

Sr. No.	Description of items	Quantity	Unit	Rate (In figure)	Rate (In Word)	Amount
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	0.66	Cum.			
2	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-incharge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	19.81	kg			
3	Providing and fixing aluminium 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer- in-charge. Pre-laminated particle board with decorative lamination on both sides including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	2.88	sqm.			

	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :100mm including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	4.00	Each			
5	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete.125 mm including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	4.00	Each			
6	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1.00	Each			
7	Providing and fixing anodized aluminium sliding door bolt anodized colour and shade with bolts and nuts screws etc. complete(i)250x16mm including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1.00	Each			
8	Providing and fixing 20 mm thick wood wool on vertical surfaces of everest or its equivalent with standared frame of Kail wood section with nail including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	61.44	Sqm.			
9	15 mm cement plaster on the rough side of single or half brick wall of mix :1:4 (1 cement: 4 fine sand) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	8.10	Sqm.			
					Total:-	


 Executive Engineer,
 Rampur Division (B&R)
 HP.PWD., Rampur.

SCHEDULE OF QUANTITY

Estimated cost :- 205052.00
 Earnest money :- 4100.00
 Time allowed:- One Month

Name of Work:- C/o Sports Complex at Duttanagar in Tehsil Rampur Distt. Shimla (H.P).
 (SH:-Steel work welded in built up sections for shelves in store etc.)

Sr. No.	Description of items	Quantity	Unit	Rate (In figure)	Rate (In Word)	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge	3.65	Cum.			
2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1396.99	Kg			
3	Supplying and fixing wovenplains G.I. wire fencing of mesh 50mm to 150mm to any type of standard rails, straining bolts. etc. including provision of binding wire, staples etc including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	7.54	Sqm.			
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size) including the cost of form work and hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.	6.35	Cum.			
					Total:-	

Executive Engineer,
 Rampur Division (B&R)
 H.P.PWD., Rampur.

SCHEDULE OF QUANTITY

Estimated cost :- **394000.00**
 Earnest money :- **7900.00**
 Time allowed:- **Two Months**

NAME OF WORK: - C/O Chhoti Raikhad to Kanchi road Km 0/000 to 1/450.

(SH:- C/O wire crate R/Wall at Km 0/510 to 0/526.80 and B/Wall at Km 0/510 to 0/536.60) (Deposit works).

Sr. No.	Description	Qty.	Unit	Rate In figure)	Rate (In Word)	Amount
1	Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hardd rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock(where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformately with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absoulte responsibility of the contractor which shall have to be duly compensated by him in all cases.	93.60	Per Cubic metre.			
2	Earth work in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all leads , dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth. as directed by the Engineer-in-Charge.all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absoulte responsibility of the contractor which shall have to be duly compensated by him in all cases.	25.71	per cubic metre			
3	Providing and laying boulder apron laid in wire crates mate with G.I.wire confirming to IS :280 & IS 4826 in 100mmx100mm mesh (weaved diagonally including 10% extra for laps and joints laid with stone boulder weighing not less than 25 kg each as per drawing and technical specifications Clause 1301 including the cost form work and hauling of materials through all modes of transportation within all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	138.24	Per Cubic metre.			

4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification clause 1204.3.8 with granular material. including the cost of form work and hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.	10.08	Per Cubic metre.			

Executive Engineer,
Rampur Division (B&R)
H.P.B.W.D, Rampur.

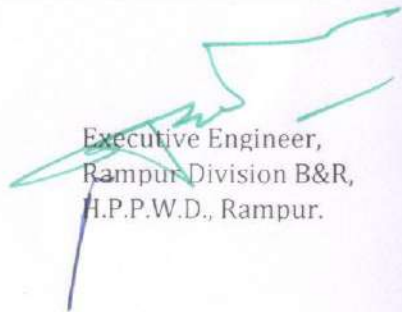
SCHEDULE OF QUANTITY

Estimated Cost:- 119269.00
 Earnest Money:- 2400.00
 Time:- One Month

Name of Work: A/R & M/O Residential accomodation of E.E. Residence (B&R) at Rampur.
 (SH:-Brick Work, Plastering, Wall Painting etc.).

Sr. No	Description of items	Quantity	Unit	Rate (In figure)	Rate (In Word)	Amount
1	Brick work with clay fly ash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in : : Cement mortar 1:6 (1 cement : 6 coarse sand) including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	0.95	Per Cubic metre			
2	15 mm cement plaster of mix: 1:6 (1 cement: 6 coarse sand) including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	100.67	Per Square metre			
3	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	218.18	Per Square metre			
4	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm. including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	218.18	Per Square metre			

5	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes including carriage of material within all leads and lifts and as per HP.PWD., specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	258.51	Kilogram			
					Total:-	


 Executive Engineer,
 Rampur Division B&R,
 H.P.P.W.D., Rampur.

SCHEDULE OF QUANTITY

Estimated cost:- 246580.00
Earnest money:- 5000.00
Time:- One month

Name of Work:- Contruction of Cremation Shed ,Khopdi Distt-Shimla (H.P)
(SH-Civil works etc).

Sr. No.	Description	Qty.	Unit	Rate In figure)	Rate (In Word)	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	8.64	Cum			
2	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size).including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	8.64	Cum.			
3	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar worksincluding hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	859.00	kg			
4	Providing and fixing 0.60mm (Zero point sixty millimeter) thick pre-painted steel sheet of TATA/ /DUROSHINE in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RNP) organic coating of 20 (Twenty) micron over 5 (Five) microns primer coating to back coat of polyster of 5 (Five) microns over 5 (Five) microns primer coating including fixing with pre-painted iron J or L hooks, bolts and nuts , 6mm diametre with prepainted limpet and rubber washers complete with all accessories as required .including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	27.56	Sqm.			

5	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete. 0.80 mm thick with zinc coating not less than 275 gm/m ² including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	5.20	Rmt.			
6	Kharanja Stone soling properly handpacked filling interstices with Kharanja stone and consolidating with power road roller to the requested gradient and comber including spreading watering and rolling of binding materials moorum or earth etc. complete as per HP.PWD specification. 100 mm spread thickness (finished work including materials and labour) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	4.70	Cum			
7	50 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	31.36	Sqm.			
8	Providing and laying fire brick refractory is a block of ceramic material used in lining furnaces, kilns, fireboxes, and fireplaces. A refractory brick is built primarily to withstand high temperature, but will also usually have a low thermal conductivity for greater energy efficiency. including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	2.40	Cum.			
					Total:-	

Executive Engineer,
Rampur Division B&R,
H.P.P.W.D., Rampur.

SCHEDULE OF QUANTITY

Estimated cost:- 452963.00
Earnest money:- 8000.00
Time:- One month

Name of Work:-A/R & M/O Residential accomodation of E.E(N.H)HP.PWD. at Rampur .

(SH-P/F Vetrified Tiles, Sanitary work & steel work etc)

Sr. No.	Description	Qty.	Unit	Rate In figure)	Rate (In Word)	Amount
1	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc. complete size of tiles 600x600 mm including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	170.06	Sqm			
2	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	10.94	Sqm			
3	Providing and fixing 18 mm thick, 150 mm wide pelmet of coir veneer board ISI marked IS : 14842, including top cover of 6 mm coir veneer board, nickle plated M.S. Pipe 20 mm dia. (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. Flat 10 cm long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete.including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	3.6	metre			

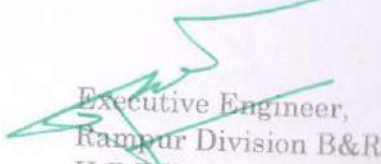
4	Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) :Medium shade pigment using 50% white cement, 50% ordinary cement including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	29.85	Sqm			
5	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade New work (two or more coats) over and including water thinnable priming coat with cement primer including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	160.24	Sqm			
6	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	265.67	Sqm			
7	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	235.31	Sqm			
8	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	297	kg			

9	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required Stainless Steel AISI-304(18/8) Orissa pattern W.C. pan of size 585x480 mm with flush pipe and integrated type foot rests including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	2	Each			
10	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1	Each			
11	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	3	Each			
12	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain 610x510 mm bowl depth 200 including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1	Each			
13	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1	Each			

14	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete Flexible pipe 32 mm dia including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	4	Each			
15	Providing and fixing 100 mm CP grating for gully trap including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	4	Each			
16	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	3	Each			
17	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1	Each			
18	Providing and fixing toilet paper holder C.P. brass including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1	Each			
19	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1	Each			
20	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms. including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	2	Each			

21	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1	Each			
22	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes confirming to IS 15801, UV stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer-in-Charge PN - 16 Pipe, 20mm OD (SDR-7.4)including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	10.7	Metre			
23	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc 15 mm dia nominal bore including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	15.6	Metre			
24	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm nominal bore including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	6.00	Each			
25	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms 15 mm nominal bore including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	2	Each			
26	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	4	Each			
27	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	4.00	Each			

20	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete 75 mm.including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.	16.50	Each			
					Total:-	


 Executive Engineer,
 Rampur Division B&R,
 H.P.P.W.D., Rampur.