



BANASKANTHA DISTRICT CO.OP.MILK PRODUCERS UNION LTD.
Plot No: B-1, C.G City, Chakganjaria, Lucknow-Sultanpur Road, NH-56,
Lucknow (U.P.) PIN.226002 Contact: 7458913883

Ref: **BNS/CIVIL/MISC./2022/**

Date: **02/03/2022**

TENDER NOTICE

Invites sealed bids from experienced contractors for the Maintenance and miscellaneous works (A-Civil works, B-Painting works, C-Furnishing works & D-Fabrication works) for buildings & other infrastructures for year of 2022-2023-2024 (02 Years) for Lucknow Plant, Interested contractors shall collect tenders from the civil engineering department, Lucknow plant office on working day The details of tender document are available on our website WWW.banasdairy.coop.

1. Start of sale of the tender : 03/03/2022
2. Last date for sale of tender: 22/03/2022 up to 14:00 Hrs.
3. Last date & time of tender submission: 22/03/2022 up to 16:00 Hrs.
4. Opening date& time of tender: 22/03/2022 @17:00 Hrs.at Bans dairy.

Banas Dairy does not bind itself to accept the lowest bid. Banas dairy reserves the right to award the job either in part or full. Banas dairy at its sole discretion and without assigning any reason thereof, also reserves the right to accept any/or reject any or all bids.

I/c. MANAGING DIRECTOR

Part A 2022-2023-2024

Name of work: Miscellaneous civil work at Banas Dairy Palanpur's lucknow unit for. Two financial year 2022-23 & 2023-24

Item No.	Description	Unit	Quotation Rates
1.00	EARTH WORK		
1.01	Excavation in all types of soil including murrum for foundations of wall, columns, plinth beams, basement,raft,ducts trenches, underground sumps,septic tanks etc. including shoring strutting,bailing out water/pumping off water if required, refilling the trenches, foundation pits,ramming, watering consolidating in 15 cms to 20 cms layers, removing and stacking simultaneously the excavated stuff as directed within the site area up to a lead of 300 mtr. and /or spreading soils in layers for site development and consolidating as directed etc. complete. From existing ground level to up to 1.5M depth	CUM	
1.02	Description same as item no.1.01 for the depth exceeding 1.5M to 3.0 M	CUM	
1.03	Description same as item no.1.01 for the depth from 3.0M to 4.5 M	CUM	
1.04	Description same as item no.1.01 for the depth from 4.5M to 7.0 M	CUM	
1.05	Filling in plinth with selected excavated earth available within site in layers of 15 cms to 20cms including watering ramming and compacting using mechanical vi bro-roller etc. complete as directed including cost of transportation up to a lead of 300 M.	CUM	
1.06	Filling excavated earth in ground other than plinth for land development etc. to required level spreading beyond 300M in layers of 30 cms to 60cms, watering,ramming, consolidating etc.complete including cost of transportation as directed.	CUM	
1.07	Providing and filling in plinth in ground, road works etc. with selected earth brought from outside site, including freight, transportation,loading, unloading,filling, consolidating,including all taxes,royalty,octroi,screening etc.	CUM	
1.08	Providing and filling approved local sand in trenches,plinth and surrounding areas including watering and consolidating transporting,loading, unloading,spreading etc.complete as directed.	CUM	
1.09	-do- as item no 1.05 for lead more than 2000M lead within the entire dairy premises site.	CUM	
1.10	Providing and laying pre construction Anti termite treatment as per IS-6313 (Part-ii) 1971 from standard and specified agency approved by Engineer-in-charge with ten years guarantee in foundation under floors and periphery as per the special Agency's specification etc. complete as directed. (Note: Measurement on plinth area basis shall be paid)	SMT	
1.11	Providing and filling light weight Cinder material in Trenches and sunks including watering & consolidating transporting, loading, unloading, spreading etc. complete as directed.	CUM	
1.12	Providing and filling dry brick bats of size 40-65 mm at all levels, including ramming etc. complete as directed.	CUM	

1.13	Excavation in all types of soil including mooram for any type of earth work like, drainage line, cable line, pipe line, etc including refilling, shoring strutting, bailing, out water/pumping off water if required, ramming, watering, consolidating in 150 mm to 200 mm in layer wise, removing and stacking simultaneously the excavated stuff as directed within the site area up to the lead of 300 mt on the depth from existing ground level to up to 3.0 mt depth	CUM	
1.14	Do as above same as item no 1.13 for depth of up to 3.0 mt to 4.50 mtr depth	CUM	
	NOTES		
	(1) Consolidated measurements of fill shall be paid in case of item no.1.04 to 1.08 & 1.10		
	(2) Since item specification of item 1.10 is self explanatory.		
2.00	CONCRETE WORK		
2.01	Providing and laying machine mixed brickbat cement concrete in volumetric proportion 1:4:8 (1 cement:4 coarse sand: 8 brickbats aggregates 37 mm and down) for specified thickness for foundations below walls, column footings, sunk floor terraces at any height above plinth level raft at any depth below floors, pavements roads, plinth protection etc. including centering and shuttering if required, laying spreading, ramming, consolidating as per requirement and curing etc. complete as directed.	CUM	
2.02	-do- as per item no.2.01 but with 1:4:8 (1 part cement:4 parts coarse sand:8 parts of stone aggregates size of 37 mm and down)	CUM	
2.03	-do- as per item no.2.01 but with 1:3:6 (1 part cement:3 parts coarse sand:6 parts of stone aggregates size of 37 mm and down)	CUM	
2.04	Providing and laying in position machine mixed and machine vibrated plain cement concrete for all types of reinforced cement concreted structural elements, viz. Foundations, floor slab on ground, raft plinth beams, columns, beams, slabs, mullion, sunk slabs, copings, lintel lofts, chajja with drip, mould, retaining walls, parapet boxes, folded plates weather shed, gutters, fins stair cases sloping slabs etc. curved/circular surfaces as specified and as per structural design & as directed using 20 mm down graded machine crushed black trap stone aggregate including design of concrete mixes, volumetric proportioning, including necessary centering and shuttering at any lift and lead as specified finishing concrete surfaces, curing etc. complete but exclusive of reinforcement with cement concrete conforming to M15 grade concrete at any depth below ground level but up to plinth level.		
(a)	-do- as above for M15 concrete in foundation rafts, slab on ground etc.	CUM	
(b)	-do- as above for M15 concrete in pedestals, columns of any shape (square/circular/rectangular) coping, tie beams, plinth beams, etc. complete.	CUM	
(c)	-do- as above for M15 concrete in RCC walls, retaining wall below ground and above ground level upto height 1.5 m etc. complete.	CUM	
(d)	-do- as above for M15 concrete in plinth level slab.	CUM	
2.05	-do- as per item no.2.04 but for M15 concrete above plinth/ in super structure as height specified follows.		
A	-do- as above for M15 concrete in lintels, ties etc. of any thickness at any height and level as directed.	CUM	
B	-do- as above for M15 concrete in columns of circular/square/rectangular shape from plinth level to 5.0M height.	CUM	

C	-do- as above for M15 concrete in RCC walls, retaining wall ground level to upto height 5.0 etc.complete.	CUM	
D	-do- as above for M15 concrete in columns of circular/square/rectangular shape from 5.0M to 10.0M height.	CUM	
E	-do- as above for M15 concrete in columns of circular/square/rectangular shape from 10.0M to 13.0M	CUM	
F	do as above for M15 Concrete in columns of circular/square/rectangular shape from above Ht 13.00 to Terrace level	CUM	
G	-do- as above for M15 concrete in beams, brackets, bed blocks etc. from plinth level to 5.0 Mt height.	CUM	
H	-do- as above for M15 concrete in beams, brackets, bed blocks etc from 5.0M to 10.0M height.	CUM	
I	-do- as above for M15 concrete in beams, brackets, bed blocks etc from 10.0M to 13.0M	CUM	
J	do as above for M15 Concrete in beams, brackets, bed blocks etc from above Ht 13.00 to Terrace level	CUM	
K	do as above for M15 Concrete slab from plinth level to 5.00 mt ht.	CUM	
L	do as above for M15 Concrete Upto Ht 5.00 to 10.00 mt Slab.	CUM	
M	do as above for M15 Concrete Upto Ht 10.00 to 13.00 mt Slab.	CUM	
N	do as above for M15 Concrete above Ht 13.00 to Terrace level	CUM	
2.06	Providing and laying in position machine mixed and machine vibrated plain cement concrete for all types of reinforced cement concreted structural elements,viz. Foundations,floor slab on ground, raft plinth beams, columns,beams,slabs,mullion, sunk slabs, copings,lintel lofts,chajja with drip, mould, retaining walls,parapet boxes,folded plates weather shed,gutters,fins stair cases sloping slabs etc. curved/circular surfaces as specified and as per structural design & as directed using 20 mm down graded machine crushed black trap stone aggregate including design of concrete mixes, weigh volumatric proportioning including necessary centering and shuttering at any lift and lead as specified finishing concrete surfaces, curing etc. complete but exclusive of reinforcement with cement concrete conforming to M20 grade concrete at any depth below ground level but up to plinth level.		
(a)	-do- as above for M20 concrete in foundation rafts,slab on ground etc.	CUM	
(b)	-do- as above for M20 concrete in pedestals, columns of any shape (square/circular/rectangular) coping, tie beams, plinth beams, etc.complete.	CUM	
(c)	-do- as above for M20 concrete in RCC walls, retaining wall below ground and above ground level upto height 1.5 m etc.complete.	CUM	
(d)	-do- as above for M20 concrete in plinth level slab.	CUM	
2.07	-do- as per item no.2.06 but for M20 concrete above plinth/ in super structure as height specified follows.		
A	-do- as above for M20 concrete in lintels, ties etc. of any thickness at any height and level as directed.	CUM	
B	-do- as above for M20 concrete in columns of circular/square/rectangular shape from plinth level to 5.0M height.	CUM	
C	-do- as above for M20 concrete in RCC walls, retaining wall ground level to upto height 5.0 etc.complete.	CUM	
D	-do- as above for M20 concrete in columns of circular/square/rectangular shape from 5.0M to 10.0M height.	CUM	
E	-do- as above for M20 concrete in columns of circular/square/rectangular shape from 10.0M to 13.0M	CUM	
F	-do- as above for M20 concrete in columns of circular/square/rectangular above Ht 13.00 to Terrace level	CUM	
G	-do- as above for M20 concrete in beams, brackets, bed blocks etc. from plinth level to 5.0 Mt height.	CUM	
H	-do- as above for M20 concrete in beams, brackets, bed blocks etc from 5.0M to 10.0M height.	CUM	

I	-do- as above for M20 concrete in beams, brackets, bed blocks etc from 10.0M to 13.0M	CUM	
J	-do- as above for M20 concrete in beams, brackets, bed blocks etc from above Ht 13.00 to Terrace level	CUM	
K	do as above for M20 Concrete slab from plinth level to 5.00 mt ht.	CUM	
	do as above for M20 Concrete Upto Ht 5.00 to 10.00 mt Slab.	CUM	
M	do as above for M20 Concrete Upto Ht 10.00 to 13.00 mt Slab.	CUM	
N	do as above for M20 Concrete above Ht 13.00 to Terrace level	CUM	
2.08	Providing and laying in position machine mixed and machine vibrated plain cement concrete for all types of reinforced cement concreted structural elements,viz. Foundations,floor slab on ground, raft, plinth beams, columns,beams,slabs,mullion, sunk slabs, copings,lintel lofts,chajja with drip, mould, retaining walls,parapet boxes,folded plates weather shed,gutters,fins stair cases sloping slabs etc. curved/circular surfaces as specified and as per structural design & as directed using 20 mm down graded machine crushed black trap stone aggregate including design of concrete mixes, volumatric proportioning including necessary centering and shuttering at any lift and lead as specified finishing concrete surfaces, curing etc. complete but excluding reinforcement. With cement concrete conforming to M25 grade concrete at any depth below ground level but up to plinth level.		
(a)	-do- as above for M25 concrete in foundation rafts,slab on ground etc.	CUM	
(b)	-do- as above for M25 concrete in pedestals, columns of any shape (square/circular/rectangular) coping, tie beams plinth beams, etc. complete.	CUM	
(c)	-do- as above for M25 concrete in RCC walls, retaining wall below ground and above ground level upto height 1.5 m etc.complete.	CUM	
(d)	-do- as above for M25 concrete in plinth level slab.	CUM	
2.09	-do- as per item no.2.08 but for M25 concrete above plinth/ in super structure as height specified follows.		
A	-do- as above for M25 concrete in lintels, ties etc. of any thickness at any height and level as directed.	CUM	
B	-do- as above for M25 concrete in columns of circular/square/rectangular shape from plinth level to 5.0M height.	CUM	
C	-do- as above for M25 concrete in RCC walls, retaining wall ground level to upto height 5.0 etc.complete.	CUM	
D	-do- as above for M25 concrete in columns of circular/square/rectangular shape from 5.0M to 10.0M height.	CUM	
E	-do- as above for M25 concrete in columns of circular/square/rectangular shape from 10.0M to 13.0M	CUM	
F	-do- as above for M25 concrete in columns of circular/square/rectangular shape from above Ht 13.00 to Terrace level	CUM	
G	-do- as above for M25 concrete in beams, brackets, bed blocks etc. from plinth level to 5.0 Mt height.	CUM	
H	-do- as above for M25 concrete in beams, brackets, bed blocks etc from 5.0M to 10.0M height.	CUM	
I	-do- as above for M25 concrete in beams, brackets, bed blocks etc from 10.0M to 13.0M	CUM	
J	do as above for M25 Concrete in beams, brackets, bed blocks etc from above Ht 13.00 to Terrace level	CUM	
K	do as above for M25 Concrete slab from plinth level to 5.00 mt ht.	CUM	
L	do as above for M25Concrete Upto Ht 5.00 to 10.00 mt Slab.	CUM	
M	do as above for M25 Concrete Upto Ht 10.00 to 13.00 mt Slab.	CUM	
N	do as above for M25 Concrete above Ht 13.00 to Terrace level	CUM	
O	do as item no 2.08 but M30 Grade with (minimum cement content 400 Kg) rate shall be for any level or height.	CUM	

2.10	Providing, fabricating & fixing in place and position steel reinforcement for RCC structures as per design including transporting steel from site stores (within site premises) to the work site, unloading cutting, bending and binding with 16 gauge unhealed soft iron wires (to be supplied by the contractor at his own cost) welding if necessary etc. complete as directed. Payment will be made on the length basis and standard co efficient to convert in weight as per ISS. (Rolling margins and wastages will not be paid)		
	For TMT bars. (Make:-"SAIL,TATA,Jindal etc")	Kg.	
2.11	Providing and placing in position at all levels in horizontal planes bitumen impregnated fibers,joints filler boards at expansion joints as per detailed drawings and specifications.		
	25 mm thick size	SQM	
2.12	Providing and laying bituminous mastic as per specifications and detailed drawing in expansion joints at all levels in horizontal planes. Item will be paid in per meter length per 2.00cm width per 10.0 cm depth.	RMT	
2.13	Grouting the pockets with Ready mixed Grouting cement concrete mix of specified brand complete with making holes if necessary in concrete as directed. The work shall be measured based on the size of pockets actually grouted or size of pockets shown in the approved drawing, whichever is less. Similarly, in case of grouting below the base plate of machine/ equipment, measurement shall be based on the area of grout and the thickness as per the drawing or as per actual whichever is less.	NOS	
2.14	Providing and laying machine mixed & machine vibrated reinforced concrete of grade M20 with 20 mm and down aggregates in floor/ Roads/pavements, as per design & as approved by the site engineer including centering/shuttering, finishing concrete surfaces in broom/smooth/chequered pattern finish, laying in alternate panels,curing etc. complete as directed. (Reinforcement shall be paid separately in relevant item)	CUM	
2.15	Providing & laying pre-cast/cast in situ 50 to 75 mm thick RCC 1:2:4 (1 cement:2 coarse sand: 4 stone aggregate of size 12 mm and down)	SQM	
2.16	Providing & mixing floor hardener of approved make such as Pidilite, Sico,Fosroc or S.T.P. as per detail and instruction of site engineer.	LIT.	
2.17	Providing,mixing & applying Concrete Bonding Chemical of Approved make such as Dr. Fixit , Pidilite, Fosroc, as per detail & site Engineer.	LIT.	
2.18	Providing form work rigid and water tight, centering and shuttering using best quality of ordinary timber planking and/or shuttering plywood /steel plates with supporting system of MS adjustable steel props /Hframe / spans / Frames for all RCC works all heights / all levels / all depths / all floors in horizontal / vertical / slanting surfaces of any shape and size including strutting, propping, bracing, staging etc. complete, so as to give smooth/ fair finish and careful removal of formwork etc. complete all as per specifications and direction of Engineer-in-charge. The Height of propping and centering below supporting as specified below. For all civil, plumbing & electrical works. Note: Rate shall be inclusive of providing necessary holes/ pockets in shuttering material for dowels, insert plate etc.		
	a) Below ground up to any depth	Sqm	
	Rate in Words		
	b) Above Ground upto Any Height	Sqm	
	Rate in Words		
2.19	upplying and Spreading Ironite No 4 @ 3.5 Kgs/m ² Non Metallic shall be sprinkled over green concrete 1/3rd of the dry shake shall be broadcasted in First Pass and same is floated with Power Float, remaining 2/3rd of dry shake is sprinkled in next pass thus the floor laid is floated & trowelled to acquire smooth finish. Etc., complete as per specifications and direction of engineer-in-charge for all floors / all heights / all levels.	Sqm	

	NOTES		
	(1) The rate shall be including providing of all materials and labour, mixing, placing, forming pockets for foundation bolts, placing insert plates as shown in drawing at correct location etc including necessary centering shuttering, false staging, curing etc. complete (excluding Reinforcement, insert plates, holding down bolts/ foundation bolts etc.)		
	(2) In all RCC structures machine cut aggregate of size 20 mm and down grade unless & until specified have to be used and rates are deemed to the same.		
	(3) For item nos.2.01 to 2.08 except 2.07 rate should include the cost of de-watering by pumping, in case it is required during the concreting as well as shuttering below the plinth.		
3.00	MASONRY WORK		
3.01	Providing and construction brick masonry in CM 1:6 with approved first class bricks having minimum crushing strength of 80 kg/sq.cm including scaffolding, racking out the joints, curing etc. complete as directed by Engineer-In Charge. For foundation at all levels below and up to plinth level.	CUM	
3.02	-do- as per item no.3.01 but in superstructure above plinth level. (1 cement:4 coarse sand)		
(a)	-do- as above from plinth level to 7.0M height. (1 cement:4 coarse sand)	CUM	
(b)	-do- as above from 7.0M to 10.0M height. (1 cement:4 coarse sand)	CUM	
(C)	-do- as above from 10.0M to 15.0M height. (1 cement:4 coarse sand)	CUM	
(d)	-do- as above 15.0M	CUM	
3.03	Providing and constructing 115 mm thick brick masonry in partition walls with approved good quality bricks having a crushing strength of 40-50 Kg/sq.cm for super structure in CM 1:4 (1 cement : 4 coarse sand) including scaffolding, racking out joints, reinforcement of 2 nos 6 mm dia MS bars at every fourth layer, curing etc. complete as directed at all heights as follows. (Rate includes the cost of MS bars or Iron hoop)		
(a)	-do- as above from plinth level to 5.0M height.	SQM	
(b)	-do- as above from 5.0M to 10.0M height for first floor	SQM	
(c)	-do- as above from 10.0M to 13.0M height for second floor	SQM	
3.04	Providing and constructing honeycomb brick work of specified thickness as per details with the specification same as item no.3.01 including making honeycombing etc. complete as specific by Engineer -in- charge. No deduction shall be made for honeycombing Also nothing extra shall be paid for making honeycombing.	CUM	
	NOTES		
	(1) The rate shall be including supplying of all materials, labours, tools and plants, forming openings, necessary scaffolding, racking out of joints, curing etc. complete.		
	(2) Holes or Zaries in the brick work for rain water pipes and other pipes shall be kept or the pipe shall be provided at the time of raising of masonry Nothing extra shall be paid for These holes or Zaries should be made good after fixing of pipes and nothing extra shall be paid for the same.		
	(3) The brick work for septic tank, soak well, trenches etc. shall be measured under relevant item of this tread and the ground level shall be the reference level for measurement of masonry in super structure.		
	(4) Holes or pockets in the brick work for rain water pipes shall be kept or the pipes shall be provided at the time of raising the masonry Nothing extra shall be paid for. The masonry for compound wall would also be measured under above mentioned relevant items.		
4.00	FINISHING WORK		

4.01	Providing and applying 12mm thick finish cement plaster at 0 to 5.0 M height in 1:4 cement mortar to the walls, beams, ceiling, stair, column, parris, bends, moulds, pattas, grooves including scaffolding, curing & finishing smooth. The plaster surface shall be rubbed with " Iron plate" till the surface shows cement paste in line and level complete as directed.	SQM	
4.02	Providing and applying 12mm thick finish cement plaster at 5.0 to 10.0 M height in 1:4 cement mortar to the walls, beams, ceiling, stair, column, parris, bends, moulds, pattas, grooves including scaffolding, curing & finishing smooth. The plaster surface shall be rubbed with " Iron plate" till the surface shows cement paste in line and level complete as directed.	SQM	
4.03	Providing and applying 12mm thick finish cement plaster at 10.0 to 15.0 M height and above 15.0 in 1:4 cement mortar to the walls, beams, ceiling, stair, column, parris, bends, moulds, pattas, grooves including scaffolding, curing & finishing smooth. The plaster surface shall be rubbed with " Iron plate" till the surface shows cement paste in line and level complete as directed.	SQM	
4.04	- Do- as per item no.4.01 but of 20mm thickness finish with first coat of 1:4 plaster 12 mm thick followed by 8 mm thick 1:2 (1 cement: 2 of coarse sand) etc. in line and level complete.	SQM	
4.05	- Do- as per item no.4.02 but of 20mm thickness finish with first coat of 1:4 plaster 12 mm thick followed by 8 mm thick 1:2 (1 cement: 2 of coarse sand) etc. in line and level complete.	SQM	
4.06	- Do- as per item no.4.03 but of 20mm thickness finish with first coat of 1:4 plaster 12 mm thick followed by 8 mm thick 1:2 (1 cement: 2 of coarse sand) etc. in line and level complete.	SQM	
4.07	Providing and applying lime punning finish at all heights to the plastered surface & 2.2 kg/sqm including cost of lime, scaffolding, rubbing with small trowel, watering etc. complete as directed	SQM	
4.08	Providing and applying 19 mm thick sand faced cement plaster in two coats at 0 to 5.0 M height with cement mortar 1:4 and second coat of 7 mm with cement mortar 1:3, rough finish with using sponge/"Tipani", on all types of concrete/ brick surfaces making grooves as per detail, including scaffolding, curing etc. complete as directed.	SQM	
4.09	Providing and applying 19 mm thick sand faced cement plaster in two coats at 5.0 to 10.0 m height with cement mortar 1:4 and second coat of 7 mm with cement mortar 1:3, rough finish with using sponge/"Tipani", on all types of concrete/ brick surfaces making grooves as per detail, including scaffolding, curing etc. complete as directed.	SQM	
4.10	Providing and applying 19 mm thick sand faced cement plaster in two coats at 10.0 to 15.0 M height and above 15.0 M with cement mortar 1:4 and second coat of 7 mm with cement mortar 1:3, rough finish with using sponge/"Tipani", on all types of concrete/ brick surfaces making grooves as per detail, including scaffolding, curing etc. complete as directed.	SQM	
4.11	Providing and applying 25 mm thick water proof cement plaster in CM 1:3 at all levels using water proofing compound of approved quality as per manufacturer's specification. Rate includes necessary scaffolding, curing etc. complete as directed.	SQM	
4.12	Providing and applying neat cement finish at 0 to 5.0 M height at the rate of 2.2 kg per sqm to the plastered surface.	SQM	
4.13	Providing and applying neat cement finish at 5.0 to 10.0 M heights at the rate of 2.2 kg per sqm to the plastered surface.	SQM	
4.14	Providing and applying neat cement finish at 10.0 to 15.0 M and above heights at the rate of 2.2 kg per sqm to the plastered surface.	SQM	

4.15	Providing and applying white washing with lime on new work, at all ht, with three or more coats to give an even shade to walls, ceiling, AC sheets etc. including adding of glue of pidilite co. or of equivalent, Indigo (blue) make (last two coats shall be applied with brush only).	SQM	
4.16	Providing and fixing 24 guage chicken wire mesh at the junction of masonry work and RCC work or on any other place as directed including fixing with nails, raw/plugs etc. complete, at all heights before applying plaster.	SQM	
4.17	Providing and applying synthetic enamel paint, at all heights, of required shade and approved make on new/old work including the preparation of surface for painting, applying primer and putty, with two more coats of approved first quality enamel paint as directed.	SQM	
4.18	Providing and applying (with rollers only) plastic emulsion paint of required shed and approved make on new/old work in two or more coats to give an even shed including the preparation of surface for painting, applying primer and putty, at all heights complete as per manufacturer's specification and as directed.	SQM	
4.19	Providing and applying cement paint on walls at all heights, with two or more coats of approved make such as " SUPER SNOWCEM" or approved by IS and shade on new work to give an even shade.	SQM	
4.20	Pointing on coursed stone masonry/ Brick Masonry with cement mortar 1:3 (1 cement: 3 Sand)		
	(a) Flush pointing	SQM	
	(b) Ruled Pointing	SQM	
4.21	Providing and laying Stone krit plaster out side for all floors to the brick or concrete surface consisting of base coat of cement plaster 15 mm thick in cement mortar (1:4) in rough finish & top coat of average thickness 10 mm in white cement and grey cement and marble powder mix in proportion (1:1:1) equal proportion with dolomite pure white or coloured chips of grade no.zero to two (2 mm to 10 mm) as required by volume and pigment mixed as specified plaster will be washed out as directed with drip mould pattern groves as approved including scaffolding etc complete.	SQM	
	Note:		
	1. Groove with cement finish up to 12 mm x 6 mm shall be formed in plaster at the junction of slab & beam and slab & brick wall without any extra charge.		
	2. Similar grooves shall be made in plaster at the junction of masonry and wood or steel door or steel window frames or at bottom of beams as drip moulds without extra charges.		
	3. Sand used shall be 50% fine and 50% coarse for plaster unless otherwise specified.		
5.00	FLOORING WORK INCLUDING WATERPROOFING		
5.01	Providing and laying polished green kotah stone flooring using one side pre polished chieseld dressed green kotah stone in uniform shade of size 17"x17"/17"x23"/23"x23" (thickness of the stone 25 mm to 30 mm) over 37 mm thick cement mortar 1:6 with flush pointing of joints with cement paste mixed with green colour, machine and hand polishing, daily moping with water and kerosene as directed for atleast 15 days etc. complete as directed. In normal pattern	SQM	
5.02	Providing and laying polished green kotah stone skirting up to 250 mm height using pre polished machine cut kotah skirting flush with plaster with a groove or projecting as per detail with stones of size as per requirement and thickness of 15 to 20 mm over a bedding of 12 mm thick cement mortar (1:4) with flush pointing of joints with cement paste, hand polishing etc. complete as directed. Proper care shall be taken for matching the joints of floor with skirting/ dado and nothing extra shall be paid.	RMT	

5.03	Providing & fixing in position acid and alkali resistant red mandana stone of approved size and 25- 38 mm thick for flooring/15 to 20 mm thick for dado including two coats of acid and alkali preventive primer,fixing stones on average 37 mm thick cement mortar bedding 1:3 (1 cement : 3 coarse sand) with acid proof powder keeping the joint 6 mm to 10 mm wide alround and filling the same with approved quality epoxy resin and hardner mixed as per manufacturer's specifications including curing, hand/machine polishing, wax polishing etc. complete as directed.	SQM	
5.04	Providing & fixing in position acid and alkali resistant red mandana skirting upto height 250 mm of approved size and 15 to 20 mm thick for top and sides of machine foundation /pedestals,including two coats of acid and alkali preventive primer,fixing stones on average 37 mm thick cement mortar bedding 1:3 (1 cement : 3 coarse sand) with acid proof powder keeping the joint 6 mm to 10 mm wide alround and filling the same with approved quality epoxy resin and hardner mixed as per manufacturer's specifications including curing, hand/machine polishing, wax polishing etc. complete as directed.	RMT	
5.05	Providing and laying 150/100/75mm thick vacuumed de-watered surface vibrated and finished with trimix machine with control grade specified in item , RCC for industrial floor slab with 8 mm dia Tor steel reinforcement @ C/C 250 mm (Both ways) placed on concrete chairs on upper tread of the concrete slab dowel bars of 20 mm dia, 400 mm long @ 300 mm c/c formation of construction joints @ 6 .0 mt C/C cutting up to 1 /4 the thickness of concrete slab with machined screw and filling the same with semi rigid epoxy based rockite or equivalent sealant including preparation of based curing finishing etc. complete as directed. Reinforcement including dowel bar will be paid seperately under the relevant item of reinforcement.	SQM	
5.06	-do- as 150 mm thick -- For M20 Grade Concrete	SQM	
5.07	-do- as 150 mm thick -- For M-25 grade Concrete	SQM	
5.08	-do- as 100 mm thick -- For M20 Grade Concrete	SQM	
5.09	-do- as 100 mm thick -- For M-25 grade Concrete	SQM	
5.10	-do- as 75 mm thick -- For M20 Grade Concrete	SQM	
5.11	-do- as 75 mm thick -- For M-25 grade Concrete	SQM	
5.12(A)	Providing and fixing vitrified tile flooring of required size & thickness as per drawing, in desired shade of colour, laid in floors, treads sills for doors and windows and landing on 25mm thk cc 1:2:4 with 6mm and down graded aggreget over a 30 mm thick bed of 1 cement :6 coarse sand including spreading cement slurry at the rate of 4.4 Kg/Sq.M, filling of joints with neat white cement slurry mixed with pigment to match the shade of tiles, rubbing curing, polishing, etc. complete as directed. (Basic rate of tile may be considered as Rs. 500 per Sq.m).	SQM	
5.12(B)	Providing and laying first quality vitrified tiles in dado of desired finish, pattern, color, size and make as per drawing of scratch hardness 7 on Moh's scale with a density of 2.2 to 2.3 and bonding strength of 250 kg/sqcmThe tiles shall be fixed ,after applying cement slurry (3.3 kg. cement / sqm) ,with 1:1cement mortar on minimum 12 mm thick wired plaster in CM1:4 in line level & as per drawing .Joints shall be filled with specified colour pigment & white cement including curing, polishing and cleaning with mild oxalic acid etc. complete, as shown and specified, for flooring, dado or channel work etc. complete, as directed by Architects and Engineer-in-charge. Rate shall be inclusive of cost of 12 mm thick wired plaster in CM1:4. (The sizes that can be used as per drawing)	SQM	

5.13	Providing and fixing 20 mm/25 mm thick chequered tiles of approved make fixed over 30 mm thick CM (1:6) bedding materials including spreading neat cement slurry @ 4.4 kg per sq.mt and filling of joint with neat cement slurry mixed with pigment to match the shed of tiles and rubbing, curing polishing etc complete.	SQM	
5.14	Providing and laying Vitrified tiles skirting of 10 to 12 mm thickness having height 75 to 150 mm in desired shade of coloured cement slurry @4.4 kg / sq.mt. Filling of joints with white cement slurry mixed with pigment to match the shed of tiles, rubbing, curing etc.complete.	RMT	
5.15	Providing and fixing non skid vitrified tiles for industrial purpose of premium quality. The tiles make such as Endura - J&J) or any other brand approved the engineer.	SQM	
5.16	Labour work for moulding and polishing work for		
	(A) Granite - Single moulding (Quarter round)	RMT	
	(B) Granite - Double moulding (half round)	RMT	
	(A) Kota stone - Single moulding (Quarter round)	RMT	
	(B) Kota stone - Double moulding (half round)	RMT	
5.17	Providing and fixing Black / Red / apple brown granite in floor or dado including 50 mm thick bedding materials in c.m. 1:6 and joint filling by araldite or other materials including mirror polish etc complete as engineer directed.	SQM	
5.18	Providing and fixing Lakha red granite in floor or dado including 50 mm thick bedding materials in c.m. 1:6 and joint filling by araldite or other materials including mirror polish etc complete as engineer directed.	SQM	
5.19	Providing and laying single piece, both face polished, green kotah stone with machine cut edges for treads & risers of stair steps, sides of steps, for platform, fascia and window sills including making 3 mm to 5 mm V shape grooves if required, hand and wax polishing etc. complete as directed. Other details are as per item no.5.01		
	as above for stones up to 1.5 mtr. Long in single piece.	SQM	
5.20	-do- as item no.5.19 but for kotah shelves including making zaries in walls,placing the kotah shelf, filling the zari with CM 1:1, proportion the same till it is set, curing etc. all complete as directed.	SQM	
5.21	Providing and laying machine cut 25 mm to 30 mm thick rough kota stone for making footpath laid over 50 mm thick CC (1cement : 2 Sand: 4: 6 mm Grit). The item includes the necessary joint filling by CM 1:2 and curing etc. complete.	SQM	
5.22(A)	Providing and laying 40 mm thick IPS flooring, with 25 mm thick CC 1:2:4 (1 cement,2 coarse sand and 4 stone aggregate 12.5 mm and down graded) finished smooth with 12 mm thick plaster in CM 1:4, chequered/broom/smooth finish including rounding off the junction and corner with floors and walls, necessary construction joints, curing etc. complete as directed.	SQM	
5.22(B)	-do- as item no. 5.22(A) but for 50 mm thick.	SQM	
5.22(C)	-do- as item no.5.22(A) but for 75 mm thick with 7 mm plaster over 68 mm base concrete in CC 1.:2:4	SQM	
5.23	Providing & laing Glass Mosaic Tiles/ Accura Tiles flooring particularly for Round/ Square columns dado of approved make & size as per enginneer directed.	SQM	
5.24	Providing, mixing and laying of approved quality ironite in required proportions as per manufacturer's specification.	KG.	

5.25	Providing & laying skirting and dado of 5 to 5.5 mm thick white glazed tiles of size 200x100 or 150x150 or 100x100 or 200x300 mm of approved first quality (i.e. Johnson & Johnson or Somani or equivalent make) fixed over 13 mm thick plaster in CM 1:3 including providing groove up to 3 mm wide if directed to do so and using grey cement paste about 3 kg/sqm. The rate shall be inclusive of center point fittings i.e. extra labour, material etc. to be considered so as to get outlet of plumbing/sanitary fittings at the junction of four tiles including cleaning etc. complete as directed. (The rates of one coat plaster is included in this items)	SQM	
5.26	-do- as item no 5.25 but for using ceramic tiles 7 to 8 mm thick of any size as per detail, in floor & dado of approved make & colour such as Kajariya/Regency/Bell/Naveen or equivalent make of first quality in place of white glaze tiles. (The rates of one coat plaster is included in this items)	SQM	
5.27	-do- as item no 5.25 but with coloured glazed tiles. (The rates of single coat plaster is included in this item)	SQM	
5.28	Extra for providing special mirror finish polish on Kotah stone flooring using 500 to 2000 grit emery polishing in six stages and final finishing, cast-iron tiles with 1:1 cement mortar (1 cement:1 sand), joints with cement paste including curing, hand/machine polishing cleaning the surface etc. all complete as directed by site engineer.	SQM	
5.29	Providing & fixing black Jet granite for platform fixing over kota bed with all required materials.	SQM	
5.30	Providing and laying cement water proofing of average 115 mm thick for balcony, terrace etc for all the floors using cement mortar (1:3) arranging brick bats according to slope addition suitable chemical to make water tight and again putting on top cement mortar (1:3) as above including water proof powder and finishing top with neat cement @ 2.75 kg/sq.m making square 300x300 mm on top etc. complete including furnishing of guarantee for 10 years. The work should be carried out through an approved specialized agency like India Water Proofing Co.	SQM	
5.31	Providing and laying finishing top with china mosaic flooring on top of water proofing using broken pieces of glazed tiles and cement water proofing compound slurry, joint shall be filled with white cement and clean properly etc complete including furnishing of garrantee of 10 years. The work would be carried out through approved specialised agency. Rates includes with vatas, finished by china mosaic tiles. Vatas shall be measured in SQM	SQM	
5.32	Providing and laying brick on edge flooring laid dry grouted with c.m. 1:6 including finishing the joints flush curing etc. comp.	SQM	
3.33	-do- as per item no.5.30 but for average 75 mm thickness in toilet water tank, sunk slab, vattas,at all levels.	SQM	
5.34	Providing and mixing floor hardener of approved make such as Pidilite, Sico, Fosroc or Don, as per detail and instruction of site engineer	KG	
5.35	Providing and fixing vitrified tile flooring of required size & thickness as per drawing, in desired shade of colour, laid in floors, treads sills for doors and windows and landing on existing floor with 6mm thick chemical base and filling of joint with pigment to match the shade of tiles, rubbing curing, cleaning etc. complete as directed. (Basic rate of tile may be considered as Rs. 500 per Sq.m).	SQM	

5.36	Providing & laying skirting and dado of 5 to 5.5 mm thick white glazed tiles of size 200x100 or 150x150 or 100x100 or 200x300 mm of approved first quality (i.e. Johnson & Johnson or Somani or equivalent make) fixed over existing plastered surface including providing groove up to 3 mm wide if directed to do so and using grey cement paste about 3 kg/sqm. The rate shall be inclusive of center point fittings i.e. extra labour, material etc. to be considered so as to get outlet of plumbing/sanitary fittings at the junction of four tiles including cleaning etc. complete as directed.	SQM	
5.37	-do- as item no 5.36 but for using ceramic tiles 7 to 8 mm thick of any size as per detail, in floor & dado of approved make & colour such as Kajariya/Regency/Bell/Naveen or equivalent make of first quality in place of white glaze tiles.	SQM	
5.38	-do- as item no 5.36 but with coloured glazed tiles.	SQM	
5.39	Providing and fixing Black / Red / apple brown granite skirting up to 250 mm height in joint filling by araldite or other materials including mirror polish etc complete as engineer directed.	RMT	
5.40	Dressed sand stone paving and other finishing work to the pattern called for using 40mm(nominal)thick split red agra stone slabs with machine cut edges(straight or raked as called for)of size 600X600mm laid over a 20mm thick bed of cement mortar 1:4(1cement :4 coarse sand) with fine joint filled with cement mortar 1:2 (1Cement :2 coarse sand) pigmented to match the stone and finished neat as directed and cured complete.	SQM	
5.41	Providing & laying approved quality mirror finished light and/or dark grey, black or brown granite of approved shade, thickness 18 mm., as per design and in required sizes (not exceeding 1.2 m. x .6 m.) and shapes, in flooring , otta, sill, jambs, skirting, tread, riser, platform, etc., including necessary cement mortar bedding in 1:2. (Only finished granite work shall be measured). The rate includes rounding, champhering and mirror polishing of edges.	SQM	
5.42	Providing & laying Acid/Alkali Resistance heavy duty Industrial tiles of Endura (HR Johnson) or Equivalent, in floor as per approved colours and texture as per drawing in minimum 25 mm. thick cement mortar 1:3 bedding on 37 mm wired finish screed of 1:2:4 (Cement, coarse sand and 6 stone aggregates) & laid to proper slope & level. with residue and skirting, including, curing, 2 coats of polishing & cleaning with mild oxalic acid etc. complete for all floors / all levels/ all heights, as shown & specified, for flooring, or channel work etc. as per specifications & direction of EIC. The rate should be inclusive of protection of flooring until the handling of the project by covering the joints with abrotaps, plastic sheet & Plaster of Paris. The sizes that can be used are upto 300mm X 300mm X 12mm to 15 mm thick with 4 mm Groov in between. The rate shall include cost of 25mm cement mortar and 37mm wired finish screed (laid in advance prior to laying of the flooring. Rate shall inclusive of Grouting of 4mm X 6mm grooves with matching colour Bal Epoxy grout (6mm top) and balance bottom joint fill by polymer grout.	SQM	
5.43	Providing and fixing in position, 25 to 38 mm. thick acid and alkali resisting Red Mandana stone of approved size and shape, for dry cladding in wall,jambs,sofiits,slabs,etc..The rate shall be inclusive of scaffolding,polishing,hanging with good quality hilti stone cladding anchor fastner.	SQM	

5.44	<p>polyurethane resin flooring: Providing & laying 6mm thick polyurethane flooring (flowcrete rustik UV wheatfield or equivalent) including necessary preparation of surface, such as sand blasting to remove any foreign particles. Complete all as specified & directed as per manufacturer's instruction. PU FLOORING WORK DESCRIPTION.</p> <p>Providing & applying at all height & level polyurethane flooring consisting of 1 mm thick Scratch coat of Nitoflor 3000UT & 5 mm thick RT 6000 UT heavy duty polyurethane floor screed of M/s Fosroc or 1 mm thick Scratch coat of R70CP & 5 mm thick R90CP heavy duty polyurethane floor screed of M/s Ardex Endura or as approved equivalent make over a cured structural concrete floor as per manufacturers specification . The work shall be carried out by a specialist agency / authorised applicator of the manufacturer as per manufacturers specification and as directed by Engineer-in-Charge.</p> <p>All surfaces must be clean and free from debris, loose or flaking material, standing water, oil, grease and organic growth, the concrete surface should be thoroughly abraded to remove all laitance. All laitance and surface contamination, e.g. oil, paint and rubber, should be removed by mechanical means such as shot- blasting or grinding to expose the coarse aggregate. After surface preparation, all loose debris and dirt should be removed by vacuum equipment. Heavy oil or grease deposits should first be removed either mechanically, by steam cleaning, or by biological treatment, then by high pressure water blasting. Defective concrete surfaces must be cut back to a sound base. Smooth surfaces should be mechanically roughened. Edges of the areas for repair must to avoid feather edging. Finally the complete area shall be dried up using industrial heaters. Cut open all construction joints ,movement joints Anchorage grooves should be cut to a minimum depth and width of 2 x 2 the flooring thickness, at the edges, construction joints, up-stands, drains, doorways and at regular points across the floor fill .</p> <p>Scratch coat : Providing and applying 1 mm thick Scratch coat of Nitoflor 3000UT of M/s Fosroc or 1 mm thick Scratch coat of R70CP of M/s Ardex Endura or as approved equivalent after mixing the entire contents as per manufacturers specification till homogeneous mix is obtained and allowed to air cure for 12 to 48</p>	Sqm	
6.00	STEEL WORK		
6.01	<p>Providing and fixing in position interlocking rolling shutters of approved make of 18 gauge. 75 mm wide cold rolled, MS Lathe interlocked including top cover, spring, axles, guide rails, tees, iron, pulleys, bearings, handles, holding-down bolts embedded in DD 1:2:4 including 2 coats of synthetic enamel paint of make J & N /Shalimar/British/ Asian, over a coat of primer etc. complete as directed. (Measurement to be considered for payment shall be the clear size of opening plus guide channels on both sides for width and 450 mm on top for drum height and With pull and pull arrangement)</p>	SQM	
6.02	<p>-do- as item no.6.01 but for composite type rolling shutter with 1/3 grill and 2/3 solid type, complete as directed. (The dia of MS round for grill is 8 mm)</p>	SQM	
	<p>Note: The safety bars welded to steel window frames (pressed metal or standard steel sections) would be paid under this item of work.</p>		
7.00	ROAD WORK		
7.01	<p>Surface dressing including preparation of sub grade of road floor bringing earth work to required grade, slope and chamber including cutting or filling earth up to 300 mm thickness, watering, consolidation with 10 MT Power Road Roller etc. complete as per details as directed.</p>	SQM	

7.02	Providing and laying base course in two layers in compacted thickness of 100 mm (each course 100 mm thick consolidated), using stones of nominal size 65 mm, including filling voids with similar stone of smaller size, spreading the binding material like murrum, watering and consolidation with 10 MT power road roller etc. complete as directed.	CUM	
7.03	Providing and laying cast in situ RCC (1:2:4) kerbing including necessary excavation, cutting the road, laying PCC 1:5:10 (1Cement:5 coarse sand:10 stone aggregate of 20/37 mm and down) 100 mm thick, reinforcement, shuttering, plastering, curing and synthetic enamel painting of approved make in two coat over a coat of cement primer as per detail, etc.complete as per the sketch as directed.	RMT	
7.04	Providing & laying in position machine mixed and machine vibrated M20 plain cement concrete of controlled grades for cement concrete roads/ pavements, as per design and as directed in specified compressive strength compressed in N/mm ² at 28 days as per IS 456-1978 using 20 mm maximum size aggregates including design of concrete mixes, proportion converted to the volumetric mix and approved by engineer including providing expansion & contraction joint/centering/shuttering, finishing concrete surface in a broom/chequered/smooth pattern finish, laying in alternate panels, with necessary lift and lead, curing etc.complete as directed.	CUM	
7.05	Providing and laying plain cement concrete 1:4:8 as per item no.2.02	CUM	
7.06	Providing & fabricating & fixing TMT bar at expansion joint as directed.	KG	
7.07	Providing and filling with asphaltting mixturez (60% asphalt, 30% sand,8% saw dust and 2% cement by weight) in joints of size 100 mm x 20 mm in road slab including groove cutting.	RMT	
7.08	Providing and filling with asphaltting mixture (60% asphalt, 30% sand,8% saw dust and 2% cement by weight) in joints of size 100 mm x 20 mm in road slab.	RMT	
7.09	Providing, stacking and laying rubble soling, in a compact manner to required camber & gradient as per drawing, in subbase for road using 60 to 230 mm. hand broken black hard stones, covering and levelling the surface with a layer of murrum after filling the voids with smaller sized stones or stone chips, including watering, rolling well with power roller of 8 to 10 ton capacity and consolidating each layer, as directed.	CUM	
	Note: Since the item specification of items 8.07 is self explanatory, no detailed specifications are provided in vol.1 for these items.		
8.00	WATER SUPPLY		
8.01	Providing & laying of concealed underground waterline of 'B' class GI pipe of ISI mark of the following diameters, including all necessary excavation, painting with two coat of anti corrosive bituminous paint, sand cushioning and covering with sand, GI specials, and refilling of trenches etc. complete as directed.		
	For 100 mm dia pipe	RMT	
(A)	-do- as item no.8.01 but for 75 mm dia pipe.	RMT	
(B)	-do- as item no.8.01 but for 50 mm dia pipe.	RMT	
(C)	-do- as item no.8.01 but for 38 mm dia pipe.	RMT	
(D)	-do- as item no.8.01 but for 25 mm dia pipe.	RMT	
(E)	-do- as item no.8.01 but for 12 mm dia pipe.	RMT	
8.02	providing & fixing open GI ;B; class water supply pipe line of ISI mark of following diameters at all levels, including all necessary specials, fixing with clamps with approved wood gutties/MS clamps, making holes, cutting floors, making good and walls and floors after work and applying two coats of aluminum or any other enamel paint of approved make etc. complete as directed.		
(A)	as above item no.8.02 for 100 mm dia	RMT	

(B)	-do- as item no.8.02 but for 75 mm dia line.	RMT	
(C)	-do- as item no.8.02 but for 50 mm dia line.	RMT	
(D)	-do- as item no.8.02 but for 38 mm dia line.	RMT	
(E)	-do- as item no.8.02 but for 25 mm dia line.	RMT	
(F)	-do- as item no.8.02 but for 20 mm dia line.	RMT	
(G)	-do- as item no.8.02 but for 12 mm dia line.	RMT	
8.03	Labour charges for fixing half turn lever operated valve of approved ISI marked quality and make for lines of following diameters as directed.	NO	
8.04	-do- as item no.8.03 but for 12 mm dia.	NO	
	-do- as item no.8.03 but for 20mm dia.	NO	
	-do- as item no.8.03 but for 25mm dia.	NO	
	-do- as item no.8.03 but for 38 mm dia.	NO	
	-do- as item no.8.03 but for 50mm dia.	NO	
	-do- as item no.8.03 but for 75mm dia.	NO	
	-do- as item no.8.03 but for 100 mm dia.	NO	
8.05	Labour charges for fixing chromium plated brass bib cock of approved ISI quality like Essco/Ark/Gem/Jaquar with chromium plated disc etc. complete for concealed pipe line.		
	-do- for 15 mm dia	NO	
8.06	-do- as per item no.8.05 but with long/short body bib cock.	NO	
8.07	Labour charges for fixing 12 mm, chromium plated concealed brass heavy-duty stop cock of approved ISI quality or equivalent make like Essco/Ark/Gem/Jaquar with chromium plated disc etc.as directed by Engineer.	NO	
8.08	Labour charges for fixing 12mm dia chromium plated heavy-duty brass angle valve of approved ISI quality or equivalent make like Essco/Ark/Gem/Jaquar with chromium plated disc etc.as directed by Engineer.	NO	
8.09	Labour charges for fixing C.I. Manhole cover with collar of 40 kg wt. Including fixing of C.I. Frame	NO	
8.10	Labour charges for fixing C.I. Manhole cover with collar of 80 kg wt. Including fixing of C.I. Frame	NO	
8.11	Labour charges for fixing C.I. Manhole cover with collar of 110 kg wt. Including fixing of C.I. Frame	NO	
8.12	Labour charges for fixing 'B' class GI rain water spout of 50 mm dia and length 200 to 450 mm including cutting the brick work or RCC and fixing the same, making good the surface after the work is complete, including painting of pipe etc.complete as directed.	NO	
8.13	-do- as item no.8.12 but for 38 mm dia	NO	
8.14	Labour charges for fixing porcelain shower rose of approved ISI make with chromium plated disc, shower arm etc. complete as directed.	NO	
8.15	Labour charges for fixing 6 mm dia asbestos string all around GI water pipe line of following diameter as instruction complete as directed by engineer (Measurement to be given in RM of the treated GI pipe line)		
	for 25 mm dia line	RMT	
8.15 (A)	-do- as per item no.8.15 but for 12 mm dia line.	RMT	
8.16	Labour charges for fixing chromium plated towel rail or required length and diameter including holders on both ends etc. complete as directed.	NO	
8.17	providing & fixing C.I. Manhole cover of 40 kg wt. Including fixing of C.I. Frame	NO	
8.18	providing & fixing C.I. Manhole cover of 80 kg wt. Including fixing of C.I. Frame	NO	
8.19	providing & fixing C.I. Manhole cover of 110 kg wt. Including fixing of C.I. Frame	NO	

8.20	Providing, fixing, testing & commissioning of CPVC (SDR-11 class) concealed/expose pipes in wall (center point) and floor having National Sanitation Foundation (NSF) seal for potable water of following nominal size (as per Copper Tube Size - CTS) having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, cutting chases, with necessary supports viz., clamps, brackets and making them good, testing etc. complete as per drawing ,as per manufacturer guide line, and direction and satisfaction of Engineer in Charge of the following nominal bore (NB - ID) size :(all masonry / concrete supports, etc shall be measured and paid separately in the relevant tender item of civil / plumbing work) Rate shall be inclusive of all T,Y,bends,elbows,reducers etc		
a	12mm dia	RMT	
b	20mm dia	RMT	
(B)	for 25mm dia pipe	RMT	
c	50mm dia SCH-80	RMT	
d	65 mm dia SCH-80	RMT	
(D)	for 100 mm dia pipe	RMT	
8.21	Providing, fixing and testing, heavy quality ISI marked ball valve of ASTRAL (SPEARS) make, with screwed/flanged ends, factory tested at 20 kg/m2., on cPVC pipe lines of the following nominal bore (NB) size: (minimum one no of union shall be provided on either side of valve on screwed joint pipe)		
a	12mm dia	NOS	
b	20mm dia	NOS	
c	50mm dia	NOS	
d	65 mm dia	NOS	
8.22	Providing, fixing and testing, heavy quality ISI marked gun metal or brass non-return swing type valve of Zoloto / Leader, with screwed/flanged ends with EPDM washer & GI Nut bolt, factory tested at 20 kg/cm2 on Schedule 80, HDPE / GI lines of the following nominal bore (NB) size:(minimum one no of union shall be provided on either side of valve on screwed joint pipe)		
	3) 65 mm	Nos	
	4) 50 mm	Nos	
	5) 40 mm	Nos	
	6) 32 mm	Nos	
	7) 25 mm	Nos	
8.23	Providing and fixing SWR quality (type B) UPVC pipes, exposed on wall, floor / suspended to ceiling, of approved make conforming to IS 13592-92 with necessary specials (solvent cementing or click ring type) confirming to IS 14735-99 laid in proper line and level with necessary supports viz., clamps, brackets, and making them good, testing etc. complete as per drawing and direction and satisfaction of Engineer in Charge of the following OD size : (Inclusive of all support clamps, brackets, hangers including fixing accessories & T,Y,bends,elbows,reducers etc.)		
	1) 150 mm,	Rmt	
	2) 100 mm,	Rmt	
	3) 90 mm,	Rmt	
	4) 75 mm,	Rmt	
8.24	labour charges for fixing open/cocealed GI ;B; class water supply pipe line of ISI mark of following diameters at all levels, including all necessary specials, fixing with clamps with approved wood gutties/MS clamps, making holes, cutting floors, making good and walls and floors after work and applying two coats of aluminum or any other enamel paint of approved make etc. complete as directed.		

(A)	as above item no.8.02 for 100 mm dia	Rmt	
(B)	-do- as item no.8.02 but for 75 mm dia line.	Rmt	
(C)	-do- as item no.8.02 but for 50 mm dia line.	Rmt	
(D)	-do- as item no.8.02 but for 38 mm dia line.	Rmt	
(E)	-do- as item no.8.02 but for 25 mm dia line.	Rmt	
(F)	-do- as item no.8.02 but for 20 mm dia line.	Rmt	
(G)	-do- as item no.8.02 but for 12 mm dia line.	Rmt	
8.25	Providing & laying Non Pressure Hume pipe of approved NP2/NP3 class quality including excavation trenches, laying the pipes as per layout and drawing, filling the joints with stiff mixture of cement mortar (1:1) and jute, curing, testing the pipe and refilling the trenches etc. complete as directed.		
(A)	-do-for 300 mm dia pipe	RMT	
(B)	-do- as item no. 9.23 but for 450 mm dia pipe.	RMT	
(C)	-do- as item no. 9.23 but for 600 mm dia pipe.	RMT	
(D)	-do- as item no. 9.23 but for 750 mm dia pipe.	RMT	
9.00	SANITARY WORK		
9.01	Providing and laying stoneware pipe of approved first quality including all necessary fittings, excavation or trenches up to required depth, laying 150 mm thick BBCC 1:5:10 (1cement :5 coarse sand : 10 brickbat) as bedding, laying and jointing the pipe in line and level, with CM (1:1) and jute fibers, curing,encasing with BBCC 1:5:10 all around of the pipe, refilling of the trenches, testing etc. complete as directed.		
	-do- as above for 300 mm dia.	RMT	
(A)	-do- as item no.9.01 but for 230 mm dia pipe.	RMT	
(B)	-do- as item no.9.01 but for 150 mm dia pipe.	RMT	
(C)	-do- as item no.9.01 but for 100 mm dia pipe.	RMT	
9.02	Providing and laying PVC pipe line of 6 kg/cm2 concealed in the structures as per layout, details and requirement including cutting the floor, wall making good after the work is complete, fixing the pipe with all necessary specials such as Y-s,T-s, bends etc. complete as directed.(Make:- Finolex)		
(A)	for 200mm dia pipe	RMT	
(B)	for 160 mm dia pipe	RMT	
(C)	for 140 mm dia pipe	RMT	
(D)	for 110 mm dia pipe	RMT	
(E)	for 90 mm dia pipe	RMT	
(F)	for 75 mm dia pipe	RMT	
(G)	for 63 mm dia pipe	RMT	
9.03	Labour charge for fixing PVC pipe line with necessary fittings and fixing the pipe with all necessary specials such as Y-s,T-s, bends etc. complete as directed.		
(A)	for 250 mm dia pipe	RMT	
(B)	for 200 mm dia pipe	RMT	
(C)	for 160 mm dia pipe	RMT	
(D)	for 140 mm dia pipe	RMT	
(E)	for 110 mm dia pipe	RMT	
(F)	for 90 mm dia pipe	RMT	
(G)	for 75 mm dia pipe	RMT	
(H)	for 63 mm dia pipe	RMT	

9.04	Labour charges for fixing stainless steel sink of ISI mark, of size 600 x 450x 200 or 250 mm with drain board on one side including all necessary fittings and special such as CI brackets, overflow, rubber plugs, CP brass chain, 31 mm dia. CP waste pipe applying two coats of aluminum paint to the brackets etc. complete as directed.	NO	
9.05	Labour charges for construction 100 mm dia. Stoneware galley trap and chamber with CI cover including excavation, foundation concrete BBCC 1:5:10 and 230 mm wide masonry in CM 1:6, Plaster and back filling etc. complete as directed.	NO	
9.06	Labour charges for fixing 100 mm HCI Nahani trap of approved make with perforated brass cast CP jali including cutting the floor and fixing trap in CC 1:2:4 making good the floor etc. complete as directed.	NO	
9.07	Labour charges for fixing "AMUL TRAP " of approved make as directed.	NO	
a	Supplying and fixing of Amul trap (grade SS304) of size 300 x 300mm main bowl and outlet with 100mm dia stainless steel pipe as approved by Engineer in charge(Rate shall be inclusive of grouting & making the trap opening fully water tight.)	nos	
9.08	Constructing Inspection chambers of inside size 450 x 450 mm and depth up to 1 meter, Rate includes excavation, BBCC 1:4:8 in foundation 150 mm thick, 230 mm wide brick masonry wall, in CM 1:6, 12 mm thick plaster in CM 1:4 in both inside and outside of chamber, Indian Patent stone flooring (1:2:4), with making drain channel, return filling, medium type CI cover weighing 40 kg of approved make with frame and 150 mm thick RCC 1:2:4 slab with standard reinforcement etc. complete as directed.	NO	
9.09	Constructing Inspection chambers below size 600 x 600 mm and depth up to 1 meter, Rate includes excavation, BBCC 1:4:8 in foundation 150 mm thick, 230 mm wide brick masonry wall, in CM 1:6, 12 mm thick plaster in CM 1:4 in both inside and outside of chamber, Indian Patent stone flooring (1:2:4), with making drain channel, return filling, medium type CI cover weighing 40 kg of approved make with frame and 150 mm thick RCC 1:2:4 slab with standard reinforcement etc. complete as directed.	NO	
9.10	-do- same as item no.9.09 but inspection chamber dimensions 1 x 1 mt (inside) and depth from 1 M to 1.5 M with heavy type CI cover 500 /450 mm dia. Weighing 80 kg with cover.	NO	
9.11	Construction of 1.2 M x 1.2M (inside dimension) and 1.5 M to 2.0 M depth manholes. The rate includes excavation, 150 mm thick BBCC 1:4:8 in foundation 230 mm wide brick masonry walls in CM 1:6, 12 mm thick plastering in inside and outside of chamber in CM 1:4, channels, IPS flooring, making drain channel, CI/MS rungs with paint, steps, CI cover 450 mm dia. weighing 80 kgs with cover and 150 mm thick RCC 1:2:4 slab with standard reinforcement etc. complete.	NO	
9.12	Providing & fixing 150 mm dia PVC pipe for rain water disposal including welding of joints, fixing with MS clamps as per details and as directed. This also includes fixing of shoe bend. The item shall be measured in RM and nothing extra shall be paid for the fittings.	RMT	
9.13	-do- as item no.9.12 ut for 100 mm dia line.	RMT	
9.14	Providing and fixing both side polished, single piece 20 mm thick Indian Marble Pardi using Adanga marble or any other approved marble with machine cut edges and cut to required shape etc. complete as directed.	SQM	

9.15	Labour charges for fixing first quality Hindustan or equivalent white glazed vitreous china W.C. Orrisa pan size 580 mm with 100 sand cast CI 'P' or 'S' trap of approved ISI mark in cement concrete 1:2:4 (1cement: 2 sand:4 stone aggregate) and providing and fixing the 25 mm dial half turn heavy duty ISI mark flush cock including cutting and making good the walls and floors etc. all complete as directed.	NO	
9.16	Providing and fixing large flat back white glazed first quality lipped urinal of approved make such as Hindustan / Neycer or equivalent including chromium plated angle valve, brass CP spreader and CP pipe, 31 mm dia chromium plated waste coupling with required length of 32 mm dia concealed GI pipe up to the drain and bend, fixing clamps complete as directed.	NO	
9.17	Labour charges for fixing first quality white glazed wash basin of 550 mm x 400 mm size, approved shape as per detail of approved make and quality such as Hindustan/Neycer or equivalent with necessary specials, one chromium plated brass pillar cock of 15 mm size,one 15 mm CP angle valve chromium plated, connection CP pipes with nuts and all fittings, 31 mm dia CP waste coupling and rubber plug with CP Chain, heavy brackets with two coats of aluminum paint over brackets, and 32 mm dia GI concealed waste pipe in wall with bend etc. complete as directed.	NO	
9.18	-do- as item no. 9.17 but for oval type wash basin.	NO	
9.19	Labour charges for fixing chromium plated brass flush cock approved quality and make etc. complete as directed.	NO	
9.20	Labour charges for fixing 32 mm dia chromium plated brass heavy approved quality bottle trap with necessary connecting pipe, wall flange etc. all complete as directed.	NO	
9.21	Labour charges for fixing white white glazed vitreous china recessed paper holder of approved quality and make with wooden/aluminum/PVC roller, paper roll etc. complete as directed.	NO	
9.22	Labour charges for fixing recessed soap dish of approved make and quality with necessary cutting the wall and finishing the surroundings etc.complete as directed.	NO	
9.23	Labour charges for laying Non Pressure Hume pipe of approved NP2/NP3 class quality including excavation trenches, laying the pipes as per layout and drawing, filling the joints with stiff mixture of cement mortar (1:1) and jute, curing, testing the pipe and refilling the trenches etc. complete as directed.		
(A)	-do-for 300 mm dia pipe	RMT	
(B)	-do- as item no. 9.23 but for 450 mm dia pipe.	RMT	
(C)	-do- as item no. 9.23 but for 600 mm dia pipe.	RMT	
(D)	-do- as item no. 9.23 but for 750 mm dia pipe.	RMT	
9.24	Labour charge for removing existing urinal and refixing new urinal in position with all the required fittings as directed.	NO	
9.25	Labour charge for removing existing w.c. pan /european commod and refixing new w.c. pan /european commod in position with all the required fittings as directed.	NO	
9.26	Labour charges for repairing/extention of any type & shape of masonry chamber including dismantling,masonry and plastering as specified by Engineer in charge.	NO	
9.27	Providing and construction of electrical earthing pit including 450x450x600(D) size of half brick masonry chamber including inside and outside plaster as directed by Engineer in charge.	NO	
	Note : Where ever any make or code is mentioned, the equivalent make as approved by EIC may be considered.		

9.28	<p>Providing and fixing glazed vitreous chinaware Orissa Pan water closet including all necessary fixing accessories including cutting and making good the wall and floor etc. complete as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent :</p> <ul style="list-style-type: none"> - Color : White - WC - Hindware - cat no 20042 - eco - Size - 580mm x 440mm - CP heavy duty metropole flush valve with CP wall flange - Cat. No. FLV1085 	no.	
9.29	<p>Providing & fixing vitreous china under counter type wash basin including all necessary fixing accessories, filling the gap between counter and wash basin with approved make and shade neutral cure sanitary grade silicone sealant including cutting and making good the wall and floor etc. complete as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent :</p> <ul style="list-style-type: none"> a) Color - White b) Wash basin - under counter type - Hindware - cat no 10049 - Zen c) Waste coupling - Jaquar- cat no: 709 d) Bottle trap - Jaquar - cat no 769 e) Bracket with necessary fixing accessories f) Braided hose - Jaquar - cat no ALD-803B 	no.	
9.3	<p>Providing & fixing wall mounted cantilever type vitreous china European Water Closet, 'P' or 'S' trap, with cistern including all necessary fixing accessories including cutting and making good the wall and floor etc. complete as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent :</p> <ul style="list-style-type: none"> - Color : White - WC - Hindware - cat no 20061 - Studio. - Seat cover - Poly Propylene Premium compatible with above mentioned WC - CI chair bracket with GI bolts, nuts, supporting arrangement - WC Connector - CP brass inlet connection of required length. 	Nos	
9.31	<p>Providing & fixing vitreous china wall mounted type wash basin including all necessary fixing accessories, filling the gap between wall and wash basin with approved make and shade neutral cure sanitary grade silicone sealant including cutting and making good the wall and floor etc. complete as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent :</p> <ul style="list-style-type: none"> a) Color - White b) Wash basin - HINDWARE - VIKING - 10008 c) Waste coupling - d) Bottle trap - e) Bracket with necessary fixing accessories viz. rag bolt and brass screws etc. f) Braided hose - Jaquar - cat no ALD-803B 	Nos	
9.31a	<p>Providing and fixing brass CP two way bib cock with wall flange of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent</p> <ul style="list-style-type: none"> a) Jaquar FLR 5041 N 	Nos	

9.31b	<p>Providing and fixing kitchen sink made of 100% non-magnetic, corrosion-free high grade stainless confirming to AISI-304 of approved make including cutting and making good the wall and floor etc. complete as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent</p> <p>a) Finish - Glossy b) NIRALI - cat no steel (Grace Delux Jumbo glossy type) c) PVC waste connector pipe (supplied by the manufacturer) d) Bottle Trap Jaquar make Allied series Cat. No. 769</p>	Nos	
9.31c	<p>Providing and fixing brass CP Pressmatic Pillar cock including braided hose connection of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent</p> <p>a) Jaquar PRS 031 b) Braided hose 450mm long - Jaquar - cat no ALD 805B</p>	Nos	
9.32	<p>Providing and fixing brass CP bib cock with wall flange of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent</p> <p>a) Jaquar CON 037</p>	Nos	
9.32a	<p>Providing and fixing brass CP long body bib cock with wall flange of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent</p> <p>a) Jaquar CON 107KN</p>	Nos	
9.33	<p>Providing and fixing brass CP Swan Neck Tap with Right & Left Hand Operating Knob, approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent</p> <p>a) Jaquar CON 127 BKN</p>	Nos	
9.33a	<p>Providing and fixing brass CP hand shower (health faucet) of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent</p> <p>a) Jaquar ALD 573</p>	Nos	
9.34	<p>Providing and fixing sink cock with swinging spout (wall / floor mounted) with wall flange of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent.</p> <p>a) Jaquar CON - 357</p>	Nos	
9.35	<p>Providing and fixing mirror of approved quality and make finished size with plain edges with backing of 12mm thick marine grade plywood (IS -710) with pvc sheet sandwiched between mirror and ply and fixing the same to wall using concealed CP brass chapla and screw, lacquer polished teakwood (Ghana teak) beading of 20mm x 32mm size complete as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent :</p>	Sqm	
9.36a	<p>Providing and fixing brass CP single Towel rail with round flange of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent.</p> <p>a) Jaquar - ACN 1111 N</p>	Nos	
9.36b	<p>Providing and fixing brass CP Towel ring square with round flange of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent.</p> <p>a) Jaquar - ACN 1121 N</p>	Nos	
9.36c	<p>Providing and fixing brass CP double coat hook of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent.</p> <p>a) Jaquar - ACN 1161 N</p>	Nos	

9.37	Providing and fixing brass CP toilet roll holder of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent. a) Jaquar - cat no ACN 1151 N	Nos	
9.38	Providing and fixing brass CP soap dish of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent. a) Jaquar - cat no ACN 1131 N	Nos	
9.39	Providing and fixing brass CP angular stop cock with wall flange of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent a) Jaquar CON 053 N	Nos	
9.40	Providing and fixing sink cock with swinging spout (wall / floor mounted) with wall flange of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent. a) Jaquar - cat no FLR5359N	Nos	
9.41	Providing and fixing over head shower and brass CP shower arm with wall flange of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent. a) Overhead shower - Jaquar - cat no CON 497 b) Shower arm - Jaquar - cat no SHA 477	Nos	
9.42	Providing and fixing kitchen sink made of 100% non-magnetic, corrosion-free high grade stainless confirming to AISI-304 of approved make including cutting and making good the wall and floor etc. complete as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent a) Finish - Glossy b) Nirali - cat no GRACE DELUX- 610 mm x 460 mm and depth 254 mm (including waste coupling / strainer) c) PVC waste connector pipe (supplied by the manufacturer) d) 1 no. angular stop cock jaquar cat no. 5059N	Nos	
9.43	Providing and fixing brass CP open wall mixer with bent pipe of approved make with wall flange as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent a) Jaquar CON 273	Nos	
9.44	Providing & fixing vitreous china urinal including all necessary fixing accessories, filling the gap between urinal and wall with approved make and shade neutral cure sanitary grade silicone sealant including cutting and making good the wall and floor etc. complete as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent : a) Color - White b) Urinal - Hindware - cat no 60002 - Flat back large c) Waste coupling - Jaquar- cat no: 709 d) Bottle trap - Jaquar - cat no 769 e) Necessary fixing accessories viz spreader, brass cp connector etc.	Nos	
9.45	Providing and fixing a vitreous chinaware Ivory colour division plat for Urinal of Hindustan make with brass screws silicon sealant etc. complete.	Nos	
9.46	Providing and fixing brass CP spout with wall flange of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent. a) Spout - Jaquar - cat no CON 429	Nos	

9.47	Providing and fixing brass CP Pressmatic flush valve for urinal of approved make as per drawing and direction and satisfaction of Engineer in Charge with following or equivalent a) Jaquar PRS 077 (with required length of CP brass connection)	Nos	
	Note: (1) Septic tanks, soak pits, underground sumps, cable trenches of various sizes, chambers having size other than specified above will be measured under relevant items of work.		
	(2) Since the item specification of item 9.23,9.24 are self explanatory, no detailed specification are provided in vol.I		
10.00	MISCELLANEOUS ITEMS		
10.01	Filling the electrical zaries 250 mm to 150 mm wide and 50 mm to 100mm deep with cement mortar 1:3 and finishing the same to match with the surrounding white wash of any other finish, etc. complete as directed.	RMT	
10.02	Dismantling brick masonry walls and partitions, plastered or unplastered as per instructions including finishing the broken surface to match with the surrounding, removing the debris as directed within site, cutting if any etc. complete as directed. The dismantling of stone masonry, BBCC, PCC & stone pitching would be measured under this item. Directed within the site area up to a lead of 500mtr.	CUM	
10.03	Dismantling the RCC beams, columns, slabs, equipment foundation etc. including finishing the broken surface to match with the surrounding, removing the debris within site, including cutting the reinforcement if any etc. complete as directed. within the site area up to a lead of 500mtr	CUM	
10.04	Providing and filling the zaris 25 mm to 150 mm wide and 50 to 100 mm deep with PCC (1:2:4) and finishing with plaster to match with surroundings including chiseling scaffolding, curing etc. complete as directed.	RMT	
10.05	Making holes up to 30 cms in dia or 30x30 cms in size in RCC works and filling the same with PCC (1:2:4) and finishing the same as per surrounding including scaffolding, cutting the reinforcement bars, curing etc. complete as directed.	NO	
10.06	-do- as per 10.05 but making hole in brick masonry wall.	NO	
10.07	Providing and fixing removable CI gratings of approved quality for rain water pipes including painting the same with two coats of approved enamel paint as directed. For 100 mm dia	NO	
10.08	-do- as item no.10.07 but with 150 mm dia	NO	
10.09	Providing and fixing FRC cover having size of 600 x 600 mm square frame with 80 to 100 mm round /square cover for MH Chamber(perforated or plain cover)	NO	
10.10	Providing and fixing FRC cover having size of 750 x 750 mm square frame with 80 to 100 mm round/square cover for MH Chamber(perforated or plain cover)	NO	
10.11	Labour charges for chipping of the smooth/sand face plaster dedo from the existing wall surface cleaning including necessary scaffolding, removing the debris out side of site as directed etc. all complete.	SQM	
10.12	Dismantling of existing flooring such as mandana, Kotah stone, cast iron tiles, mosaic tiles, IPS, any type of tile & flooring etc. including the bedding mortar and removing the debris up to a lead of 500 mts within the site etc. complete as directed	SQM	
10.13	Providing, repairing & filling of Epoxy joint (8 to 10 mm thick) in Red mandana flooring/Acid proof endura tiles mixed with 200 gm Hardner, 500 gm Resin and 1 kg Epoxy powder.	RMT	
10.14	Providing and laying 25 cm thick rubble stone pitching including the cost of stone and labours including joint filling of vata with CM (1:6)	SQM	

10.15	Manpower requirement		
(A)	1. Daily wage for Mason per day	DAY	
(B)	2. Daily wage for Carpenter per day	DAY	
(C)	3. Daily wage for unskilled labour per day	DAY	
(D)	4. Daily wage for Fitter per day	DAY	
(E)	5. Daily wage for Plumber per day	DAY	
10.16	Supply of materials		
(A)	1. Cement of 53 grade OPC of ISI mark per bag (50kg) including all cost.	BAG	
(B)	2. Fine Sand including all cost.	BRASS	
(C)	3.0 Aggregate size of 6 mm & 10 mm (Grit) mm including all cost & placing at any place as directed	BRASS	
(D)	4.0 Aggregate size of 10 to 20 mm (Kapchi) including all cost & placing at any place as directed.	BRASS	
(E)	5 Aggregate/ Metal of size 75 micron to 53 mm for W.M.M including all cost	BRASS	
(F)	6.0 Aggregate/ Metal of size of 45-90 mm for W.B.M/W.M.M including all cost	BRASS	
(G)	7.0 Aggregate/ Metal of size of 65 to 100 mm for W.B.M/W.M.M including all cost	BRASS	
(H)	8.0 I class Bricks having crushing strength not less than 80 kg/cm ² including all cost.	NO	
(I)	9.0 Supplying & placing of uncoursed rubble soling stone including all cost	BRASS	
(J)	10.0 Supplying of coursed rubble stone (Khanda) having size of 8" x6" x 6" or equivalent.	NO	
(K)	11.0 Supplying of Murrum for road work	BRASS	
10.17	Providing and making vata of size 4" x 4" (Triangle shape) surrounding cilo with CC (1cement :2 sand :4 grit) including plastering etc complete.	RMT	
10.18	Making mirror polish to the red mandana flooring works.	SQM	
10.19	Making polish to the red mandana flooring works.	SQM	
10.20	Dismantling of brick bat water proofing including plaster and removing all debris from the site.	SQM	
10.21	Making Pocket of size 75 mm to 150 mm dia and up to 300 mm in machine foundation	NO	
10.22	Labour work for fixing acid proof tiles of 12 mm to 15 mm thick in floor & dado fixed over 13 mm thick CM (1:3) including the epoxy joint filling etc. complete as engineer directed. (Only Tiles and Epoxy materials supplied by dairy)	SQM	
10.23	Labour work for removing of old joints and refilling the epoxy joint in existing acid proof tiles or red mandana flooring work. (Epoxy materials supplied by dairy.	RMT	
10.24	Providing and fixing 60 mm thick unpolished paving block fixed over 100 mm thick sand bedding including compaction & joint filling etc complete.	SQM	
10.25	Providing and fixing 60 mm thick polished/ Rubber mould paving block fixed over 100 mm thick sand bedding including compaction & joint filling etc complete.Coloured paving block shall be approved make by dairy.	SQM	
10.26	Labour work for fixing unpolished paving block/ Polished paving block fixed over 100 mm thick sand bedding including compaction & joint filling etc complete. (Only Paving block/ RCC precast slab shall be supplied by dairy and other materials shall be inclusive in this items)	SQM	
10.27	Labour work for fixing 250 mm thick rubble stone pitching including the filling joints by CM (1:6) etc.complete. (Only stone supplied by dairy)	SQM	

10.28	Only labour work for fixing CI tiles for flooring and skirting including cement, sand, aggregate and other required materials. (CI Tiles shall be supplied by dairy)	SQM	
10.29	Excavation in all types of soil for laying of any cable of 300 mm width and 900 mm depth including laying bricks, sand and refilling the trench, watering and consolidation & Excluding cost of Bricks, sand & Labour charges for cable Laying.	RMT	
10.30	Carting away the excavated surplus earth/debris generated out of dismantling works. The items includes the loading & transportation cost . The surplus earth/debris must be removed from the dairy Premises on the cost & risk of contractor at any Lead.	Trip	
10.31	Providing and fixing Pre-Cast concrete slab of M20 grade for foot path or MH Cover or Cattle Trench cover. For 60 mm to 75 mm thick. The necessary reinforcement will be paid extra. The detailed specification shall be provided by the engineer. The joint shall be filled with CM 1:2.	SQM	
10.32	Only labour work for fixing of ready made MS gate at proper position. The fixing of gate included the plumbing, levelling and in line.	SQM	
10.33	Labour work for removing of Precast paving block from foot path including loading and unloading from the site & Stacking as per Instruction Upto Lead of 500 mt.	SQM	
10.34	Only labour work for fixing ready made chain link fencing with CC block (1:2:4) 300x300 x 300 mm size.	SQM	
10.35	Drilling and Inserting of PVC Pipe or GI pipe below the existing road without any damage in roadwork. (Pipe to be supplied by dairy) For 100 mm dia to 150 mm dia	RMT	
10.36	do as above from Item no 10.35 200MM to 300MM dia		
10.37	Providing and laying HDPE pipe of 12 mm thick (PE 80 Grade) PN 6 (Pressure 6 kG/ Sq.cm) of approved quality including all necessary bends, Tee, Flanges, fittings etc. required and connected to HDPE chambers (all the joints should be waterproof) , including excavation trenches up to required depth, laying 150 mm thick BBCC 1:4:8 (1cement :4 coarse sand : 8 brickbat) as bedding, laying and jointing the pipe in line and level, with CM (1:1) and curing, encasing with PCC 1:4:8 all around of the pipe, refilling of the trenches, testing etc. complete as directed. PCC for Encasing will be paid separately.		
(A)	do-for 100 mm dia pipe	RMT	
(B)	+	RMT	
(C)	do-for 200 mm dia pipe	RMT	
(D)	do-for 315mm dia pipe	RMT	
(E)	do-for 355 mm dia pipe	RMT	
10.38	Providing RCC Breaker for dismantling of RCC work or brick masonry work on daily basis.	Day	
10.39	Providing JCB for excavation or dismantling of RCC work or brick masonry work on Hour basis.	Hr	
10.40	Making mirror polish to the kota/marble/ granite stone flooring works.	SQM	
10.41	Making polish to the kota/marble/granite stone flooring works.	SQM	
10.42	Labour Charges for Fixing of MS Base Plate for RCC foundation Support, as per direction of Engg. I/C.	KG.	
10.43	Dismantling the existing old plaster and disposing the dismantle scrap material outside the Dairy Premises as directed by Engineer in Charge.	SQM	
10.44	Providing and making following diameter core cutting to the existing slab upto 150mm depth and cleaning & removing the dismantled RCC material from site as directed by Engineer in Charge.		
a	100mm diameter.	No.	
b	150 mm diameter.	No.	

c	20mm diameter.	No.	
10.45	Providing and making following diameter core cutting to the existing Column/Beam upto 300mm depth and cleaning & removing the dismantled RCC material from site as directed by Engineer in Charge.		
a	100mm diameter.	No.	
b	150 mm diameter.	No.	
c	200mm diameter.	No.	
10.46	Providing and fitting following dia. Bars for rebaring work by making hole in the existing RCC structure for required diameter (3 mm more than the bar dia.) upto 200mm depth for column,50mm depth for slab and 150mm depth for beam. Before erection of steel reinforcement, the hole should be cleaned from concrete dust by blower and fixing the bars in the hole by applying HILTY make rebaring chemical as directed by Engineer in Charge.		
a	8mm diameter	No.	
b	10mm mm diameter	No.	
c	12 mm diameter	No.	
d	16mm mm diameter	No.	
10.47	Providing and applying Rapid Hardning Cement/GP2 of approved make like Fosroc, Andura to the existing Equipment foundation as and where required as directed by Engineer in Charge.(Payment made on actual work done in volumetric bases.)	Cmt	
10.48	Providing and laying non-pressure NP2 class R.C.C. pipes with collars, jointed with stiff cement mortar 1:2(1 cement :2 fine sand) to correct levels including testing of joints and making good leakages, wherever required.		
(A)	200mm dia.	RMT	
(B)	250mm dia.	RMT	
(C)	300mm dia.	RMT	
(D)	450mm dia.	RMT	
(E)	600mm dia.	RMT	
11	Construction of compound wall		
11.01	Site Clearance at site(width 2 mt)	SMT	
11.02	Dismantling of Rubble Masonry wall from site and usable material shall be stacking near the site and other non usable debris shall be removed from the site within 300 mt lead	CMT	
11.03	Dismantling of RCC Coping and usable material shall be stacking near the site and other non usable debris shall be removed from the site within 300 mt lead including site clearance	CMT	
11.04	Excavation for foundation up to 1.5 mt depth.	CMT	
11.05	Excavation for foundation 1.5 to 3.00 mt depth.	CMT	
11.06	Providing and Laying Plain Cement Concrete (1:4:8) including all material and labour cost and work to be done as instructed by engineer I/C	CMT	
11.07	Providing and laying Un-coursed rubble masonry work with hard stone of approved quality up to plinth level in cement mortar 1:5 (1 cement : 5 Sand) including cost of cement, sand, water, labour but excluding the cost of rubble stone. (It is note that rubble stone will be supplied by Dairy, so you are have to quote only remaining material and labour cost)	CMT	
11.08	Providing and laying coursed rubble masonry work with hard stone of approved quality above plinth level and up to 5 mt height in cement mortar 1:5 (1 cement : 5 Sand) including cost of cement, sand, water, labour but excluding the cost of rubble stone. (It is note that rubble stone will be supplied by Dairy, so you are have to quote only remaining material and labour cost)	CMT	
11.09	Providing and Laying RCC coping (1:2:4) including all material and labour cost and work to be done as instructed by engineer I/C	CMT	

11.10	Providing and fixing of TMT Bars of Tata Tiscon make only. (The cost including cutting , bending, binding and labour) Measurement to be done as per drawing.	KG	
11.11	Laobur charges for fixing MS Grill as per instructed by Engineer I/C. (approximate size 3 mt x 0.75) (Note: M S Grill supplied by Dairy)	No	
11.12	Pointing on un-coursed stone masonry with cement mortar 1:3	SQM	
11.13	Pointing on coursed stone masonry with cement mortar 1:3	SQM	
11.14	Providing and applying 15 mm thick smooth cement plaster C:M (1:4) including all cost.	SQM	
11.16	Labour charge for repairing old redmandana stone flooring by removing,refixing & epoxy grouting with required material.	SQM	
11.17	Labour charge for repairing old Plain & rough Kota,green marble,etc stone flooring by removing & refixing with required material.	SQM	
11.18	Providing and fixing green marble in floor or dado including 50 mm thick bedding materials in c.m. 1:6 and joint filling by araldite or other materials including mirror polish etc complete as engineer directed.	SQM	
	1. Rate shall be quote inclusive of all applicable taxes, service taxes, GST, VAT, Excise duty,royalties Transportation etc. No extra rate shall be paid.		
	2. Material shall be check from the Engineer I/C before execution of work.		
	3. Contractor has to provide the services for the year of 2022-2023 & 2023-2024 or till further new order		
	4. Contractor has to furnish adequate manpower , as and when he is awarded any type of work , at any time ,related to the Tender Item, refusal to it shall lead to termination of contract / Penalty for refusal.		
	5. In case of Contractor will refuse to execute the small work, he may liable to reject the contract without prior notice.		
	6. Contractor is responsible to provide services for any time, any season during the contract period.		
	7. If contractor shall not maintain the good quality of work, he is liable to reject the contract.		
	8. During the contract period, contractor has to clean the site every day and remove the scrap material to the scrap yard and advice by I/c Engineer.		
	9. Work shall be allotted as per our requirement and our decision.		
	10. Adequate safety measures shall be taken by the contractor for their personnels during the execution of the work. In case of any accident no compensation shall be paid by dairy. There shall not be any liability of this nature to Banas dairy.		
	11.Safety equipments like Helmets, safety Belts, etc shall be used during the execution of the work.		
	12. Payment shall be made after completion of works & verification of measurements.		
	13.Penalty shall be imposed incase of any work is found to be of sub standard and as per management guidance.		
	14.The contractor has to abide the rules & regulations of banas dairy. The worker should be free from any dieses and should not have any adiction of tobacco etc.		
	15. The contractor should have experience of minimum 5 years of industrial building & should have done similar work in any Institution/ Organisation for atleast 2 years.		
	16. The contractor has to submit his work experience to establish his credential of having experience in the same nature and for required years.		

	17. Either mentioned or not mentioned in Item description, scaffolding if required for any work shall be in scope of contractor on non chargeable basis & the contractor have to permanently keep a set of scaffolding material like coupllock, bracing, lockpin etc for minimum 6mt ht & 3 mt width.	
	18. The non compliance of cl. No 15 & 16 shall lead to rejection of the Tender.	

Part B 2022-2023-2024**Name of work: Part B Providing and applying white washing & Painting at Banas Dairy Palanpur's lucknow unit for. Two financial year 2022-23 & 2023-24.**

Item No.	Description	Unit	Quotation Rates
1	Providing and applying white washing lime on old work at all heights with three or more coats to give an even shade to walls, ceiling, AC sheets etc. with brush, mixing 5 ltrs. Water with 1 kg lime 3 gm Robin blue (Neel) & 25 gm Gum of Pidilite co or equivalent. The rates includes all materials, labour, scaffolding ladders, tools and cleaning of surrounding surfaces, floors, doors. Windows, glass etc. spoiled due to white washing work at all levels.	SMT	
2	Providing and applying white washing lime on New work at all heights with three or more coats to give an even shade to walls, ceiling, AC sheets etc. with brush, mixing 5 ltrs. Water with 1 kg lime 3 gm Robin blue (Neel) & 25 gm Gum of Pidilite co or equivalent. The rates includes all materials, labour, scaffolding ladders, tools and cleaning of surrounding surfaces, floors, doors. Windows, glass etc. spoiled due to white washing work at all levels.	SMT	
3	Providing and applying two coats of approved water proofing cement paint (snowcem colour) on old work on walls and or AC sheets at all heights up to even shade with brushing, brooming etc. complete	SMT	
4	Providing and applying two coats of approved water proofing cement paint (snowcem colour) on new work on walls and or AC sheets at all heights up to even shade with brushing, brooming etc. complete	SMT	
5	Providing and applying enamel paint on old work with two coats to give an even shade over a coat of wood primer and lapi to all types of wooden surface, walls, ceiling AC/G.I. Sheets false ceiling etc. as directed. Paint shall be of approved make, quality and shade. The cost includes labour, materials, scaffolding tools, etc. at all levels.	SMT	
6	Providing and applying enamel paint on new work with two coats to give an even shade over a coat of wood primer and lapi to all types of wooden surface, walls, ceiling AC/G.I. Sheets false ceiling etc. as directed. Paint shall be of approved make, quality and shade. The cost includes labour, materials, scaffolding tools, etc. at all levels.	SMT	
7	Providing and applying Mat finished anti rust enamel paint on old work with two coats to give an even shade over a coat of anti rust primer and lapi to all types of wooden surface, walls, ceiling AC/G.I. Sheets false ceiling etc. as directed. Paint shall be of approved make, quality and shade. The cost includes labour, materials, scaffolding tools, etc. at all levels.	SMT	
8	-do- as item no.5 but for GI/CI/MS pipe/MS Angle/ MS Channel having size of 25 mm to 50 mm	RMT	
9	-do- as item no.5 but for GI/CI/MS pipe/MS Angle/ MS Channel having size of 50 mm to 100 mm	RMT	
10	-do- as item no.5 but for GI/CI/MS pipe/MS Angle/ MS Channel having dia 101 mm to 150 mm	RMT	
11	-do- as item no.5 but for GI/CI/MS pipe/MS Angle/ MS Channel having dia 151 mm to 200 mm	RMT	
12	-do- as item no.5 but for GI/CI/MS pipe/MS Angle/ MS Channel having dia 200 mm to 250 mm	RMT	
13	-do- as item no.5 but for Kerbing on roads of Yellow and black oil paint etc.complete	RMT	

14	Providing and applying Mat finished anti rust enamel paint on new work with two coats to give an even shade over a coat of anti rust primer and lapi to all types of wooden surface, walls, ceiling AC/G.I. Sheets false ceiling etc. as directed. Paint shall be of approved make, quality and shade. The cost includes labour, materials, scaffolding tools, etc. at all levels.	SMT	
15	-do- as item no.6 but for GI/CI/MS pipe/MS Angle/ MS Channel having size of 25 mm to 50 mm	RMT	
16	-do- as item no.6 but for GI/CI/MS pipe/MS Angle/ MS Channel having size of 51 mm to 100 mm	RMT	
17	-do- as item no.6 but for GI/CI/MS pipe/MS Angle/ MS Channel having dia 101 mm to 150 mm	RMT	
18	-do- as item no.6 but for GI/CI/MS pipe/MS Angle/ MS Channel having dia 151 mm to 200 mm	RMT	
19	-do- as item no.6 but for GI/CI/MS pipe/MS Angle/ MS Channel having dia 200 mm to 250 mm	RMT	
20	-do- as item no.6 but for Kerbing on roads of Yellow and black oil paint etc.complete	RMT	
21	Providing and applying silver alluminum paint (Metalic) on old work with two coats to give an even shade over a coat of steel primer as directed. Paint shall be of approved make, quality and shade. The cost includes labour, materials, scaffolding tools, etc. at all levels.	SMT	
22	Providing and applying silver alluminum paint (Metalic) on new work with two coats to give an even shade over a coat of steel primer as directed. Paint shall be of approved make, quality and shade. The cost includes labour, materials, scaffolding tools, etc. at all levels.	SMT	
23	Providing and applying two coats of Ready made Distemper acrylic type of approved make and shade on old surface including scaffolding, labour, etc. directed at all levels.	SMT	
24	Providing and applying two coats of Ready made Distemper acrylic type of approved make and shade on new surface including scaffolding, labour, etc. directed at all levels.	SMT	
25	Providing and applying two coats of Ready made Asian Apex make and any shade on old surface including scaffolding, labour, etc. directed at all levels.	SMT	
26	Providing and applying Ready made Asian paint Apex make and any shade on new surface with two coats to give an even shade over a coat of base coat and lapi to walls, ceiling etc. at all levels including materials, labour, scaffolding, cleaning etc. as required at all levels. Final finish shall be done by roller.including scaffolding, labour, etc. directed at all levels.	SMT	
27	Providing and applying two coats of Ready made Asian Apex make and any shade on old surface including scaffolding, labour, etc. directed at all levels for 75 mm to 150 mm wide Patta	RMT	
28	Providing and applying two coats of Ready made Asian Apex make and any shade on new surface including scaffolding, labour, etc. directed at all levels for 75 mm to 150 mm wide Patta	RMT	
29	Providing and applying plastic emulsion paint of approved make and shade on old work with two coats to give an even shade over a coat of base coat and lapi to walls, ceiling etc. at all levels including materials, labour, scaffolding, cleaning etc. as required at all levels. Final finish shall be done by roller.	SMT	
30	Providing and applying plastic emulsion paint of approved make and shade on new work with two coats to give an even shade over a coat of base coat/ Primer and lapi to walls, ceiling etc. at all levels including materials, labour, scaffolding, cleaning etc. as required at all levels.	SMT	
31	Providing and applying Heat proofing "Janta Sem", "Cold Home" etc. make at the terrace with complete cleaning, brushing of old surface with sprinkling water etc. during summer season, including materials, labours etc. complete.	SMT	
32	Providing and applying French polish on Previously polished wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand paper smooth including a coat of wood filler etc. complete as per instruction of I/C Engineer.	SMT	

33	Providing and applying French polish on New polished wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand paper smooth including a coat of wood filler etc. complete as per instruction of I/C Engineer.	SMT	
34	Providing and applying French polish on Previously polished wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand paper smooth including a coat of wood filler etc. complete as per instruction of I/C Engineer. (This is for bedding patti)	RMT	
35	Providing and applying French polish on New polished wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand paper smooth including a coat of wood filler etc. complete as per instruction of I/C Engineer. (This is for bedding patti)	RMT	
36	Painting of streetlight poles of 3 mtrs with aluminum paint on old surface including supply of material and labour cost.	Nos	
37	Painting of streetlight poles of 3 mtrs with aluminum paint on new surface including supply of material and labour cost.	Nos	
38	Painting of streetlight poles of 6 mtrs with aluminum paint on old surface including supply of material and labour cost.	Nos	
39	Painting of streetlight poles of 6 mtrs with aluminum paint on new surface including supply of material and labour cost.	Nos	
40	Providing and applying enamel paint/oil paint on old work with two coats to give an even shade over a coat of redoxide primer to all types of MS Grils and Jali in compound wall or in quarters. Paint shall be of approved Asian make, quality and shade. The cost includes labour, materials, scaffolding tools, etc. at all levels. (Measurement shall be taken at one side only)	SMT	
41	Providing and applying enamel paint/oil paint on new work with two coats to give an even shade over a coat of redoxide primer to all types of MS Grils and Jali in compound wall or in quarters. Paint shall be of approved Asian make, quality and shade. The cost includes labour, materials, scaffolding tools, etc. at all levels. (Measurement shall be taken at one side only)	SMT	
42	Providing and applying of Asian make Anti fungle paints on old surface as directed by engineer incharge including material and labour cost , scaffolding tools, etc. at all levels.	SMT	
43	Providing and applying of Asian make Anti fungle paints of any color on new surface as directed by engineer incharge including material and labour cost, scaffolding tools, etc. at all levels.	SMT	
44	Providing and applying of approved make acid resistance epoxy paint/coat in flooring, foundation or dado as directed by engineer incharge including material and labour cost.	SMT	
45	Providing and applying of birla putti with single coats to give in even shade on existing surface on old work.	SMT	
46	Providing and applying of birla putti with single coats to give in even shade on existing surface on old work.	SMT	
47	Providing and applying of approved make Thermoplast paint as Road Marker of 2mm thick and 150mm wide patta in flooring as directed by engineer incharge including material and labour cost.	RMT	

48	Providing and applying external finish of average 2 to 2.5mm thick acrylic polymer based texture (no need of paint) of luture or equivalent with standard tool and applicator as specified by manufacturer on exterior surfaces at all heights including scaffolding to give even shades including thoroughly brushing the surfaces free from mortar dropping and other foreign matter and sand paper smoothed, necessary primer etc. complete as per the manufacture specifications and up to the satisfaction of Engineer in-charge/ Architect. The rate includes cost of labour, materials, scaffolding tools, etc. at all levels & making of pattern, grooves, pattas, finishing and protective coating over texture as directed by Architect/ EIC. Item should be executed by approved applicator only. Sample (applied) shall be approved before execution of work. The rate shall be inclusive of External 100% Acrylic Paint as per approved sample.	SMT	
49	Labour charge for removing and cleaning the all type of existing paint on any type of surface like wall, ceiling with required scaffolding and tools and tackles as directed by engineer in charge.	SMT	
50	Providing & applying three coats (first two coats are with brush and final coat is with roller) of premium semi gloss enamel / pearl luster / Flat / paint of Asian or equivalent paint of desired shade for internal wall surface / internal door windows, including a priming coat with alkali resistant primer/cement (water or solvent based) primer and applying required coats (min two coats) of readymade wall putty of approved make, brand and manufacture, on any surfaces, at all heights, to give an even shade after thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and sand papered smooth etc., after applying every coat of putty, complete, as directed.		
a	Using cement based ready made putty	SMT	
51	Providing and applying emulsion oil paint paint of approved make and shade on old work with two coats to give an even shade over a coat of base coat and lapi to walls, ceiling etc. at all levels including materials, labour, scaffolding, cleaning etc. as required at all levels. Final finish shall be done by roller.	SMT	
52	Providing and applying emulsion oil paint paint of approved make and shade on New work with two coats to give an even shade over a coat of base coat and lapi to walls, ceiling etc. at all levels including materials, labour, scaffolding, cleaning etc. as required at all levels. Final finish shall be done by roller.	SMT	
53	Providing and applying heat resistance industrial aluminum paint with primer(if required) over metal surface to give an even shade at all levels including materials, labour, scaffolding, cleaning etc. as required at all levels.It should be able to resist 600 degree celcius temperature. Brand Asian PPG or equivalent.	SMT	
	1. Rate shall be quote inclusive of all applicable taxes, service taxes, GST, VAT, Excise duty,royalties Transportation etc. No extra rate shall be paid.		
	2. Material shall be check from the Engineer I/C before execution of work.		
	3. Contractor has to provide the services for the year of 2022-2023 & 2023-2024 or till further new order.		
	4. Contractor has to furnish adequate manpower , as and when he is awarded any type of work , at any time ,related to the Tender Item, refusal to it shall lead to termination of contract / Penalty for refusal.		

	5. In case of Contractor will refuse to execute the small work, he may liable to reject the contract without prior notice.
	6. Contractor is responsible to provide services for any time, any season during the contract period.
	7. If contractor shall not maintain the good quality of work, he is liable to reject the contract.
	8. During the contract period, contractor has to clean the site every day and remove the scrap material to the scrap yard and advice by I/c Engineer.
	9. Work shall be allotted as per our requirement and our decision.
	10. Adequate safety measures shall be taken by the contractor for their personnels during the execution of the work. In case of any accident no compensation shall be paid by dairy. There shall not be any liability of this nature to Banas dairy.
	11. Safety equipments like Helmets, safety Belts, etc shall be used during the execution of the work.
	12. Payment shall be made after completion of works & verification of measurements.
	13. Penalty shall be imposed incase of any work is found to be of sub standard and as per management guidance.
	14. The contractor has to abide the rules & regulations of banas dairy. The worker should be free from any dieses and should not have any adiction of tobacco etc.
	15. The contractor should have experience of minimum 5 years of industrial building & should have done similar work in any Institution/ Organisation for atleast 2 years.
	16. The contractor has to submit his work experience to establish his credential of having experience in the same nature and for required years.
	17. Either mentioned or not mentioned in Item description, scaffolding if required for any work shall be in scope of contractor on non chargable basis & the contractor have to permanently keep a set of scaffolding material like couplock, bracing, lockpin etc for minimum 6mt ht & 3 mt width.
	18. The non compliance of cl. No 15 & 16 shall lead to rejection of the Tender.

Part : C 2022-2023-2024			
Name of work : Furnishing work at Banas Dairy Palanpur's lucknow unit. Two financial year 2022-23 & 2023-24			
Item No.	Description	Unit	Quotation Rates
Part A : Labour work			
1	Labour charges for fixing the glasses of any thickness in wooden door and window or cub board or in zed section using Metal clips/Sag/ Batten patty/lapi/1 st class teak wood patti etc. as per requirement and instruction of I/C engineer at site including scaffolding etc. required. (Material will be supplied by Dairy)	SFT	
2	Labour charges for fixing glasses of any thickness in Aluminum section Door & Window using standard glazing rubber, and instruction of I/C engineer at site including scaffolding etc. required. (Material will be supplied by Dairy)	SFT	
3	Labour charge for removing and refixing new laminated table top.	SFT	
4	Labour charges for repairing of Aluminum Doors and windows including removing and re fixing doors and windows with necessary fittings as required (Material will be supplied by Dairy)	SFT	
5	Labour charges for repairing of Wooden Doors and windows (Material will be supplied by Dairy)	SFT	
6	Labour charges for wooden partition using teak wood for framing as per requirement and 6mm to 12 mm plywood sheet on both side without lamination. (Material will be supplied by Dairy)	SFT	
7	Labour charges for wooden partition using teak wood for framing as per requirement and 6mm to 12 mm plywood sheet on both side with lamination. (Material will be supplied by Dairy)	SFT	
8	Labour charges for removing old colour/ laminet from the partition and fixing new laminet sheet (single side) (Material will be supplied by Dairy)	SFT	
9	Labour charges for making Aluminum section partition using Glass and Nova pan sheet. (Material will be supplied by Dairy) for 0 to 3 mt height	SFT	
10	Labour charges for making Aluminum section partition using Glass and Nova pan sheet. (Material will be supplied by Dairy) for 3 mt and above	SFT	
11	Labour work for making new aluminium door of any size and design as engineer directed. (Material will be supplied by dairy)	SFT	
12	Labour work for making new aluminium two track windows of any size and design as engineer directed. (Material will be supplied by dairy)	SFT	
13	Labour work for making new aluminium three track windows of any size and design as engineer directed. (Material will be supplied by dairy)	SFT	

14	Labour charges for making false ceiling using teak wood framing or Alluminium framing and 6mm to12 mm plywood sheet + PVC Patta (top plywood sheet and bottom PVC patta) (Material will be supplied by Dairy) of any height	SFT	
15	Labour charges for fixing SS wiremesh in wooden frame or aluminium frame of any height for bird proofing or exhust fans etc.	SFT	
16	Labour charges for fixing Mortice Lock in doors.	No	
17	Labour charges for removing and re-fixing Door Closers to the Doors. (Material will be supplied by Dairy)	No	
18	Labour charges for making new Flush door of any thickness with both side lamination (Material will be supplied by Dairy)	SFT	
19	Labour charges for making new Flush door of any thickness without lamination (Material will be supplied by Dairy)	SFT	
20	Labour charges for making new wooden shutter of any thickness with one side lamination (Material will be supplied by Dairy)	SFT	
21	Labour charges for making new wooden cabinete including shutter and shelves with one side lamination up to depth of 1' 6" (if the depth increases it will be pay extra) Meaurement shall be consider only shutter area in sft.	SFT	
22	Labour charges for making new wooden cabinete including shutter and shelves without lamination up to depth of 1' 6" (if the depth increases it will be pay extra) Meaurement shall be consider only shutter area in sft.	SFT	
23	Labour charge for scaffolding work for more then 5.0 mt height from the plinth	CMT	
24	Labour charge for removing and re-fixing table top with lamination.	SFT	
25	Labour charge for making milk box or letter box made from 12 mm ply. Size =2' x 1' x 9" or as per engineer directed.	No	
26	Labour work for making movable/fixed computer Table as per folliowing description .The table having Drawer/ Openable shutter as directed. Table shall be made from 25 mm thick Plywood sheet with one side Laminated on Top & 18 mm thick BWP Plywood for Verticals, shutters and 6 mm BWP plywood for backing with 1 mm thick laminate on all exposed surface and polishing / painting for internal surface & edge & bottom of Table top periphery with Teak wood moulding Patty. CPU stand , Key Board tray with mouse is included in this Item.SS hinges, tower bolts, SS handle, ball catchers, magnet, cable master ,godrej multi purpose lock complete. Edges to be finished with teak wood lipping etc. including all		
	(A) Width of Table is 2'0"	SFT	
	(B)Width of Table Top is 2'6".	SFT	

27	Labour work for making movable/fixed Classroom Table as per following description .Table shall be made from 25 mm thick Plywood sheet with one side Laminated on Top & 18 mm thick BWP Plywood for Verticals, and 6 mm BWP plywood for backing with 1 mm thick laminate on all exposed surface and polishing / painting for internal surface & edge & bottom of Table top periphery with Teak wood moulding Patty. Edges to be finished with teak wood lipping etc. including all		
	(A) Width of Table is 2'0"	SFT	
	(B)Width of Table Top is 2'6".	SFT	
28	Labour charges for removing and re-fixing floor spring/door closure to the Doors. (Material will be supplied by Dairy)	No	
29	Labour charge for fixing computer key board tray as directed.	No	
30	Labour charges for removing and refixing all types of alluminium doors and windows with glass as I/C engineers	SFT	
31	Labour charges for removing and refixing all types of alluminium partitionswith glass as per instruction I/C engineers	SFT	
32	Labour charges for removing and refixing all types of wooden doors and windows as per instruction I/C engineers	SFT	
33	Labour charges for removing and refixing all types of wooden partitions as per instruction I/C engineers	SFT	
34	Labour charges for fixing 6 mm th. Plain toughen glass in S.S./aluminum door, windows, partition, etc , including removing of residual broken glass and its batten and fixing new glass.	SFT	
35	Labour charges for cupbord Self of any size , with making the self and fixing it in position .	SFT	
Part B : Material + Labour work			
36	Providing & fixing anodised Alluminium door having frame of 101.6 x 44.5 x 2.82 mm th weight 2.236 kg/Rmt shutter shall be made from style 85.0 x 44.45x 3mm th weight 2.05 kg/Rmt Top and bottom rail 95.25 x44.45 x 2mm th weight 1.519 kg/Rmt. Lock rail 150 x 44.45 x 2.65 mm th weight 2.786 kg/Rmt , Bottom rail 114.30 x 44.45 x3.18 mm th weight 2.646kg/Rmt 6mm th float glass as directed. Rate shall include copper door lock of approved make S S handles of approved design, concealed tower bolts, Neoprin Rubber gasket, Glass (5 mm) fixing with all colour as directed aluminium section shall be Jindal make or equivalent section of Hindalco. Aluminium frame shall have in built projection for door stoper with groove for rubber gasket. Detail as per architects drawings.(Alluminium section should be Jindal make or Hindalco make) details of alluminium section is enclosed herewith.		
	A. For single shutter	SFT	
	B. For double shutter	SFT	

37	Providing and fixing anodised aluminium sliding glass windows using alluminium sections of following sizes outer frame of 75.0 x 38.0 x 2 mm thick wt. 1.036 kg. Rmt. Top and sides frame 75 x 25.40 x 1.70 mm thick Wt. 0.80 Kg/Rmt bottom frame 75 mm x 25.40 x 1.60 mm thick Wt. 0.846 Kg/Rmt Shutter Top & Bottom 43.00 x 25.00 mm x 1.70 mm thick Wt. 0.717 Kg/Rmt Shutter Interlock 43.00x25.00+10.00 x 1.70 mm thick Wt. 0.802 Kg/Rmt Shutter Side (Handle) 43.00x25.00x+1.70mm thick Wt.0.642 Kg/Rmt 5mm thick glass shall be framed in Alluminium section of 43.0 x 25.0 mm with necessary slidding channel and locking arrangement size of the shutter shall be as directed. Alluminium sections shall be of mat finish anodissing of 18 micron. Rate includes all necessary fixing arrangements, Neoprine lining, filling the gaps the between Alu. section and wall with sealent as directed. (Alluminium section should be Jindal make or Hindalco make)	SFT	
38	Providing and fixing in position Doors Shutter and frames for aluminium door / composite door-window / window / casement window/Circular Window, aluminium door shutters (sliding / side hung/ pivote) window shutters (sliding / fixed / openable casement/Circular) as per approved shop drawings and aluminum sections of approved make like Jindal or equivalent having 20 micron colour / ss anodizing of approved shade sections & applying sealant in gaps.	KG	
39	Providing and fixing anodised aluminium doors shutter in partition having shutter shall be made from style 47.62 X 44.45 X 2.82mm thick wt. 1.357 kg\Rmt Top rail 95.25 X 44.45 X 2.00 mm thick Wt. 1.519 Kg\Rmt. Lock rail 150 X44.45 X 2.65 mm thick wt. 2.786 kg\Rmt and Bottom rail 114.3 X 44.45 X 3.18 mm thick Wt. 2.646 Kg\Rmt glass to be used shall be 5.0 mm thick and 12 mm thick pre-laminated parcticle board (Both side Lamination) exterior grade shall be used as directed 125mm long 4 nos. stainless steel hiness shall be fixed on shutters rate shall include copper did lock of approved make Handle of approved design concealed tower bolts, Neoprin Rubber gasket, fixing with all colour as directed. Alluminium frame shall have in built projection for door stopper with groove for rubber gasket. Details as per architects drawing. (Alluminium section should be Jindal make or Hindalco make)	SFT	
40	Extra for providing & fixing approved make 6 lever Mortice lock with pair of brass oxidised / chromium plated handles (Godrej make or equivalent)	NO	
41	Providing and fixing hydraulic door closer of approved size and made such as DORES or equivalent as directerd.	NO	
42	Providing and fixing hydraulic door closer of approved size and made such as Godrej or equivalent as directerd.	No	
43	Providing and fixing hydraulic Floor spring of approved size and made such as DORES or equivalent as directerd.	NO	

44	Providing & Fixing both sides Laminated partition using 50 MM X 38 MM Teak wood members in a maximum grid of 600 MM x 600 MM fixing 6mm th BWP plywood and 1.0mm laminate on both sides of skeleton, providing 5.0 mm/8.0 mm th float glass as directed in the partition. Providing door shutter using 125 MM X 38 MM th Steam beach members for Top rail and Style and 150 x 38MM for Bottom rail and fixing 8 mm thick glass in between as per design. 100 MM Long 3 Nos stainless steel hinges shall be provided in door shutter as directed. Godrej Mortice lock shall be provided in door shutter Steam beach Beading glass. All visible members if not laminated shall have melamine polished as directed.	.	
45	Supplying of 5 mm thick glass of Modi make only	SFT	
46	Supplying of 4 mm thick glass of Modi make only	SFT	
47	Providing and fixing clear float toughned glass of specified thickness in frame work with necessary cutting of glass as per drawing & specifications including providing and fixing EPDM quality rubber / silicon sealant on the periphery of the glass as per the required thickness as per the directions of Architect/Engineer-in-charge. Actual installed quantity shall be measured and paid.	SFT	
48	Supplying & fixing 5 mm thick table glass with clip including rounding the edges and polishing the edges etc.complete	SFT	
49	Supplying & fixing 6 mm thick wire glass with clip including rounding the edges and polishing the edges etc.complete	SFT	
50	Supplying & fixing 8 mm thick plain glass with clip including rounding the edges and polishing the edges etc.complete	SFT	
51	Supplying & fixing 12 mm thick plain glass with clip including rounding the edges and polishing the edges etc.complete -- for table top	SFT	
52	Supplying and fixing 4 mm thick white bajari glass in the wooden windows including betten patti etc. complete.	SFT	
53	Supplying and fixing 4 mm thick white bajari glass in the Zed section windows including fixing with approved lapi and wire clip etc. complete.	SFT	
54	Supplying and fixing sun film of any colour to the glass windows.	SFT	
55	Providing & Fixing 3.5 mm thick bajri glass in the Windows of standard make Modi glass or saint gobain only.	SFT	
56	Providing and fixing 5 mm thk plain glass in SS Flush door including necessary fittings make only Modi glass.	SFT	
57	Supplying and fixing verticle type ventilation blind of " Trace" made with selected fabric of approved design and shed.	SFT	
58	Providing and fixing Gypsum board false ceiling in steps and design using Indian Gypsum board with GI Sheet supporting system in line and level. Finishing the surface and applying 3 coats of flat paint as directed complete. Rate to include the cost of making necessary cutting for light fixing A.C.fitting etc. (Note: Pattas of less than 1'-0" shall be measured in Sft and Not in Rft and paid in Sft)	SFT	

59	providing & fixing side storage cabinet as per following description. The cabinet having partly drawer and partly sliding / openable shutter as directed. Cabinet shall be made from 18 mm thick BWP plywood for verticle, shelves,shutters and 6 mm BWP plywood for backing with 1 mm thick laminate on all exposed surface and polishing / painting for internal surface with verticle (at 3' C/C) shelves at 1'-3" c/c shutters sliding or openable in 18 mm thick BWP plywood with all brass hinges, tower bolts, powder coated handle,ball catchers, godrej multi purpose lock complete. Edges to be finished with teak wood lipping etc. including all incidental etc.complete. For following size		
a	Depth 12" and ht as required	SFT	
b	Depth 15" and ht as required	SFT	
c	Depth 18" and ht as required	SFT	
d	Depth 21" and ht as required	SFT	
e	Depth 24" and ht as required	SFT	
60	Providing Shoe Rack /Apron as per following description. The Rack having Individual openable shutter with required accessories as per requirement & as directed. Rack shall be made from 18 mm thick BWP plywood for verticle, shelves,shutters and 6 mm BWP plywood for backing with 1 mm thick laminate on all exposed surface and polishing / painting for internal surface with verticle (at 3' C/C) shelves at 1'-3" c/c shutters openable in 18 mm thick BWP plywood with all SS hinges, tower bolts, SS handle,ball catchers, godrej multi purpose lock etc complete. Edges to be finished with teak wood lipping etc. including all incidental etc.complete. For following size		
a	Depth 12" and ht as required	SFT	
b	Depth 15" and ht as required	SFT	
c	Depth 18" and ht as required	SFT	
d	Depth 21" and ht as required	SFT	
e	Depth 24" and ht as required	SFT	
f	Depth 27" and ht as required	SFT	
61	Providing Shoe Rack /Apron as per following description. The Rack having openable shutter with required accessories as per requirement & as directed. Rack shall be made from 18 mm thick BWP plywood for verticle, shelves,shutters and 6 mm BWP plywood for backing with 1 mm thick laminate on all exposed surface and polishing / painting for internal surface with verticle (at 3' C/C) shelves at 1'-3" c/c shutters openable in 18 mm thick BWP plywood with all SS hinges, tower bolts, SS handle,ball catchers, godrej multi purpose lock etc complete. Edges to be finished with teak wood lipping etc. including all incidental etc.complete. For following size		
a	Depth 12" and ht as required	SFT	
b	Depth 15" and ht as required	SFT	

62	Providing Utility Rack as per following description. The Rack having openable shutter with required accessories as per requirement & as directed. Rack shall be made from 18 mm thick BWP plywood for verticle, shelves,shutters and 6 mm BWP plywood for backing with 1 mm thick laminate on all exposed surface and polishing / painting for internal surface with verticle (at 3' C/C) shelves at 1'-3" c/c shutters openable in 18 mm thick BWP plywood with all SS hinges, tower bolts, SS handle,ball catchers, godrej multi purpose lock etc complete. Edges to be finished with teak wood lipping etc. including all incidental etc.complete. For following size		
a	Depth 9" and ht as required	SFT	
b	Depth 12" and ht as required	SFT	
c	Depth 15" and ht as required	SFT	
63	Providing & fixing storage cabinate below Platform as per following description. The cabinate having openable shutter as directed. Cabinate shall be made from 18 mm thick BWP plywood for shutters and 6 mm BWP plywood for backing with 1 mm thick laminate on all exposed surface and polishing / painting for internal surface with verticle (at 3' C/C) in 18 mm thick BWP plywood with all SS hinges, tower bolts, powder SS handle, ball catchers, godrej multi purpose lock complete. Edges to be finished with teak wood lipping etc. including all incidental etc.complete.	SFT	
64	Providing & making movable/fixe computer Table as per following description .The table having Drawer/ Openable shutter as directed. Table shall be made from 25 mm thick Plywood sheet with one side Laminated on Top & 18 mm thick BWP Plywood for Verticals, shutters and 6 mm BWP plywood for backing with 1 mm thick laminate on all exposed surface and polishing / painting for internal surface & edge & bottom of Table top periphery with Teak wood moulding Patty. CPU stand , Key Board tray with mouse is included in this Item.SS hinges, tower bolts, SS handle, ball catchers, magnet, cable master ,godrej multi purpose lock complete. Edges to be finished with teak wood lipping etc. including all		
	(A) Width of Table is 2'0"	SFT	
	(B)Width of Table Top is 2'6".	SFT	
65	Providing & making wooden frame for Doors & Windows made from Red Salwood as directed.		
	(A) Size of Frame 5" x 3"	RFT	
	(B) Size of Frame 4" x 3"	RFT	
66	Providing and fixing 35 mm thick Flush door having both side 1 mm thick lamination including necessary accessories fixing. (Accessories shall be supplied by dairy)	SFT	
67	Providing and fixing 35 mm thick Flush door (water proof and termite resistant) without lamination including necessary accessories fixing. (Accessories shall be supplied by dairy)	SFT	
68	Providing and fixing 35 mm thick Flush door(water proof and termite resistant) having one side 1 mm thick lamination (sundeck , century make only)including necessary accessories fixing. (only Accessories shall be supplied by dairy)	SFT	

69	Providing and fixing 12 mm thick plain glass of Modi make for table top including edge moulding as directed by the engineer with mirror polish complete.	SFT	
70	Providing and fixing cabinete for notice board including frame of shutter to be used 19 mm thick water proof ply and 6 mm ply to be used on back side. Shutter to be made from 5 mm thick glass with or without frame as directed by the engineer. Inside cabinete blue coloured velvete cloth to be fixed and out side 1 mm thick lamination.	SFT	
71	Providing and fixing notice board made from 6 mm water proof ply back clading with velvete cloth and framed with 20mm aluminum angle. Soft board to be used between cloth and ply.	SFT	
72	Providing and fixing drawer lock of godrej make in steel table or wooden table or shoe rack or any cup board.	No	
73	Providing and fixing POP false ceiling in steps and design using approved quality with GI Sheet supporting system in line and level. Rate to include the cost of making necessary cutting for light fixing A.C.fitting etc. (Note: Pattas of less than 1'-0" shall be measured in Sft and Not in Rft and paid in Sft)	SFT	
74	Providing & fixing 5 mm thick mirror glass fixed with S.S Stud of 3/4" & 1" dia or S.S. mirror cap as directed by I/C Engineer.	SFT	
75	Providing & fixing 5 mm thick mirror glass fixed with Teak wood frame of required size & design as directed by I/C Engineer	SFT	
76	Providing & fixing 5 mm thick mirror glass fixed with PVC frame of required size & design as directed by I/C Engineer	SFT	
77	Providing and fixing door lock of kich make or equivalent in Alluminium door.	No	
78	Supplying & Fixing 6 mm thick plain toughened glass in the Aluminium doors / Partition/ Windows etc. of standard make Modi glass or saint gobain only.	SFT	
79	Supplying of 6 mm thick plain glass of Modi make only	SFT	
80	Providing and fixing double action hydraulic floor spring of Hardwyn make or equivalent (with s.s. cover cover) and cover plate with brass pivot and single piece m.s. sheet outer box as directed.	No	
81	Providing and fixing computer key board tray with sliding mouse tray and pad of ebco make or equivalent.	No	
82	Providing and applying GN Glazing neutral Silicone Sealant to Alluminium window glass where it is required.	RMT	
83	Man power supply on daily basis Skilled Carpenter and do this all type furniture work	Day	
84	Man Power supply on Daily Basis Semi Carpenter	Day	
85	Man Power supply on Daily Basis Helper	Day	

86	Providing & Fixing wooden partition using 40 mm x 75 mm sized teak wood in framing , Teak wood members in a maximum grid of 600 MM x 600 MM , fixing 8mm th BWP plywood on both side . Finishing the partition with smooth finish . The partition shall have to be made as per design . If the top of the partition is provided with glass , then the same shall be paid in item of glass .	SFT	
87	Labour charges for making New sofa set work including carpentry work and furnishing work as required size and shape as directed by site engineer in charge.	RFT	
88	Labour charges for repairing old sofa set work including carpentry work and furnishing work as required size and shape as directed by site engineer in charge.	RFT	
89	Labour charges for making centre table(tipoi) as required size and shape as directed by site engineer in charge.	SFT	
90	Providing and fixing rough ground (packing) as per approved shop drawing in the gap between wall and door and window frame, The rate shall be inclusive of : 1) providing and fixing average 6-8mm thick ghana teak wood / BWP water proof ply (IS-710) of width approx. 32mm less then the width of the frame member. 2) Filling the gap between wall and frame on both sides (outside and inside) with polyethelene baker rod of avg. 10 mm thickness of approved make and color and then sealing the remaining gap with neutral grade G/M (Glazed & Metal) weather silicon sealant of approved make and color. Work shall be carried out as per approved shop drawings and approved sample. Contractor shall provide guarantee for water tightness for 12 months after defects liability period. Installed measurements shall be considered for payment.	SFT	
91	Providing and fixing compact sheet of approved make having specified 5mm thickness and shade of exterior grade quality in Aluminum frame work with necessary cutting of sheet as per drawing & specifications including providing and fixing EPDM quality rubber / silicon sealant on the periphery of the sheet as per the required thickness as per the directions of Architect/Engineer-in-charge. Actual installed quantity shall be measured and paid.	SFT	
92	Providng & fixing approved brand mortise lock - 240 (satin) with pin cylinder or Equivalent in doors with lock body, a pair of key hole plate with necessary screws etc complete and as per drawing, complete as approved by Architect or Engineer-in-charge.	nos	
93	Providing & fixing dead lock of Godrej Europrofile mortise dead lock - 126 (satin) with pin cylinder or equivalent without rose for doors with necessary screws and as per drawing, complete as approved by Architect or Engineer-in-charge.	nos	
94	Providing & fixing satin nickle finish brass or SS 304 brush finish tower bolt of required sizes for wooden /Alluminium doors and windows, with necessary SS screws etc. complete as approved by Architect or Engineer-in-charge. Rod dia shall be minimum 10 mm dia		

	100 mm	nos	
	Rate in Words		
	150 mm	nos	
	Rate in Words		
	200 mm	nos	
	Rate in Words		
	250 mm	nos	
	Rate in Words		
	300 mm	nos	
	Rate in Words		
95	Providing and fixing S.S 304 satin finish butt hinges with necessary screws etc. complete as approved by Architect or Engineer-in-charge. Replacing of Hinges - The rate shall be inclusive of dismantling of existing door and refixing the same with hinges.		
	1) 100 mm x 75 to 3 mm	nos	
	Rate in Words		
	2) 125 mm x 2.5 to 3 mm	nos	
	Rate in Words		
96	Providing & fixing 10" long (minimum rod size shall be 15mm) "J" type satin nickel finish nickel plated brush finished brass or SS brush finish Aldrop of EPPW, Arch, Magnum or equivalent with necessary screws, pins, bolts etc. complete as approved by Engineer in Charge.	nos	
97	Providing and fixing Brass satin nickle finished Door stopper (lever type-heavy) with necessary screws etc. complete as approved by Architect or Engineer-in-charge.	nos	
98	Providing and fixing SS 304 grade Internal signage of size 120mm x 120mm x 1.5mm in laser print/ eaching and filled with duco paint of approved make and as specified type including fixing etc complete as directed by engineer in charge.	nos	
99	Providing, fixing & commissioning 600mm dia Turbo Ventilator of specified make in line level and plumb on top of roof / slab at all heights as per drawing, over the cut outs provided in roof slab etc. complete as per the suppliers specifications and instructions of Architect / Engineer-in-charge. The rate shall include the cost of FRP collar as per field opening size with all the necessary provision to install / fixing in position the same.	nos	
100	Providing and fixing 2 mm thick. polycarbonate sheet , transparent with side step including fixing with brass screws / neoprene / EPDM gaskets / neutral grade silicon sealant etc complete as per the instructions of Architect / Engineer-in-charge.	Sqm	
101	Providing and fixing in Mosquito roll up/down screen with operating system as per approved shop drawing and approved sample complete of netmos make or equivalent as approved by Architect or Engineer-in-charge. Complete mosquito net including system shall be measured and paid in sqm.	Sqm	

102	Providing and fixing SS -304 mesh of 20 g including aluminum 25 micron coloured anodized flat of minimum 25mmX 5 mm to fix the mesh with the frame with fixing screws etc. complete as per drawing & specifications and as per directions of Architect/Engineer-in-charge	Sqm	
103	Providing and fixing 75mm thick wooden partition (including wooden support frame) material in 12mm thick ply bord (ISI water proof ply) with 1mm thick both side maika fixing	SFT	
104	Supply of lilicon sealant 500ml	NOS	

1. Rate shall be quote inclusive of all applicable taxes, service taxes, GST, VAT, Excise duty,royalties Transportation etc. No extra rate shall be paid.

2. Material shall be checked from the Engineer I/C before execution of work.

3. Contractor has to provide the services for the year of 2019-2020 & 2020-2021 or till further new order

4. Contractor has to furnish adequate manpower , as and when he is awarded any type of work , at any time ,related to the Tender Item, refusal to it shall lead to termination of contract / Penalty for refusal.

5. In case of Contractor will refuse to execute the small work, he may liable to reject the contract without prior notice.

6. Contractor is responsible to provide services for any time, any season during the contract period.

7. If contractor shall not maintain the good quality of work, he is liable to reject the contract.

8. During the contract period, contractor has to clean the site every day and remove the scrap material to the scrap yard and advice by I/c Engineer.

9. Work shall be allotted as per our requirement and our decision.

10. Adequate safety measures shall be taken by the contractor for their personnels during the execution of the work. In case of any accident no compensation shall be paid by dairy. There shall not be any liability of this nature to Banas dairy.

11.Safety equipments like Helmets, safety Belts, etc shall be used during the execution of the work.

12. Payment shall be made after completion of works & verification of measurements.

13.Penalty shall be imposed incase of any work is found to be of sub standard and as per management guidance.

14.The contractor has to abide the rules & regulations of banas dairy. The worker should be free from any dieses and should not have any adiction of tobacco etc.

15. The contractor should have experience of minimum 5 years of industrial building & should have done similar work in any Institution/ Organisation for atleast 2 years.

16. The contractor has to submit his work experience to establish his credential of having experience in the same nature and for required years.
17. Either mentioned or not mentioned in Item description, scaffolding if required for any work shall be in scope of contractor on non chargeable basis & the contractor have to permanently keep a set of scaffolding material like couplock, bracing, lockpin etc for minimum 6mt ht & 3 mt width.
18. The non compliance of cl. No 15 and 16 shall lead to rejection of the Tender.

Part : D 2022-2023-2024**Name of work : Fabrication work at Banas Dairy, Palanpur's lucknow unit for. Two financial year 2022-23 & 2023-24**

Item No.	Description	Unit	Quotation Rates
	1. Labour work		
1	Labour charges for fixing new A.C.Sheets of any size for roofing as per requirement and instruction of I/C engineer at site including scaffolding, carting etc. complete of following height meared from ground level. (Material will be supplied by Dairy)		
1.a	Height ground level to 5 mt.	SFT	
1.b	Height above 5 mt to 10 mt	SFT	
1.c	Height above 10 mt to 15 mt.	SFT	
1.d	Height above 15 mt to 25 mt.	SFT	
2	Labour charges for fixing new G.I.Sheets of any size for roofing as per requirement and instruction of I/C engineer at site including scaffolding, carting etc. complete of following height meared from ground level.(Material will be supplied by Dairy)		
2.a	Height ground level to 5 mt.	SFT	
2.b	Height above 5 mt to 10 mt	SFT	
2.c	Height above 10 mt to 15 mt.	SFT	
2.d	Height above 15 mt to 25 mt.	SFT	
3	Labour work for fabricating, erecting placing in position and MS structural work in roof trusses, columns portal frames, beams, bracings, Plat forms, stair, brackets, wind ties, etc. including cutting, wastage welding (shop and site) bolting wherever necessary painting with one coat of red oxide paint etc., complete as specified and as directed. erection bolts and nuts provided in under this item of work.including Welding machine and welding rod (only Structrual steel supplied by dairy)		

3.a	Height ground level to 10 mt.	KG	
3.b	Height above 10 mt to 25 mt	KG	
4	Labour work for fabricating, erecting fixing in position chain link fencing with MS pipe or angle section including cutting, wastage welding (shop and site) bolting wherever necessary painting with one coat of red oxide paint etc., complete as specified and as directed. erection bolts and nuts provided in under this item of work.including Welding machine and welding rod (Material will be supplied by dairy.)	SFT	
5	Labour work for fabricating, erecting fixing in position for bird proofing mesh including MS angle or chanel section with cutting, wastage welding (shop and site) bolting wherever necessary painting with one coat of red oxide paint etc., complete as specified and as directed. erection bolts and nuts provided in under this item of work.including Welding machine and welding rod (Material will be supplied by dairy.)	SFT	
6	Removing of Old G.I.sheet or A.C.sheet of existing roofing from any height.	SFT	
7	Labour charge for fixing ridges or hips 600 mm over all in plain G.I.sheet fixed with G.I. 'J' or 'L' hooks, bolts and nuts 8 mm dia G.I.Limpet and bitumen washer complete of 0.63 mm thick (Material supplied by dairy	RMT	
8	Labour charge for fixing GI roof gutter of size 300 mm width, depth 150 mm -300 mm as per detail, made out of 16 gauge GI sheet and fixed by 50 x 8 mm MS flat water down take pipe & connection as directed by engineer- in -charge (Material shall be supplied by dairy)	RMT	
9.00	Removing and Re-fixing of Barbed wire Fencing work excluding material cost but including labour cost. The work to be done as directed by engineer I/c (Measurment shall be measure in group RMT.)	RMT	
10	Man Power supply on Daily Basis - Fitter	Day	
11	Man Power supply on Daily Basis - Helper	Day	
12	Fabrication work of CS / MS / GI pipe line (with V forming, with welding rod of Advani, Ador and L&T make only).it including fabrication of Anchoring, Bend, Tee, Reducer, Flange, Valve, Union etc(size(1/2",3/4",1",1 1/4",1.5",2",2.5",3",4",5",6",8",10")) Rate for only Pipe shall be installed in the existing support structure by using Clamp	RMT	

	1/2"	RMT	
	3/4"	RMT	
	1"	RMT	
	1 1/4"	RMT	
	1.5"	RMT	
	2"	RMT	
	2.5"	RMT	
	3"	RMT	
	4"	RMT	
	5"	RMT	
	6"	RMT	
	8"	RMT	
	10"	RMT	
13	Fabrication work of CS / MS / GI pipe line (with V forming, with welding rod of Advani, Ador and L&T make only).it including fabrication of requisite support, Anchoring, Bend, Tee, Reducer, Flange, Valve, Union etcsize(1/2",3/4",1",1 1/4",1.5',2",2.5",3",4",5",6",8",10") .New installation of pipe with fabrication of support structure and fixing with anchoring and clamp	RMT	
	1/2"	RMT	
	3/4"	RMT	
	1"	RMT	
	1 1/4"	RMT	
	1.5"	RMT	
	2"	RMT	
	2.5"	RMT	

	3"	RMT	
	4"	RMT	
	5"	RMT	
	6"	RMT	
	8"	RMT	
	10"	RMT	
14	Fabrication work of SS pipe line (welding filler rod use only 316L Raj Ratanm, Eutec make, Arc welding rod use only Advani, Ador and L&T Make) rates are for Pipe Erection & Fabrication charge (which including fabrication of requisite Anchoring, Bend , Tee ,Reducer ,Flange , Valve ,Union etc.)Rate for only Pipe shall be installed in the existing support structure by using Clamp Rate by Argon welding size (1/2",3/4",1",1 1/4",1.5',2",2.5",3",4",5",6",8",10"	RMT	
	1/2"	RMT	
	3/4"	RMT	
	1"	RMT	
	1 1/4"	RMT	
	1.5"	RMT	
	2"	RMT	
	2.5"	RMT	
	3"	RMT	
	4"	RMT	
	5"	RMT	
	6"	RMT	
	8"	RMT	
	10"	RMT	

15	Fabrication work of SS pipe line (welding filler rod use only 316L Raj Ratanm, Eutec make, Arc welding rod use only Advani, Ador and L&T Make) rates are for Pipe Erection & Fabrication charge (which including fabrication of requisite support, Anchoring, Bend , Tee ,Reducer ,Flange , Valve ,Union etc.) New installation of pipe with fabrication of support structure and fixing with anchoring and clamp by Argon welding size (1/2",3/4",1",1 1/4",1.5',2",2.5",3",4",5",6",8",10")	RMT	
	1/2"	RMT	
	3/4"	RMT	
	1"	RMT	
	1 1/4"	RMT	
	1.5"	RMT	
	2"	RMT	
	2.5"	RMT	
	3"	RMT	
	4"	RMT	
	5"	RMT	
	6"	RMT	
	8"	RMT	
	10"	RMT	
16	Fabrication work of SS pipe line (welding filler rod use only 316L Raj Ratanm, Eutec make, Arc welding rod use only Advani, Ador and L&T Make) rates are for Pipe Erection & Fabrication charge (which including fabrication of requisite support, Anchoring, Bend , Tee ,Reducer ,Flange , Valve ,Union etc.) New installation of pipe with fabrication of support structure and fixing with anchoring and clamp by ARC welding size (1/2",3/4",1",1 1/4",1.5',2",2.5",3",4",5",6",8",10")	RMT	
	1/2"	RMT	
	3/4"	RMT	
	1"	RMT	
	1 1/4"	RMT	
	1.5"	RMT	
	2"	RMT	
	2.5"	RMT	
	3"	RMT	
	4"	RMT	
	5"	RMT	
	6"	RMT	
	8"	RMT	

	10"	RMT	
17	Fabrication work of SS pipe line (welding filler rod use only 316L Raj Ratanm, Eutec make, Arc welding rod use only Advani, Ador and L&T Make) rates are for Pipe Erection & Fabrication charge (which including fabrication of requisite Anchoring, Bend , Tee ,Reducer ,Flange , Valve ,Union etc.)Rate for only Pipe shall be installed in the existing support structure by using Clamp Rate by Arc welding size (1/2",3/4",1",1 1/4",1.5',2",2.5",3",4",5",6",8",10"	RMT	
	1/2"	RMT	
	3/4"	RMT	
	1"	RMT	
	1 1/4"	RMT	
	1.5"	RMT	
	2"	RMT	
	2.5"	RMT	
	3"	RMT	
	4"	RMT	
	5"	RMT	
	6"	RMT	
	8"	RMT	
	10"	RMT	
	0		
18	Fabrication of MS / GI structure (welding rod use only L & T, Advani, Ador make)Fabrication of Structure , Support, Frame, Ladder, Railing, Platform etc. by using I Beam, Channel , Angle, pipes, plates , etc	KG	
19	Fabrication of SS structure (welding rod use only L & T, Advani, Ador make)Fabrication of Structure , Support, Frame, Ladder, Railing, Platform etc. by using I Beam, Channel , Angle, pipes, plates , etc	KG	
	2. Material + Labour work		
20	Providing, fabricating and fixing in position, grill railing, steel ladder of MS sections as per architect's details including to smooth surface fixing hold fast of MS sections etc. complete as directed. (Basic rates of steel is Rs.35.00 per Kg, If the rates of steel increases, contractor shall claim the difference in excess of basic rates with sufficient proof of purchase at time to time)	KG	

21	Providing, fabricating and fixing in position, bird proofing mesh of 10 to 12 gauge of wire including framing of required MS angle or channel section with flat as per architect's details including to smooth surface fixing hold fast of MS sections etc. complete as directed. (Basic rates of steel is Rs.35.00 per Kg, If the rates of steel increases, contractor shall claim the difference in excess of basic rates with sufficient proof of purchase at time to time)	KG	
22	Providing, fabricating, erecting placing in position and MS structural work in roof trusses, columns portal frames, beams, bracings, Plat forms, stair, brackets, wind ties, etc. including cutting, wastage welding (shop and site) bolting wherever necessary painting with one coat of red oxide paint etc., complete as specified and as directed. erection bolts and nuts provided in under this item of work.(Basic rates of steel is Rs.35.00 per Kg, If the rates of steel increases, contractor shall claim the difference in excess of basic rates with sufficient proof of purchase at time to time)	KG	
23	-do- as per item no. 10 but for MS box tubular sections Tata make.or equivalents.(Basic rates of steel is Rs.45.00 per Kg, If the rates of steel increases, contractor shall claim the difference in excess of basic rates with sufficient proof of purchase at time to time)	KG	
24	Providing and fixing 3mm thick FRP sheet roofing for shed over MS supports. (The measurement shall be given as per roof area)	SFT	
25	Providing and fixing new A.C.Sheets of any size for roofing as per requirement and instruction of I/C engineer at site including scaffolding, carting etc. complete of following height measured from ground level. (Material will be purchased and supplied as per our requirement and demad)		
	Height ground level to 5 mt.	SFT	
	Height above 5 mt to 10 mt	SFT	
	Height above 10 mt to 15 mt.	SFT	
	Height above 15 mt to 25 mt.	SFT	

26	Providing and fixing new pre coated G.I.Sheets of any size for roofing as per requirement and instruction of I/C engineer at site including scaffolding, carting etc. complete of following height measured from ground level.(Material will be purchased and supplied as per our requirement and demad)		
	Height ground level to 5 mt.	SFT	
	Height above 5 mt to 10 mt	SFT	
	Height above 10 mt to 15 mt.	SFT	
	Height above 15 mt to 25 mt.	SFT	
27	Providing and fixing GI ridges or hips 600 mm over all in plain G.I.sheet fixed with G.I. 'J' or 'L' hooks, bolts and nuts 8 mm dia G.I.Limpet and bitumen washer complete of 0.63 mm thick	RMT	
28	Providing and fixing GI roof gutter of size 300 mm width, depth 150 mm - 300 mm as per detail, made out of 16 gauge GI sheet and fixed by 50 x 8 mm MS flat water down take pipe & connection as directed by engineer- in -charge.	RMT	
29	Providing and fixing A.C.ridges over all in plain A.C.sheet fixed with G.I. 'J' or 'L' hooks, bolts and nuts 8 mm dia G.I.Limpet and bitumen washer complete of 0.63 mm thick	RMT	
30	Providing and fixing Barbered wire (Tata Make) 12 x14 guage, The item is for single wire to be mneasured for payment.	RMT	
31	Providing and fixing chainlink fanching of 3 mm thick Tata make wire duly galvanized and mesh size of 2" x 2"	SFT	

32.0	<p>Fabricating supplying and installing in position all types of railing to spiral stairs,other stairs,terrace and all other locations as called for with Stainless Steel of SS Grade-304 consisting of tubes of various sizes like 50mm,40mm,25mm,18mm dia etc., S.S. flats,S.S perforated sheet, S.S.plate, solid square and circular bars etc. arranged in verticals and horizontals with spacing as required and anchored to sides/tops of steps/slab as shown,hand rail and all other stainless steel pipes (wall thickness,minimum 1.5 mm), S.S.plate,S.S.Flat,S.S perforated sheet etc.,fixed to stainless steel verticals through shaped custom fabricated SS flanges,S.S.caps and nuts, plates etc., as shown including approved brackets and fittings,anchoring arrangement such as fastener (Fisher or Hilti or approved equivalent),all fixing accessories, all cutting, bending, welding, grinding, drilling,tapping, weep hole and all other incidentals,and approved buffing to stainless steel members as directed by the Engineer-in-charge. complete.The railing is 1000 mm to 1500 mm high (approx.) from top of finishing tread. The hand railing and other horizontal members shall be bend to the correct radius,profiles,shapes required by the Architect,by the appropriate means without losing the profile of the pipe.</p>		
	<p>The hand railing and other horizontal members shall be bend to the correct radius,profiles,shapes required by the Architect,by the appropriate means without losing the profile of the pipe.</p>	kg	
33	<p>Providing, fabricating & fixing in position window & ventilator grill,edge protection to columns>window & staircase trades etc., gratings, Gate, Guard rail, frames,bracket,ladder, stainless steel door & frame & other similar work as called for with Stainless Steel of SS Grade-304 consisting of S.S. tubular section, S.S. flats, S.S. plate, square bars,angles, S.S. hinges etc.including all fixing accessories such as S.S. inserts etc., all cutting, bending, welding, grinding, drilling, tapping and all other incidentals,and approved buffing to stainless steel members as directed by the Engineer-in-charge. complete.(k-2 pest,k-2 spray in scope of febricator)</p>	kg	
34	<p>Providing,fabricating and fixing in walls, coulms (round/square) and such other locations cladding with stainless steel sheets/plates of grade-304 consisting of s.s flats,s.s.angles etc of grade-304 for its framework, including all necessary accessories such as s.s.inserts,flat etc., all cutting, bending, welding, grinding, drilling, tapping and all other incidentals,and approved buffing to stainless steel members as directed by the Engineer-in-charge. (k-2 pest,k-2 spray in scope of febricator)</p>	kg	

35	Loabour charges for dismentling fabricated structure of she, ladder , fencing , structural steel work etc for any height of building . Cutting , the structural member as required and stacking the same in our scrap yard / as directed for reuse.The structural steel shall be cut with gas cutting set / welding / cutter as per requirement . The rates includes manpower , tools and tackles and all kind of equipments.	kg	
36	Providing & fixing 600 dia razor blade concertina coil wire fencing 12/14 gauge G.I to tie with coils including tieing with barbed wire as per detail & drawing.	kg	
37	Providing, Fabricating and fixing 50 x 50 mm size SS angle 3 mm thick (316 grade) for Edge nosing of column at all heights / all floors / all shapes / all positions and all as per specifications & direction of EIC The rate shall be inclusive of supporting brackets made out of SS sections fixing with anchor fastener of Hilti, bending and bends as per the drawing with best quality finish as per the approval of Architect / EIC	RMT	
38	Providing and fixing in position Stainless steel Grade 304 plate-1.0 mm thick with SS 304 grade screw as per design for expansion joints covering.		
a	200 mm wide	RMT	
b	300 mm wide	RMT	

1. Rate shall be quote inclusive of all applicable taxes, service taxes, GST, VAT, Excise duty,royalties Transportation etc. No extra rate shall be paid.

2. Material shall be checked from the Engineer I/C before execution of work.

3. Contractor has to provide the services for the year of 2019-2020 & 2020-2021 or till further new order

4. Contractor has to furnish adequate manpower , as and when he is awarded any type of work , at any time ,related to the Tender Item, refusal to it shall lead to termination of contract / Penalty for refusal.

5. In case of Contractor will refuse to execute the small work, he may liable to reject the contract without prior notice.

6. Contractor is responsible to provide services for any time, any season during the contract period.

7. If contractor shall not maintain the good quality of work, he is liable to reject the contract.

8. During the contract period, contractor has to clean the site every day and remove the scrap material to the scrap yard and advice by I/c Engineer.
9. Work shall be allotted as per our requirement and our decision.
10. Adequate safety measures shall be taken by the contractor for their personnels during the execution of the work. In case of any accident no compensation shall be paid by dairy. There shall not be any liability of this nature to Banas dairy.
11. Safety equipments like Helmets, safety Belts, etc shall be used during the execution of the work.
12. Payment shall be made after completion of works & verification of measurements.
13. Penalty shall be imposed incase of any work is found to be of sub standard and as per management guidance.
14. The contractor has to abide the rules & regulations of banas dairy. The worker should be free from any dieses and should not have any adiction of tobacco etc.
15. The contractor should have experience of minimum 5 years of industrial building & should have done similar work in any Institution/ Organisation for atleast 2 years.
16. The contractor has to submit his work experience to establish his credential of having experience in the same nature and for required years.
17. The non compliance of cl. No 15 and 16 shall lead to rejection of the Tender.
18. Either mentioned or not mentioned in Item description, scaffolding if required for any work shall be in scope of contractor on non chargable basis & the contractor have to permanently keep a set of scaffolding material like couplock, bracing, lockpin etc for minimum 6mt ht & 3 mt width.