

Section - 6**PRICE BID SCHEDULE**

To,
 General Manager (Civil)
 Room no. 211, 2nd Floor, TCIL Bhawan
 Greater Kailash
 New Delhi - 110048

NIT NO:TCIL/GM(C)/2024/IIM-LKO-NOIDA/02 Date:16.07.2024

Name of Work: - Selection of contractor for “Construction of Sewerage Treatment Plant & Civil Maintenance work at IIM Lucknow Noida Campus at B-1, Institutional area, Sector-62 , Noida (U.P.)”

Dear Sir,
 We, the undersigned, offer to provide the “Selection of contractor for “Construction of Sewerage Treatment Plant & Civil Maintenance work at IIM Lucknow Noida Campus at B-1, Institutional area, Sector-62 , Noida (U.P.)” against your NIT No:TCIL/GM(C)/2024/IIM-LKO-NOIDA/01 Date:21.06.2024. Our attached Financial Proposal is for the sum of [“”].

Sl. No.	Item Description	Total amount (in Rs.)	
		In figures	In words
1	SEWAGE TREATMENT PLANT 250 KLD STP		
2	OPERATION AND MAINTENANCE		
3	MISCELLANEOUS WORK		
4	DISMANTLING WORK		
5	CIVIL & MAINTENANCE		
	Total		

Our Offered cost is inclusive of all charges, costs, taxes, levies etc. including GST, as per the conditions of the proposal.

Yours sincerely,
 Authorized Signatory :
 Name and Title of Signator -
 Name of bidder -
 Address:
 Date:-

Note 1:- The bidder to provide un-priced Price-Bid along with Technical bid.

Notes2:-

- Lowest Bid will be on the basis of Grand Total.
- Bidder shall mandatory mention the 8 digit / 6 digit applicable HSN / SAC code of all the Quoted items.
- In case of change in rate due to change in Taxes/Duties the rate shall be applicable on prorata basis based on actual nos. of applicable days.
- Before Submitting their Duly Filled “Price Bid Schedule & BOQ” the bidders should ensure that they do not enter any Comments in the above Table like “ As per Actuals, Will be Intimated Later on etc” . If Bidder uses these type of Comments while filling up the above Table for Price Bid Schedule & BOQ Or if the charges for any item is left blank the Charges for the Items wherever such comments are used or if left blank shall be Considered as “Zero” and the same shall be a binding on the bidder.
- If there is a discrepancy between the unit price and total price that is obtained multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected.
- The requirement / Quantity mentioned above are indicative & may vary as per the actual requirements.

NIT NO:TCIL/GM(C)/2024/IIM-LKO-NOIDA/02		Date:16.07.2024					
BOQ STP+UF Plant plant based on MBBR Technology							
BILL OF QUANTITIES							
SR.	DSR 2023	PARTICULAR	UNIT	Qty	RATE	AMOUNT (In Rs.)	
						In figures	In words
A		SEWAGE TREATMENT PLANT					
		Design, supplying, installing, testing & commissioning of Sewage Treatment Plant for 250 KLD STP electro mechanical system based on MBBR technology. (excluding all Civil & construction work) and inclusion of cost of CTE and CTO from Local pollution control board.					
		Anticipated effluent parameters before treatment:					
		PH 7.5 - 8.5					
		BOD 250 mg/lit					
		SS 450 mg/lit.					
		COD 500 mg/lit.					
		T-N upto 35 mg/lit					
		P upto 10 mg/lit					
		Desired Sewage discharge standard after outlet of UF are as below:					
		pH : 6.0 - 9.0					
		TSS : < 10 mg/lit					
		BOD5 days : < 10 mg/lit					
		COD : <50 mg/lit					
		TN : < 10 mg/lit					
		Phosphorus Less than 1 mg/lit					
		Fecal Coliform Less than 230 mg/lit					
1.1		Supply, installation, testing & commissioning of 2 Nos SS 304 Perforated Coarse Type Screen Size 800mm x 800mm with suitable garbage lifting arrangement.	Set	1			
1.2		Mixer for anoxic tank.	Set	1			
2		Supply, installation, testing & commissioning of level switch for automatic operation of system.	Lot	1			
3		Supply, installation, testing & commissioning of Submersible, non clogging type pumps capable of handling solids minimum 20 mm having CI casing & impeller with SS Shaft complete with mechanical seal & all accessories, motor of required capacity. Delivery header with isolation valve, pressure gauge on delivery line with isolation cock. Pumps shall have following duty. Make: Willo/Grundfos/Leo/Kirlosker					
3.1		Submersible Sewage Transfer Pumps					
		Flow Rate (each) = 15 m ³ / hr			1W+1S		
		Head = 15-17 Mtr	Nos.	2			
3.2		Submersible Sump Pumps					
		Flow Rate (each) = 20 m ³ / hr			1W+1S		
		Head = 10-12 Mtr	Nos.	2			
		Cost shall be inclusive of PVC Flexible Pipe 40mm dia , rope for lifting pump from sump to outside.					
4.0		Providing and fixing horizontal,centrifugal sludge recirculation/Transfer pump . The pumps shall have CI casing, CI Impeller with mechanical rotary shaft seal. Motor to be suitable for including all necessary piping valves and other accessories complete as required. Solid Handling capacity 7-10mm					
4.1		Sludge Recirculation Pump-Anoxic To MBBR					
		Capacity : 52 Cum/hr.			1W+1S		
		Head :8-10 mtrs.	Nos.	2			
		Make : Kirloskar/M&P/Lubi					
4.1		Sludge Recirculation Pump-Anoxic To MBBR					
		Capacity : 5 Cum/hr.			1W+1S		
		Head :8-10 mtrs.	Nos.	2			
		Make : Kirloskar/M&P/Lubi					

SR.	DSR 2023	PARTICULAR	UNIT	Qty	RATE	AMOUNT (In Rs.)	
						In figures	In words
5.0		Air diffusion system shall include the following:					
5.1		Supply, installation, testing & commissioning of twin lobe, rotary Air blower capable of delivering 250 cum/hr of free air at required pressure driven through "V" belt or directly coupled through flexible coupling to a TEFC motor of suitable HP Suitable for 415 ± 10% volts, 3 phase, 50 cycles A/C supply. Blower Make- Everest/Beta/Akash/Rootech					
		Air Blowers					
		Flow Rate (each) = 250 m ³ / hr @ 5000mmwg	Nos.	2			
5.2		Air Grid in UPVC complete with all fittings such as tees, crosses, plugs, sockets, elbows, reducers, paint, supports & clamps, puddle flanges etc cutting chases & making good the wall wherever required. Contactor to submit detailed P & I indicating their proposal.	Lot	1			
		Make: Astral/Prince/Supreme/Vectus					
5.3		Non-clog type air dispersion system capable of handling required air with oxygen transfer efficiency. Air dispersion grid shall be assembled in modular form so that they can be replaced / repaired easily. (Coarse and Fine bubble membrane diffusers).	Lot	1			
		Make : Rehaue/Ecoligix/EDI or Equivalent					
		Note :					
		Air dispersion system shall be provided for MBBR Tank and Equalization Tank.					
6.0		Providing and fixing all interconnecting piping (as described below) and isolation control valves for making the system complete. The piping material shall be MS 'B' class.					
		MS Epoxy : Non submerged air piping & pumped effluent riser (non-submerged)					
		uPVC/PVC: Submerged air line.					
		uPVC/PVC Piping : Interconnecting pipe line after delivery header of pump / filter	Job	1			
		Make: Astral/Prince/Supreme/Vectus/Jindal/Tata					
7.0		Supply, installation, testing and commissioning of MBBR media. The media shall be enough for proper functioning of STP. [MBBR System to be in two reactors]	Job	1			
		Make: Biotech/PP Aqua or Equivalent					
8.0		Supply, installation, testing and commissioning of PVC tube deck settling media to be installed in Tube Settler Tank alongwith retainer plates and suitable sludge removal arrangement either by pumps or any other suitable arrangement. Capacities, length, width, depth, of the media shall be enough for proper functioning of STP.	Job	1			
		Make: Biotech/PP Aqua or Equivalent					
9.0		Supply, installing, testing & commissioning of ultraviolet dis-infection unit. The unit shall have over 99.9 % bacterial reduction from inlet to outlet. The dis-infection chamber shall be constructed of SS 316L on all wetted parts. The UV lamp shall be of low pressure mercury vapour type with hard glass enclosure, the sockets shall be water tight & vibration resistant. The lamp life shall be rated for 6000 hours. The unit shall be complete with temperature safety control, lamp out alert circuit & UV radiometer	Set	1			
		The UV unit shall have with reactor, cabinet housing, cabinet cooling, treatment chamber, electrical panel, temperature safety control, lampout alert, UV radiometer along with UV monitoring system and UV monitoring readout panel. The lamps should be selected based upon the flow requirement of respective unit.					
		Flow Rate : 16 m ³ /hr					
		Dosing Pump: Alfa/ Sukruit/Ozone or Equivalent					
10.0		Supplying, installing, testing & commissioning of centrifugal pumps , CI body, CI impeller. motor, pressure gauge with isolation cock, Isolation valve, NRV on delivery line. Isolation valve, stainer at suction. The pump shall be suitable for 415±10% volts 3 phase AC supply. Make: Willo/Kirlosker/Leo or Equivalent					

SR.	DSR 2023	PARTICULAR	UNIT	Qty	RATE	AMOUNT (In Rs.)	
						In figures	In words
10.1		Filter feed pumps: Capacity : 16 Cum/hr. Head : 25-30 Mtrs		1W+1S Nos. 2			
10.2		Irrigation Water Transfer pumps: Capacity : 10 Cum/hr. Head : 25-30 Mtrs		1W+1S Nos. 2			
10.3		Flushing Water Transfer pumps: Capacity : 10 Cum/hr. Head : 25-30 Mtrs		1W+1S Nos. 2			
11.0		Supplying, installing, testing and commissioning of MSFRP vessel filter with all necessary accessories . Filter shall be suitable for minimum working pressure of 5 kg / cm ² and shall include media, standard fittings like pressure gauges, sampling cock, rinse drain, vacuum breaker etc. Make: KWT/UEM/GINTI					
11.1		Multigrade pressure sand filter Flow rate : 16 Cum/hr Filtration rate: 15 m ³ /hr/m ² HOS : 1800 mm filtering sand, anthracite, pebbles and gravel media MOC: MSFRP	Nos.	1			
11.2		Activated Carbon Filter Flow rate : 16 Cum/hr Filtration rate: 15 m ³ /hr/m ² HOS : 1800 mm filtering sand, anthracite, pebbles and gravel media MOC: MSFRP	Nos.	1			
12.0		Supplying, installing, testing and commissioning of Chlorine dosing system consisting of one HDPE tank of 100 litres capacity with a positive displacement diaphragm dosing pump having variable flowrate of 0-6 lph. The motor shall be suitable for operation at 240 V/single phase/50 Hz. Supply. The pump shall be supplied complete with necessary polypropylene piping, valves, strainers, low level switch and injection fittings. The pump shall be speed & stroke control. Dosing Pump: Toro/Prominent/Grundfos or Equivalent	Set	1			
13.0		Supply, installation, testing and commissioning of Filter Press of plate size 450mmx450mm, 30 plates with interconnecting piping and poly dosing pump 0-12 LPH. Make: Sachin/Ecologix/Auro Dosing Pump: Toro/Prominent/Grundfos or Equivalent	Set	1			
14.0		Supply, installation, testing & commissioning of positive displacement type screw slurry pump with MS casing, SS-strator with internal rubber lining, gland packing seal, solid handling capacity upto 7 to 10% of the effective percentage of sludge and direct drive with motor. Make : Roto/Rotomac/Positive Sludg Feed Pump Capacity : 1m ³ /hr Head : 40 mtrs. (1W+ 1S)	Nos.	2			
15		Insrtumentation Supply and fixing of following instrument					
a)		Providing and fixing full bore type Electro-magnetic flow meter of 80 mm dia designed at maximum speed of 3-4 m/sec at the sewage inlet and outlet Make : Forbe Marshal/Ecologix/ Hach	Nos.	2			
b)		Providing, installing, testing and commissioning of Online digital type pH meter. Make: Aster/Hanna/Forbes Marshal	No.	1			

SR.	DSR 2023	PARTICULAR	UNIT	Qty	RATE	AMOUNT (In Rs.)	
						In figures	In words
c)		Providing and fixing of suitable size pressure gauge boudron type glycerin filled. Make : H-guru	Lot	1			
		TOTAL CARRIED TO SUMMARY OF A					

SR.	DSR 2023	PARTICULAR	UNIT	Qty	RATE	AMOUNT (In Rs.)	
						In figures	In words
B		ULTRAFILTRATION SYSTEM					
		Providing, installing, testing and commissioning of Ultra Filtration (UF) system for further polishing treated effluent and capable of producing 15000 litre / hour of polished water meeting the requirements . The system shall be complete with UF Feed Pumps (1W+1S), Membrane Flushing Pumps, Cartridge Filters , complete instrumentation for automation and monitoring, Rotameters, Pressure Gauges, interconnecting pipework, electrical cabling and switchgear, all complete as described in Scope of Work enclosed herewith. Filter Make: Azud/Toro	1	Set			
		Pump Make: Willo/Kirlosker/Leo/CG or Equivalent					
		Dosing Pump: Grundfos/Toro/Prominent or Equivalent					
		UF Integrator: KWT/UEM/GINTI or Equivalent					
		TOTAL CARRIED TO SUMMARY OF B					
C		STP Civil Work					
	a)	Providing, making STP civil work RCC of mix M30, including Excavation, returning back of soil in filling, disposal of surplus soil lead upto 1km, lift upto all depth, Concrete work 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources) in plinth protection, shuttering and centering for RCC works as per CPWD specs, reinforcement of grade FE500D TMT bars, brick work with common burnt clay F.P.S. (non modular) bricks of class designation 15 in foundation and plinth or wherever required in Cement mortar 1:4 (1 Cement : 4 coarse sand), Steel work for 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions, and corners, rolling shutter of 80X1.25 M.S Lathe with 1.25mm top cover, glazed door wherever required, steel work for grating, frames etc with all necessary fittings complete, including applying a priming coat of approved steel primer., stainless steel work (Grade 304) in railing and walkway, Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete., Finishing 15 mm cement plaster on the rough side of single or half brick wall of mix: 1:4 (1cement: 4 fine sand), integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations : or specified in drawing including excavation of all depth, refilling of surplus Complete. nothing will be paid extra for dismantling of old STP.	250	KLD			
		TOTAL CARRIED TO SUMMARY OF C					
		Grand Total					

STP DISMANTLING WORK							
SR.	DSR 2023	PARTICULAR	UNIT	Qty	RATE	AMOUNT (In Rs.)	
						In figures	In words
1	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	Cum	138.12			
2	15.5	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineerin- charge.	Sqm	391.00			
3	15.6	Extra for scrapping, cleaning and straightening reinforcement from R.C.C. or R.B. work.	Kg	16574.10			
4	15.7	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.					
4.1	15.7.4	In cement mortar	Cum	44.76			
5	18.8	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured):					
	15.8.3	From brick work in cement mortar	1000 Nos.	22.11			
		TOTAL(NON-DSR ITEMS) C/F TO SUMMARY					

ESTIMATE OF MISCELLANEOUS SEWERAGE & ELECTRIC WORK FOR STP

S. NO.	Description	QTY.	UNIT	RATE (In Rs.)	AMOUNT (In Rs.)	
					In figures	In words
A	Sewerage Line					
	Excavating trenches of required width for pipes, cable, etc including excavation for sockets and dressing of sides, ramming of bottoms, depth upto 1.50m including getting out the excavated soil & then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc & disposing of surplus excavated soil as directed within a lead of 50m.					
	All kinds of soil					
	Pipes cables etc. exceeding 80 mm dia. But not exceeding 300mm dia.	600.00	Mtr			
	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :					
	150 mm dia. R.C.C. pipe	300.00	Mtr			
	250 mm dia. R.C.C. pipe	300.00	Mtr			
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	30.00	Cum			
	Centering and shuttering including strutting, propping etc. and removal of form for :					
	Foundations, footings, bases of columns, etc. for mass concrete.	200.00	Sqm			
	Constructing brick masonry manhole in cement mortar 1 : 4 (1 cement : 4 coarse sand) with RCC top slab with 1 : 2 : 4 mix (1 cement : 2 coarse sand : 4 grade stone aggregate 20mm nominal size); foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1cement 3 coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 (1cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finishd with a floating coat of neat cement complete as per standard design					

Inside size 90 x 80 cm & 45 cm deep including CI cover with frame (light duty) 455 x 610mm internal dimensions, total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg)					
With common burnt clay F.P.S.(non modular) bricks of classic designation 7.5	20.00	each			
Inside size 120 x 90 cm & 90 cm deep including CI cover with frame (Medium duty) 560mm internal diameter, total wt. of cover & frame to be not less than 208 kg (wt. of cover 108 kg and wt. of frame 100 kg)					
With common burnt clay F.P.S.(non modular) bricks of classic designation 7.5	10.00	each			
Extra for depth for manholes:					
size 90 X 80 cm					
With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	10.00	metre			
size 120 X 90 cm					
With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4.00	metre			
Providing and fixing square mouth S. W. Gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight CI cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design					
180 x 150 mm. size P type					
With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	20.00	each			
Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design :					
With 20 mm diameter round bar	90.00	each			

	Making the connection of the sewerage pumping main(including cost of 80mm Dia uPVC (Schedule-40 pipe and Schedule-80 fittings complete in all respects with solvent cement joints and excavation, refilling, disposal of surplus earth) to the Noida Authority sewer complete in all respects including breaking of the manhole and making good the same, permission from Noida authority (including connection cost) complete in all respects,	1.00	Job			
				Total Amount (A)		
B	Electrical Panel- Motor Control Centre					
1.0	Design, fabrication, assembling, wiring, supply, installation, testing and commissioning of motor control centre fabricated out of 16 gauge CRCA sheet steel. Panels shall be treated with all anticorrosive process before painting as per specifications with 2 coats of red oxide primer and final approved shade of powder coated paint. . Lifting hooks shall also be provided in case of large panels. Make: Adlec/BEW/Ambit/Tricolite					
	Motor Control Centre					
	Incoming					
	100 amps TPN MCCB with the following accessories:					
	a) 0-500 volts 96 x 96 mm square electronic voltmeter with selector switch shall be protected by 2 amp TP MCB. 1 Set					
	b) 0-100 volts 96 x 96 mm square electronic ammeter with selector switch and 100/5 amps 10 VA CL:1 CTs 1 Set					
	c) Phase indicating lamps shall be protected by 2 amp SP MCB 3 sets.					
	Bus Bar					
	100 amp TPN (15 KA) Al bus bar with heat shrinkable insulation sleeves.					
	Outgoing					
	a) Required Nos of required capacity TP MCB for direct on line starter/star delta starters and out going feeders to all the pumps/ blowers etc. (including standbys). Each compartment shall contain auto/manual selector switch and indicating lamp with MCB's for 'ON/TRIP' status of motor.					

	a) All MCCB's / MCB's shall be of 15 KA breaking capacity and suitable for motor duty application.					
	c) DOL starters shall be used for moters below 10 HP and Star-Delta Starters for other motors.					
	d) Provision shall be made for providing potential free contacts to all pumps starters					
	MCC for all STP equipments/ pumps as described in sub head-A with provision for all future pump air blower etc.	1	Job			
2.0	Supplying, installing, testing & commissioning of Cables , Conector, Cable Trays, to make Electrical Installation Complete.	1	Job			
3.0	Supplying, installing, testing & commissioning of 3.5sqmm 120 Sqmm, LT cable Cables including cutting and making good the rooad, excavation, refilling and disposal of surplus earth Complete.	400	Meter			
	Cable Make: Polycab/Finolex/KEI					
	CableTray: Profab Engineer/Rico					
	TOTAL CARRIED TO SUMMARY OF (B)					
				Total Amount (A+B)		

Detailed Estimate for Operation and Comprehensive maintenance Works for 250 STP For.....

SUB : OPERATION AND MAINTENANCE							
S. NO.	DSR ITEM NO.	DESCRIPTION	UNIT	QTY.	MKT. RATE	AMOUNT (In Rs.)	
						In figures	In words
D	NS	Operation and comprehensive maintenance of STP after 3 months of trial run including manpower of 3 operators daily (1 operator in each shift) and 1 helper/Sewrman & 1 Supervisor (a releiver for 04 days and 03 days in day shift for helping Operator in day shift), monthly testing of treated sewer from approved laboratory, chemicals, spares, lubricants etc. but excluding electricity and water required for operation and maintenance provided by the client.					
		1st Year(Comprehensive maintenance covered under 1 year of Defect Liability Period)	month	12			
		2nd Year operation	month	12			
		TOTAL CARRIED TO SUMMARY					
		Note:- Extended with prevalent market rate as mutual agreement , Minimum wages as per the Government guidelines has considered.					

BILL OF QUANTITIES FOR A2 BLOCK CORRIDOR AND LIFT LOBBY FALSE CEILING WORK AND PAINTING OF A2 BLOCK CORRIDOR, LIFT LOBBY AND STAIRCASE .						
S. NO.	Description	QTY.	UNIT	RATE (In Rs.)	AMOUNT (In Rs.)	
A	Maintenance Work				In figures	In words
1	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections. Power pressed form M.S. sheets and galvanized with zinc coating of 120 gms/sgm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm. at 1200 mm centre to centre. one flanges fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts. other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of engle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre. to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I wire as every junction. includin fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long. the perimeter of ceiling fixed to wall/ partition with the help of rawl plugs at 450 mm center. with 25 mm long dry wall screws @ 230 mm Interval. including fixing of gypsum board (12.5 mm thick gypsum moisture resistant board) to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm e/c. Including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound jointing tapes finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two cost of promer suitable for board . all as per manufacturers specification and also including the cost of making opening for lights fittings grills diffusers cutouts made with frame of perimeter channels suitable fixed all complete as per drawings, specification and direction of the engineer in charge.	1,800.00	Sqm			
2	painting work of corridor walls staircase and lift body walls using JK putty sakarni POP if needed during repair berger primer and two or more coats of berger emulsion paint. Shade of the paint will be approved by the competent authority.	4,700.00	Sqm			
3	Two or more coats of paint on the gypsum board false ceiling of corridors and lift body using Berger emulsion paint and shade approved by the competent authority.	1,800.00	Sqm			
4	Supply and fixing 2 x 3 Feet Notice premium Material Pin-up board with blue base and alumunium bidding.	35.00	Nos			
5	Supply and fixing 3 x 4 feet Notice premium material Pin-up Board with blue base alumunium bidding and should be covered with openable glass.	35.00	Nos			
6	Supply and Fixing of 20 watt LED baton panel Light of Size 300mm x 300mm of recessed type with all fittings	120.00	Nos			
7	Supply and fixing of 20 watt LED surface Baton Panel Light of Size 300mm x 300mm	50.00	Nos			
8	Dismantling of gypsum false ceiling including frame work. M.S. Sheets angle cleats, dash fastners. G.I channels with 50-meter lead.	1,800.00	Sqm			
				Total Amount (A)		