7. Ghazipur

1 INR(India Rupee)=	1.57	ЛРҮ
1 US\$=	105.5	JPY

Summary - Ghazipur

To the second se	0.75		0	FC Port	ion (Yen)	LC Por	tion (INR)	Reference
Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Kelefence
Sewer network		LS	1	0	0	0	953,295,000	
STP civil works		LS	1				383,460,000	
STP Mechanical/Electrical works		LS	1				23,864,000	
PS Civil works		LS	1				70,760,000	
PS Mechanical/Electrical works		LS	1				77,225,000	
								CAVE IN
Total							1,508,604,000	

Ghazipur

	Const. Const.	Unit	Ôi.	PCPo	rtion (Yen)	LC Parti	ion (INR)	Reference
Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
Direct Cost		LS	1				1,508,604,000	
Communication & Public Outreach		1,S	1				1,533,000	
nvironmental and Management Plan (EMP)		LS	1				6,400,000	
Governance and Accountability Action Plan (GA	AP)	LS	1				1,025,000	
Power Connection & Allied Works		LS	1				4,404,000	
Tiring of Godown and Site Office		LS	1				1,920,000	
Cost of sewer cleaning equipments, Flushing Van		LS	1				6,200,000	
Sost of Sever Cleaning Complete and I have been a		1,10					0,200,000	
Sub-Total					0		1,530,086,000	
340-1044							1,.50,000,000	
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				FC Portion (Yen)	LC Porti	ion (INR)	
Items	Specification	Unit	Qty	Unit Price Amount	Unit Price	Amount	Reference
Civil works						0.00	
ewer and Appartenant works						 	
Zone-1		LS	1		142,700,000	142,700,000.00	
Zone-2		LS	1		144,840,000	144,840,000.00	***************************************
Zone-3		LS	1		643,255,000	643,255,000.00	
Treated effulent disposal		LS	1		22,500,000	22,500,000,00	
						0.00	
umping Stations						0.00	
MPS		LS	1		28,810,000	28,810,000.00	
IPS-1		LS	1		14,460,000	14,460,000.00	
IPS-2		LS	1		18,065,000	18,065,000.00	
IPS-3		LS	1		9,425,000	9,425,000.00	
TP						0.00	
STP (18 MLD)		LS	1		287,000,000	287,000,000.00	
Building works		LS	1		6,647,000	6,647,000.00	
Construction of boundary wall and site development		LS	1		13,416,000	13,416,000.00	
Sewer connection for BPL families		LS	1		63,375,000	63,375,000 00	
Power sub-stations		LS	1		13,022,000	13,022,000.00	
Iechanical works							
umping Stations							
MPS		LS	1		36,910,000	36,910,000.00	
IPS-1		LS	1		15,310,000	15,310,000.00	
IPS-2		LS	1		15,310,000	15,310,000.00	
IPS-3		LS	1		9,695,000	9,695,000.00	
						77,225,000 00	
TTP							
STP (18 MLD)		LS	1		79,468,400	79,468,400.00	
Electrical works							
umping Stations							
MPS	· · · · · · · · · · · · · · · · · · ·	LS	ī		163,320,000	163,320,000.00	
IPS-1		LS	1		8,166,000	8,166,000.00	
IPS-2		LS	1		8,166,000	8,166,000.00	
IPS-3		LS	1		5,720,000	5,720,000.00	
200		120			-,,,,	185,372,000.00	
STP		\vdash					
STP (18 MLD)	-	LS	1	-	36,282,100	36,282,100.00	····
311 (13 MEZ)		E/O			30,202,100	30,202,100100	
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						+	
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8. Ramnagar

1 INR(India Rupee)=	1.57	JPY
1 US\$=	105.5	JPY

Summary - Ram Nagar STP I&D

Items	Specification	Unit	04.	FC Port	ion (Yen)	LC I	Portion (INR)	Reference
Tiems	Specification	Ulill	Qty	Unit	Amount	Unit	Amount	Kelefelice
Ram Nagar STP-civil work	10MLD	LS	1	+			125,572,191.91	
Mechanical works		LS	1		T = T		56,018,400.00	
Electrical works							11,925,440.00	
Sewege Pumping Station at Mallahi		LS	1				20,262,969.62	
Sewege Pumping Station at Mallahi - Miscellaneouos works		LS	1				10,241,215.24	
Sewege Pumping Station at Mallahi - Rising Main		LS	1				16,763,799.58	
Sewege Pumping Station - Outfall structure at BaluaGhat, Salotri &		LS	1				4,521,606.27	
Laying of Sewer for Diversion of Balua Ghat, Salotri & Shakti Ghat		LS	1				6,294,903.81	
Communication & Public Outreach		LS	1				1,000,000.00	
Environmental and Management Plan		LS	1				1,000,000.00	
Governance and Accountability Action Plan (GAAP)		LS	1				1,000,000.00	
Power Connection & Allied Works	1	LS	1	 	+ +		38,127,000.00	
Hiring of Godown and Site Office	1	LS	1	 	+		246,000.00	······································
Cost of sewer cleaning equipments, Flu	ishing Van	LS	1				800,000.00	
<u> Fotal</u>			-				293,773,526.43	

				FC Portic	n (Yen)	LC Port	ion (INR)	
ltems	Specification	Unit	Qıy	Unit Price	Amount	Unit Price	Amount	Reference
Direct Cost]								
Civil/Building work								
. 10 MLD STP AND APPURTINANC		pc	1		0		125,000,000.00	
EFFLUENT DISPOSAL CONDUITE		pe	1		0		4,317,996.30	
. Buildings		рс	1		0		7,409,182 61	
. Site Development		pc	1		0		19,382,900.00	
, Lab Equipment		pe	1		0		1,372,968.00	
Fire Fighting system		pe	1		0		1,139,145,00	7-0-
Soil Investigation of STP Site		рс	II.		0		1,000,000.00	
50KL RCC overhead Tank, Pump & A	Appurtenet works	pc	- 1		0		2,550,000.00	
Sub-Total					0		162,172,191,91	
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	Items	Specification	Unit	Qty	FC Portio	on (Yen)	LC Porti	on (INK)	Reference
	nems	Specification	Onn	Qiy	Unit Price	Amount	Unit Price	Amount	Reference
	<civil building="" work=""></civil>		1170.00	11 12	The second		REMARKS IN	TOWNS OF THE	
	1. 10 MLD STP AND APPURTENAN	CES WORKS							
	Constrction of STP		MLD	1			125,000,000	125,000,000	
	Total							125,000,000	
	2. EFFLUENT DISPOSAL CONDUIT	r e							
	Excavation by manually or mechanically up to following depths below G.L. for laying sewer line, in ordinary soil (earth, sand, loam & clay) including cutting of joints pits ramming dressing, leveling by manually or mechanically, refilling of trenches in 20cm layer watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches. (Excavation for Manhole is 1) Earth Work								
UPJN SOR 3001	Excavation	00,00m - 01,50m B.G.L	m ³	1,350	 		184.79	249,466.50	
UPJN SOR 3002		B.G.L.	m ³	292 5			231.98	67,854.15	
3111. 501. 5002	2)Barricading	an : SJ . kn				 		,	
	Supply of all material, labour and T&P to provide the barricading along trench during excavation and laying of pipe with eucalyptus ballies of 100mm dia in horizontal section in two rows and vertical post of 125 mm dia at 2 m C/C fastened with Nariyal rope including provision of cacution board. (50% of		m	500			440 1	220,050,00	
	3)SHUTTERING				1	†			
UPJN SOR 3041	Provide and fix open timbering (covering 1/3rd of surface area by plank in trenches for the following depths below G.L consisting of 40mm thick approved country wood plank for poling board 125x/5mm Indian Sal wood wallers and 100mm diameter Sal wood ballies for shuttering at 1.50m c/c including removal after laying (will be taken as one side for the purpose of payment and measurement i.e. area equals to length x depth of trenches). dismantled timbering material will be	00.00m – 03.00m B.G.L.	m	225			388.56	87,426.00	
	4)Bedding								
UPJN SOR 1015.A.ii	Concrete Cradle Bedding with 12- 20mm gauge approved stone ballast coarse sand and cement in M-15 including supply of all materials labour T&P etc. required for proper completion of work. (excluding shuttering and centering)	01,51 ~ 03,00m	m³	195			8,813.87	1,718,704 65	
	5) Manhole installation work								
	Construction of brick masonry manhole in first class brick of following types and sizes in cement mortar 1:4, P.C.C. top slab with 1:2:4, foundation concrete 1:2:4, inside & outside plastering 12mm thick with cement mortar 1:3 finished with floating coat of neat cement and making channels in cement concrete with 1:2:4, finished with floating coat of neat cement complete with including CI steps (PVC encapsulated) staggered at 0.3 m interval, RCC arch above pipe including excavation, reinforcement and form work, SFRC heavy duty frame and cover as per standard design and drawing.		Nos	10			53,350	533,500 00	
	6)Pipe material cost								
	R C.C. PIPES. NP-3 CLASS, Dia.	R.C.C. PIPES: NP-3 CLASS, Dia. 600mm	m	500			1,987	993,500.00	

					PC Portio	n (Yen)	I.C Porti	on (INR)	D. C.
	liems	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
UPJN SOR 3205 ii	Providing and conveying to site RCC pipes with sulphate resistant cement of following class (with s/s ends) and dumeter as per 15: 458 - 2003 (Amended up to date) including all taxes (Central and Local) with Rubber gaskets as per (IBPDM/SBR) for sewer lines as per 15: 5382-1985 or (Amended up to date), including cost of Rubber gaskets, lubour required, transportation loading, unloading & stocking etc.(excluding cost of laying, jointing, testing and commissioning). The pipe shall be ISI marked		m	500			894.99	447,495,00	
	Total							4,317,996	
	107							1,111,121	
	3. Buildings								
PWD Plinth Area Rate	1) Administrative Building		m ²	300			20,894.48	6,268,344,00	
s on 01.10.2012 PWD Plinth Area Rate							5 ma 1. to	952,788,29	
s on 01.10.2012	2)Staff Quarter		m ²	45.6			20,894,48	932,788,29	
PWD Plinth Area Rate s on 01,10,2012	3)Guard room		m²	9			20,894 48	188,050.32	
			_						
	Total				 			7,409,183	
CPWD Plinth Area Rate			-						
s on 01,10,2012	4. Site Development				ļ	-			
6,1	levelling	•	m'	5,000	ļ	ļ	95	475,000.00	
6,4	Water supply		m²	5,000			45 85	225,000.00 425,000.00	
6.5	Storm Water Drain Horticluture		m² m²	5,000			80	400,000.00	
6.7	Ligthing Area		m ²	5,000	-		95	475,000.00	
	Boundary Wall installation		m	500			6,650	3,325,000.00	
	Gate installation	3_6m wide	l.s	1			67,000	67,000,00	
UP PWD	Internal Roads & Pathways		m²	3,850			3,634	13,990,900,00	
	Total				ļ			19,382,900	
	5. Lab Equipment		-						
	Lab Equipment		Ls	ı				1,372,968	Details are mentioned in
				-					DPR
					· · · · · · · · · · · · · · · · · · ·				
	6. Fire Fighting system								
	1) Supply & installation of ISI marked single headed 63mm dia gunmetal lading value, Flanged Inlet with 63mm female instantaneous outlet confirming to IS 5290 on the fire wet riser/down comer including making 80b Nb pipe connection with riser fixing the landing valves in proper positions including supply of nuts, bolts, gaskets caps, chain etc. testing the hydrant and completing the work in all respect as per direction of the Engineer-in-charge (Make Fires/Safes/ Minimax/ Newage/DSS)		No	8			5,900	47,200	
	2) Supply laying & installation of mild steel pipes, tees, elbow, reducer etc below grounds including necessary cost and work. 25mm		m	12			320	3,840	
	Supply laying & installation of mild steel pipes, tees, elbow, reducer etc below grounds including necessary cost and work. 65mm		m	25			580	14,500	
	Supply laying & installation of mild steel pipes, tees, elbow, reducer etc below grounds including necessary cost and work, 80mm		m	75			725	54,375	
	100mm		m	100		l	940	94,000	1

11 -			1 2 7	-	FC Portio	n (Yen)	LC Porti	on (INR)	D 2
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	150NB		m	100			1,410	141,000	
	3) Supply & fixing in position ISI marked cast iron double flanged sluice valves with gun metal as per IS 780 class PN 16 including transporting to work site supply and fixing nuts, bolts, gaskets and washer etc. including testing complete as per drawing as per the Engineer-in-charge make(Kirloskar/Castle/Sir/Kalpana) 80 NB		No.	12			4,750	57,000	
	100NB		No.	8			5,840	46,720	
, ***	150NB		No	8			8,450	67,600	
	4) Supply, fixing in position ISI marked cast iron double flanged non return valves as per IS 5312, including transportation to worksite, supply & fixing nuts bolts gasket and washers etc complete with testing as per direction of the Engiaeer-in-charge make (Kirlosker/Castle/Sir/Kalnpana) 80 NB		No	1			3,620	3,620	
	100NB		No	1			4,720	4,720	
	150NB		No	2			7,920	15,840	
	5) Supply, installation and testing of cylindrical type air cushion/vessel tank, 250mm dia 1.0 m long and of thickness 6mm MS, on top of wet riser and with the pump set neluding flanged connection etc. The air cushion tank shall be)roviding with an automatic air release valve, safety valve pressure gauge etc complete as per direction of the Engineer-in-charge.		No.	1			25,000	25,000	
	6) Supply fixing testing & Commissioning of 20mm bore and 30meter long hose (Rubber lined)unlop pipe) and hose reel for first lid fire fighting, conforming to IS 384, with full swing drum fixing brackets, 5mm dia. Shut off gun metal nozzle 25mm dia. Shut off gun metal nozzle 25mm dia. Gl pipe including 25mm dia. Gl pipe including 25mm dia. Gl pipe length with sockets, elbow nipples etc including providing operating instruction on a metal plate and fixing it near hose reel. The system shall be complete in all respect as per drawing and direction of Engineer-in-charge		No	2			7,200	14,400	
	7) Providing gun metal IS marked 63mm dia. branch pipes & 20mm dia nozzle near wet riser as required (Make: Minimax/ Firex/ Saex/ Newaqe/		No	2			2,000	4,000	
	8) Providing IS marked R.R.L. (IS 636 Type II) Fire hose pipe 1 5 m long and 63mm dia. with IS1 marked (IS: 903 gun metal make and female" coupling complete as required near wet riser make "JAYSHREE NEWAGE CRC"		No.	4			6,500	26,000	
	9) Providing and fixing orifice plate at appropriate place to restrict the pressure at different floor on the wet riser system and yard hydrant it shall be inserted between the tee and hydrant valve, the size of plate being 100mm or 80mm (as the case may be) the hole not less than 50mm and the thickness shall not be less than 6mm of stainless steel as required.		No.	1			550	550	

	والبيديدينات	77	522	I'C Portic	n (Yen)	LC Porti	on (INR)	
ltems	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
10) Providing and fixing of draining: arrangement to the vertical wet riser system/spriklers system with i necessary 50nm GI pipe complete with 50mm dia stop valve		No	ı			1,600	1,600	
11) SFTC Weather proof standard fire hose cabinet "0.9m x. 0.9m x. 0.45m", out door type suitable for accommodating yard hydrant made for not less than 16 swg MS sheet having central opining glass door (5mm thick clear glass) including necessary locking arrangement with hanger for housing two nox. 15m long fire hoc pipe branch pipe and hydrant valve as required including painting (one cont primer and two cont a fire rate paint by the fire rate color, the enbinet shall be mounted on suitable raised platform the words. "WHOSE CABINAT" to be painted on the front glass door.		ż	2			4,800	9,600	
12) STTC standard fire hose cabinet door (1.0, * 1.8m) suitable to fit in the just made of not less than 16 SWG MS sheet having central opening Jass door (5mm thick clear glass) reliiding necessary locking Tangement & handle as required including necessary locking arrangement & handle as required including painting) one coat primer (4 two coats of fire red color) by the fire red color, the door shall be fixed in the masonry wall as required the words HOSE CABINIET to be painted on the front glass door.		No	;			3,750	7,500	
13) Constructing brick masonry chamber 60*60*100 cm inside the 75 class designation FPS brick work in cement mortar 1:5(1 cement 5 fine sand) for sluice valve with CI cover and frame (medium duty) 500mm internal diameter total weight of cover and frame to be not less than 116 kg (weight of cover 58kg and weight of frame 58kg), with chained lid and RCC top slab 1:2.4 mix(I cement: 2 coarse sand 4 graded stone aggregate 20mm nominal size) necessary excavation, foundation, concrete 1:5:10 (1 cement: 5 fine sand 10 graded stone aggregate) 40mm nominal size and inside plastering with cement mortar 1:3 (1 cement: 3 coarse sand) 12mm thick with floating coat off.		No.	1			14,000	14,000	
14) S.I.T.C. of 4 way 63mm instantaneous inlet for fire brigade connection including provision for 150mm dia sluice valve and not return valve (the cost of sluice and non return valve shall be under separate item) and making connection with 150 NB fire fighting wet riser pipe or under ground water tank and fixing inlet with caps and chains in a 5mm thick glass, fronted box of 16 GWG MS sheet, fixing it on the ground level on concrete base, painting with fire red paints, completing the work in ill respects as per direction of the jngineer-in-charge conforming to he relevant IS:5290		No.	1			22,500	22,500	

		g	11.00	C	FC Portio	n (Yen)	LC Portion	on (INR)	Reference	
TO SHE	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Keterence	
	15) S.I.T.C. of TAG approved electrical motor driven fire pump suitable for lutomatic operation consisting of billowing (main pump for hydrant >ystem) Kirloskar made		No.	1			250,000	250,000		
	16) Horizontally mounted split casing centrifugal fire pump complete for ielivery of under mentioned lischarge against desired mentioned lead so as to insure of minimum jressure of thirty mtr. At highest and arthest out let at the specified flow omplete with necessary stainers, iressure gauge including bypass rrangement for periodic testing of le working of the pump set as well as testing of automation with required length and size of medium class GI pipe and control valves for proper completion of work, the pump shall be capable of giving 150% of rated discharge at head not; less than 65% of rated head the pump "shall be provided with: mechanical seal, the impeller shall be enclosed type and accurately balanced dynamically, the pump casing shall be of cast iron, impeller shall be of bronze and shaft shall be of stainless steel.		No.	1			18,000	18,000		
	17) Squirrel case TEFC induction motor suitable for 415V 3 phase having IP 55 protection and class B insulation for the above pump and flexible coupling with the pump, the motor shall be rated for continuous duty/ and shall, have HP rating necessary to drive to pump at 150% of its rated discharged at 65% of rated head.		No	1			50,000	50,000		
	18) S.I.T.C. of TAC approved diesel engine driven fire pump suitable for automatic operation consisting of following (standby pump) Kirloskar make		No.	1			46,000	46,000		
	19) S IT.C. of TAC approved electrical motor driven fire pump suitable for automatic operation consisting of following (Jockey pump) Kirloskar		No.	1			54,000	54,000		
	20) Fabricating supply fixing testing & commissioning of cubical type flow mounted electrical control panel of 2mm thick CRCA sheet for fire fighting pump with suitable relays, S/F unit with HRC fuses for incoming and outgoing feeders contactor, star delta starters including land ammeter, voltmeter, selector, switches, CTs, PT's protective fuses indicating light for incoming and out going feeders auxiliary switches dry section cutoff, single phase presenter, suitable capacity copper bus bars etc. The panel, shall be provided with inter locking arrangement between electric motor driven and diesel engine driven pump so that only one pump can operate at one time, and in case of any failure in electrical motor driven pump the diesel engine driven pump shall operate automatically. The installation shall be complete including all control wiring and connection as required for following pumps-		No					C		
	1 No. Electric motor driven		No:	1		-	13,500	13,500		
	1 No. Diesel pump		No.	1			10,500	10,500	 	
	1 No Jockey pump		No.	1			12,000	12,000		

			PC Portion (Yen)		n (Yon)	LC Porti			
	liems	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amquint	Reference
	C02 gas type 4.5 kg capacity			1			7,800	7,800	
	Foam APPP type 2 fitre capacity			1			1,780	1,780	
				<u> </u>					
	Total					0		1,139,145	
	7.Solt Investigation of STP Site								
	Provision for soil investigation		job	1			1,000,000	1,000,000	
	8. 50KL RCC overhead Tank, Pump &	Appurtenet works							
	1) Design and construction of 50 KL, RCC O HT at a staging of 10 0m excluding cost of all pipes stude valves and specials but inclusive of all other works and fixing of pipes including cost of all libour, materials, T&P etc. complete with) snowcein punting railing stail etc.		liter	50,000			15	750,000	
	2) Cost of inlet pipe 100mm dia outlet pipe 100mm dia overflow pipe 150mm dia and washout pipe 100mm dia with CI duck foot bends and sluce valve of each size including cost of sluce valve chambers etc. all complete		LS	1			300,000	300,000	
	3) Construction of pump house building (4m x 4m), with tube well and rising main of 100 mm dia of 50 m lengthete		LS	1			1,566,000	1,500,000	
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	Total					()		2,550,000	
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10MLD STP E&M works

	The state of	E	VAN S	FC Portion (Yen) LC		LC Porti	on (INR)	Reference
Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
								-
[Direct Cost]								
Civil/Building work>		ļ		<u> </u>				
Mechanical works		pc	1		0		56,018,400.00	
Electrical works		pc	1		0		11,925,440 00	
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Sub-Total							67,943,840.00	
Sub-Total		-			0		07,243,840.00	
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Sewege Pumping Station at Mallahi

	PC Portion (Yen)		n (Yen)	LC Porti	on (INR)	0.6		
Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
[Direct Cost]								
Civil/Building work>				-				
, Inlet Chamber		110	1		0		1,307,587	
2. Coarse Screen Chambers		pc	1		0		2,083,185	
Silt entching basin		pc	1		0		3,019,371	
. Wet Well		he	1		0		8,138,640	
5. Pump House Building		pc	1		0		1,462,253	r, commentered
, HT Room/ Metering Room		pc	1		0		2,742,255	
. Transformer Platform		pc	1		0		67,003	
B. DG Set Platform		pc	1		0		204,078	
Fencing around SPS and four pole stru	icture	pc	1		0		8,392	
0, Staff Quarter		pe	1		1		1,230,206	
Sub-Total					0		20,262,970	
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		D 10 11		0:	FC Portic	n (Yen)	LC Porti	on (INR)	Reference
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	<civil building="" work=""></civil>		V	- 0				Partie Variable	8
	1. Inlet Chamber						~		
	1) Earth Work								
	Excavation up to following depths below G.L. for laying sewer line, manholes in ordinary soil (earth, sand, loam & clay) including cutting of joints pits ramming dressing, leveling, refilling of trenches in 20cm layer watering and ramming the same								
	including removal of surplus earth or other dismantled material up to a								
UPJN SOR 3001		0.00m - 1.50m B.G.L.	m ³	36 0			184.79	6,652.44	
UPJN SOR 3002		1.51m - 3.00m B G L	m ³	28 9			231_98	6,699.58	
	2) Piling								
	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of								
	pile for payment shall be measured upto		1		1			ļ	
DSR 2014 20.3.3	Pile installation	450mm dia. Piles	m	48			2,835 95	136,125.60	
	Concrete work R.C.C. work with cement, coarse sand		4					-	
	and 20 mm gauge approved stone ballast in proportion of 1:1.5:3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials,								
UPJN SOR 1025 i.	Pile Cap/Beam		m ³	3.20			12,715 80	40,690.56	
UPJN SOR 1025 i	Column		m³	2.79			12,715,80	35,477 08	
UPJN SOR 1025.i.	Beam		m³	3.20			12,715.80	40,690.56	
UPJN SOR 1025.i.	Slab		m ³	5.73			12,715.80	72,861.53	
UPJN SOR 1025.i.	Wall		m³	36.62			12,715 80	465,652.60	
DSR 2013	4) Form work Centering and shuttering including strutting, propping, etc and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Columns, Beams,								
5 9 5	Pile Cap/Beam		m²	14.22			322.15	4,580.97	
596	Column		m ²	24 77			453.35	11,229.48	
5.9.5	Beam-1		m ²	14 22			332.15	4,723.17	
5.9.5	Beam-2		m ²	7.11			332.15	2,361.59	
5,9.3	Slab-1		m ²	19.11			401.65	7,675.53	×
5,9.3	Slab-2		m ²	4.74			401,65	1,903.82	
5 9.2	Wall		m ²	162 74			360 80	58,716.59	
	5) Re-Bar work		1		1				
UPIN SOR	Mild steel or iron work in plane work such as in R.C.C work (When not included in over all rates) wrought to the required shape as necessary including bending for the completion of work and including supply of all materials, labours, T&P etc. complete								
1151	Pile @0.8%		kg	480 42			70.96	34,090.60	
1151	Pile Cap/Beam @1.0%		kg	200.93			70.96	14,257.99	
1151	Column @1.0%		kg	218,74			70.96	15,521.79	
1151	Beam @1.0%		kg	251 16		†	70.96	17,822.31	
1151	Slab @1.0%		kg	450.04	1		70.96	31,934.84	
1151	Wall @1.25%		kg	3,592.99		+	70.96	254,958.57	
1171	6) Epoxy painting work		1.6	2455,8165	-			,>===,	

	ltems	Specification	Unit	Qty	PC Portic	n (Yon)	LG Pont	on (INR)	Reference
	sterns	Specification	One	Qty	Unit Price	Amount	Unit Price	Amount	Reference
DSR-2014 13.52	Pinishing with Booxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface,								
13.52.2	etc. complete, inside Inlet Chamber up concrete work		m²	72 10			12 1 15	8,734,92	
	7) Poot rest installation								
	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per 15 : 10910, on 12 mm dia steel bar conforming to 18: 1786, having minimum cross section as 23 mm×25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm trend on top surface by ribbing or chequering besides necessary and adequate anchoring projections on full length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including								
	fixing minlet chamber with 30x20x15 cm cement concrete block 1/3/6/11								
	cement 3 course sand 6 graded stone		1		ļ	ļ <u>.</u>			
DSR-2014 19.16	Foot rest installation 8) Railing installation work		No	18	-	 	311.6	5,608.80	
	Providing and fixing 1 00m high Railing made up of 25mm diameter Gl pipe (in three rows 1 fixed with 75x50x6 MS angles including supply of all materials labour and T&P etc for proper completion of work also including one priming coat & two coat 1m high railing installation		m	14.6			1.960.00	28,616.00	
	Total		-					1,307,587	
	2. Coarse Screen Chambers								
	1) Earth Work								
UPJN SOR	Excavation up to following depths below G.L. for laying sewer line, manholes in ordinary soil (earth, sand, loam & clay) including cutting of joints pits ramming dressing, leveling, refilling of trenches in 20cm layer watering and ramming the same including removal of surplus earth or other dismantled material up to a								
3001		0.00m - 1.50m B.G.L.	m ³	45.0			184.79	8,315.55	
3002		1.51m - 3,00m B,G.L.	m ³	40.5			231,98	9,395,19	
	2) Piling								
DSR 2014	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto								
20.3.3	Pile installation	450mm dia Piles	m	96		I	2,835.95	272,251.20	
	Concrete work R.C.C. work with cement, coarse sand								
	and 20 mm gauge approved stone ballast in proportion of 1:1.5:3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and								

	The state of the s	0 0	1		FC Portio	n (Yen)	LC Porti	Peference	
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
1025.i	Pile Cap/Beam-2		m ³	3_48			12,715.80	44,250.98	
1025 i	Column		m ³	5.57			12,715.80	70,827.01	
1025 i	Beam-1		m ³	4.86			12,715.80	61,798,79	····
1025.i.	Beam-2		m ³	3.48			12,715.80	44,250,98	
1025.i.	Slab		m ³	7,74	·		12,715.80	98,420.29	
	Wall		m ³	49 46				628,923,47	
1025.i.			m	49.46			12,715.80	020,923,47	
DSR 2013	4) Form work Centering and shuttering including sturtting, propping, etc. and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Coulmns, Beams,								
5,9,5	Pile Cap/Beam-1		m ²	21,60	<u> </u>		322,15	6,958.44	
5.9.5	Pile Cap/Beam-2		m ²	15.48	1	 	322 15	4,986.88	
5.9.6	Column		m ²	49.45			453.35	22,418.16	
	Beam-1		m ²	21,60			332 15	7,174.44	
5.9.5							332 15	5,141.68	
5.9 5	Beam-2		m ²	15.48	 			·	
5.9 3	Slab-1		m ²	25,80			401.65	10,362.57	
5.9.3	Slab-2		m²	6.18			401.65	2,482.20	
5.9 2	Wali		m ²	219.84		-	360_80	79,318.27	
UPJN SOR	5) Re-Bar work Mild steel or iron work in plane work such as in R.C.C work (When not included in overall rates) wrought to the required shape as necessary including bending for the completion of work and								
1151	including supply of all materials, Pile @0.8%		kg	722,20	 		70.96	51,247.31	
1151	Pile Cap/Beam @1.0%		kg	523.94	 	1	70.96	37,178.78	
				437.47			70.96	31,042.87	
1151	Column @1.0%		kg .		1				
1151	Beam @1.0%		kg	654,93	-		70.96	46,473.83	
1151	Slab @1.0%		kg	607,59			70.96	43,114.59	
1151	Wall @1.25%		kg	4,853.66			70,96	344,415.71	
DSR-2014 13.52	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete, inside Inlet Chamber up								
13.52.2	Concrete work		m²	239 40			121 15	29,003.31	
DSR-2014 19.16	7) Foot rest installation Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per 1S : 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing ininlet chamber with 30x20x15 cm cement .3 coarse sand .6 graded stone Foot rest installation Providing and fixing MS start for		No.	46			311.6	14,333.60	
1150	Providing and fixing MS stair for entering in to silt catching basin as per satisfaction of Engineer in charge including supply of all materials labour								
	and T&P etc for proper completion of		kg	250.00			95.12	23,780.00	
	MS stair installation		I VR	230.00	1		22.14	ا00.00, دع	

	ltems -	Specification	Unit	Qty	PC Portio	251 (1 EB)	LC Porti	on (INR)	Reference
-21-2-31		Directionion	Cint	Qi)	Unit Price	Amount	Unit Price	Amount	Kererence
	Providing and fixing 1 00m high Railing made up of 25mm diameter Of								
	pipe (in three rows) fixed with								
	75x50x6 MS angles including supply of all materials labour and T&P etc for								
	proper completion of work also								
	including one priming coat & two cost						00000		
	1m high railing Installation		ni	12.0			1,960 00	23,520 00	***
	10							2.02.104.00	
	Total							2,083,184.89	
	3. Silt entching basin								
	1) Earth Work								
	Excavation up to following depths								
	below G.L. for laying sewer line, manholes in ordinary soil (earth, sand,								
	Ioam & clay) including cutting of joints								
	pits ramming dressing, leveling,								
	refilling of trenches in 20cm layer watering and running the same								
	including removal of surplus earth or								
UPJN SOR 3001	other dismantled material up to a Excavation			47.6			101.70	12,473,33	· · · · · · · · · · · · · · · · · · ·
UPJN SOR 3001 UPJN SOR 3002	Excavation	0.00m = 1.50m B G L	m'	67.5			184 79 231 98	13,918.80	
01314 3C/K 3C/L2	2) Piling	1.51m = 3.00m B G L	m	110 ()			*31.30	13,718.80	
	Boring, Providing and installing cast in	h	02-		·				
	situ single under reamed piles of								
	specified diameter and length below pile cap in M-25 cement concrete, to								
	carry a safe working load not less than								
	specified, excluding the cost of steel								
	reinforcement but including the cost of boring with bentonite solution and the							ĺ	
	length of the pile to be embedded in				1				
	pile cap etc all complete (Length of							{	
7.07	pile for payment shall be measured upto								
DSR 2014 20.3.3	Pile installation	450mm dia Piles	m	144			2,835.95	408,376.80	
	Concrete work R.C.C. work with cement, coarse sand								
	and 20 mm gauge approved stone								
	ballast in proportion of 1:1.5:3 in								
	columns excluding supply of reinforcement and its bending but								
	including its fixing and binding the								
	same with 0.50 mm thick binding wire					}			
	(to be supplied by the contractor)					}			
	including necessary centering and shuttering, supply of all materials,								
UPJN SOR 1025.i.	Pile Cap/Beam-1		m ³	7.29	1		12,715.80	92,698.18	
				7					
UPJN SOR 1025.i.	Pile Cap/Beam-2		m³	5.22			12,715.80	66,376.48	
	Pile Cap/Beam-2 Column		-				12,715.80 12,715,80	66,376.48 106,304.09	
UPJN SOR 1025.i. UPJN SOR 1025.i. UPJN SOR 1025.i.	 		m³	5.22					
UPJN SOR 1025.i. UPJN SOR 1025.i	Column		m³ m³	5.22 8.36			12,715,80	106,304 09	
UPJN SOR 1025.i. UPJN SOR 1025.i	Column Beam-I		m ³ m ³ m ³	5.22 8.36 7.29			12,715,80 12,715,80	106,304 09 92,698 18	
UPJN SOR 1025.i. UPJN SOR 1025.i UPJN SOR 1025.i.	Column Beam-1 Beam-2		m ³ m ³ m ³ m ³	5.22 8.36 7.29 5.22			12,715,80 12,715,80 12,715,80	106,304 09 92,698 18 66,376 48	
UPJN SOR 1025.i. UPJN SOR 1025.i UPJN SOR 1025.i. UPJN SOR 1025.i.	Column Beam-1 Beam-2 Slab		m ³ m ³ m ³ m ³ m ³	5.22 8.36 7.29 5.22 15.48			12,715,80 12,715,80 12,715,80 12,715,80	106,304 09 92,698.18 66,376.48 196,840.58	
UPJN SOR 1025.i. UPJN SOR 1025.i UPJN SOR 1025.i. UPJN SOR 1025.i. UPJN SOR 1025.i.	Column Beam-1 Beam-2 Slab Wall-1		m ³	5.22 8.36 7.29 5.22 15.48 49.46			12,715,80 12,715,80 12,715,80 12,715,80 12,715,80	106,304 09 92,698,18 66,376.48 196,840.58 628,923.47	
UPIN SOR 1025 i.	Column Beam-1 Beam-2 Slab Wall-1 Wall-2		m ³	5.22 8.36 7.29 5.22 15.48 49.46 4.00			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80	106,304 09 92,698.18 66,376.48 196,840.58 628,923.47 50,863.20	
UPIN SOR 1025 i.	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including		m ³	5.22 8.36 7.29 5.22 15.48 49.46 4.00			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80	106,304 09 92,698.18 66,376.48 196,840.58 628,923.47 50,863.20	
UPJN SOR 1025.i. UPJN SOR 1025 i UPJN SOR 1025 i.	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including strutting, propping, etc. and removal of		m ³	5.22 8.36 7.29 5.22 15.48 49.46 4.00			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80	106,304 09 92,698.18 66,376.48 196,840.58 628,923.47 50,863.20	
UPIN SOR 1025 i.	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including		m ³	5.22 8.36 7.29 5.22 15.48 49.46 4.00			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80	106,304 09 92,698.18 66,376.48 196,840.58 628,923.47 50,863.20	
UPJN SOR 1025 i. UPJN SOR 1023 i.	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including strutting, propping, etc. and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Columns, Beams,		m ³	5.22 8.36 7.29 5.22 15.48 49.46 4.00 3.44			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80	106,304 09 92,698.18 66,376.48 196,840.58 628,923.47 50,863.20	
UPIN SOR 1025 i.	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including strutting, propping, etc. and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Columns, Beams, Pile Cap/Beam-1		m³ m	5.22 8.36 7.29 5.22 15.48 49.46 4.00			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80	106,304 09 92,698.18 66,376.48 196,840.58 628,923.47 50,863.20	
UPJN SOR 1025.i. DSR 2013 5.9 5 5.9 5	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including strutting, propping, etc. and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Columns, Beams, Pile Cap/Beam-1 Pile Cap/Beam-2		m³ m	5.22 8.36 7.29 5.22 15.48 49.46 4.00 3.44			12,715,80 12,715,80 12,715,80 12,715,80 12,715,80 12,715,80 12,715,80 12,715,80	106,304 09 92,698.18 66,376.48 196,840.58 628,923.47 50,863.20 43,742.35	
UPJN SOR 1025.i. DSR 2013 5.9 5 5.9 5 5.9 6	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including strutting, propping, etc. and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Columns, Beams, Pile Cap/Beam-1 Prile Cap/Beam-2 Column		m³ m	5.22 8.36 7.29 5.22 15.48 49.46 4.00 3.44 43.20 15.48 74.30			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 322.15 322.15 453.35	106,304 09 92,698 18 66,376 48 196,840.58 628,923 47 50,863.20 43,742.35 13,916.88 4,986.88 33,683.91	
UPIN SOR 1025.i. DSR 2013 5.9 5 5.9 5 5.9 6 5.9 5	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including strutting, propping, etc. and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Columns, Beams, Pile Cap/Beam-1 Pile Cap/Beam-2 Column Beam-1		m³ m	5.22 8.36 7.29 5.22 15.48 49.46 4.00 3.44 43.20 15.48 74.30 43.20			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 322.15 322.15 453.35 332.15	106,304 09 92,698 18 66,376 48 196,840.58 628,923 47 50,863.20 43,742.35 13,916.88 4,986.88 33,683.91 14,348.88	
UPJN SOR 1025.i. DSR 2013 5.9 5 5.9 5 5.9 6 5.9 5 5.9 5	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including strutting, propping, etc. and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Columns, Beams, Pile Cap/Beam-1 Pile Cap/Beam-2 Column Beam-1 Beam-2		m ³	5.22 8.36 7.29 5.22 15.48 49.46 4.00 3.44 43.20 15.48 74.30 43.20 15.48			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 322.15 322.15 453.35 332.15 332.15	106,304 09 92,698 18 66,376 48 196,840.58 628,923.47 50,863.20 43,742.35 13,916.88 4,986.88 33,683.91 14,348.88 5,141.68	
UPIN SOR 1025.i. DSR 2013 5.9 5 5.9 5 5.9 6 5.9 5 5.9 5 5.9 5 5.9 5	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including strutting, propping, etc. and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Columns, Beams, Pile Cap/Beam-1 Pile Cap/Beam-2 Column Beam-1 Beam-2 Slab-1		m ³	5.22 8.36 7.29 5.22 15.48 49.46 4.00 3.44 43.20 15.48 74.30 43.20 15.48 51.60			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 322.15 322.15 453.35 332.15 401.65	106,304 09 92,698 18 66,376 48 196,840.58 628,923.47 50,863.20 43,742.35 13,916.88 4,986.88 33,683.91 14,348.88 5,141.68	
UPJN SOR 1025.i. DSR 2013 5.9.5 5.9.5 5.9.6 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including strutting, propping, etc. and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Columns, Beams, Pile Cap/Beam-1 Pile Cap/Beam-2 Column Beam-1 Beam-2 Slab-1 Slab-2		m³ m	5.22 8.36 7.29 5.22 15.48 49.40 4.00 3.44 43.20 15.48 74.30 43.20 15.48 51.60 8.58			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 322.15 322.15 453.35 332.15 332.15	106,304 09 92,698 18 66,376 48 196,840.58 628,923 47 50,863 20 43,742 35 13,916 88 4,986 88 33,683.91 14,348.88 5,141.68 20,725 14 3,446.16	
UPJN SOR 1025.i. DSR 2013 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including strutting, propping, etc. and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Columns, Beams, Pile Cap/Beam-1 Pile Cap/Beam-2 Column Beam-1 Beam-2 Slab-1 Slab-2 Wall-1		m³ m	5.22 8.36 7.29 5.22 15.48 49.46 4.00 3.44 43.20 15.48 74.30 43.20 15.48 51.60			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 322.15 322.15 453.35 332.15 401.65	106,304 09 92,698 18 66,376 48 196,840.58 628,923.47 50,863.20 43,742.35 13,916.88 4,986.88 33,683.91 14,348.88 5,141.68	
UPJN SOR 1025.i. DSR 2013 5.9.5 5.9.5 5.9.6 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5 5.9.5	Column Beam-1 Beam-2 Slab Wall-1 Wall-2 Wall-3 4) Form work Centering and shuttering including strutting, propping, etc. and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Columns, Beams, Pile Cap/Beam-1 Pile Cap/Beam-2 Column Beam-1 Beam-2 Slab-1 Slab-2		m³ m	5.22 8.36 7.29 5.22 15.48 49.40 4.00 3.44 43.20 15.48 74.30 43.20 15.48 51.60 8.58			12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 12,715.80 322.15 322.15 322.15 332.15 401.65 401.65	106,304 09 92,698 18 66,376 48 196,840.58 628,923 47 50,863 20 43,742 35 13,916 88 4,986 88 33,683.91 14,348.88 5,141.68 20,725 14 3,446.16	

	Ta-man	Chesification	I I	Otto	FC Portio	n (Yen)	LC Porti	on (INK)	Reference
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Keterence
UPIN SOR	Mild steel or iron work in plane work such as in R.C.C work (When not included in over all rates) wrought to the required shape as necessary including bending for the completion of work and including supply of all materials, labours, T&P etc. complete								
1151	Pile @0 8%		kg	1,083.30			70.96	76,870.97	
1151	Pile Cap/Beam @1 0%		kg	785.91			70.96	55,768.17	
1151	Column @1.0%		kg	656.21			70.96	46,564.66	
1151	Beam @1.0%		kg	982.39			70.96	69,710.39	
1151	Slab @1.0%		kg	1,215 18			70.96	86,229.17	
1151	Wali @1.25%		kg	7,438.27			70 96	527,819.64	
	6) Epoxy painting work				1				
DSR-2014 13.52	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete inside Inlet Chamber up								
13.52.2	Concrete work-1		m ²	159.60			121.15	19,335.54	
13,52,2	Concrete work-2		m²	20.00			121.15	2,423.00	
13,52,2	Concrete work-3		m ²	17.20			121.15	2,083.78	
1150	7) Stair installation Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing ininlet chamber with 30x20x15 cm cement concrete block 1:3:6 (1 cement: 3 coarse sand 6 graded stone MS stair installation 8) Railing installation work Providing and fixing I.00m high Railing made up of 25mm diameter GI		kg	350 00			95 12	33,292.00	
	pipe (in three rows) fixed with 75x50x6 MS angles including supply of all materials labour and T&P etc for proper completion of work also including one priming coat & two coat Total		m	12 0			1,960.00	23,520.00 3,019,371	
			-		1	1		-	
			-						
	4. Wet Well		-		-	ļ		1	
	1) Earth Work Excavation up to following depths below G.L. for laying sewer line, manholes in ordinary soil (earth, sand, loam & clay) including cutting of joints pits ramming dressing, leveling, refilling of trenches in 20cm layer watering and ramming the same including removal of surplus earth or								
UPJN SOR 3001	other dismantled material up to a Excavation	0.00 1.50 B.C.	m ³	113.1	+	1	184.79	20,907.14	
ULIN 20K 2001	LACAVACION	0.00m - 1.50m B G L.	m	113.1			104,15	20,307.14	

	Items	Quality in		es.	PC Portio	n (Yen)	LC Porti	on (INR)	Reference
	tigma	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	R.C.C. work with cement, coarse sand and 20 mm gauge approved stone ballist in proportion of 1:1.5;3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials.								
UPJN SOR 1025 i	Top Slab		m³	8.31			12,715.80	105,668 30	
UPJN SOR 1025 i	Bottom Slab		m³	44,18			12,715.80	561,784.04	
UPJN SOR 1025 i	Vertical Walls		m	311.02			12,715.80	3,954,868 12	
	4) Form work								
DSR 2014 5.9.14 &	Centering and shuttering including strutting, propping, etc and removal of form work (Average rate for Foundation, Footings, Bases of Columns, Walls, Columns, Beams,								
5.9.3	Top Slub-1		m'	22,09			401.65	8,872 45	
5.9,3	Top Slab-2		m²	3,96			401.65	1,590.53	
5,9.2	Vertical Walls-outer side		m²	452,39			432.96	195,866.77	
5,9.2	Vertical Walls-inner side		m²	376,99			432,96	163,221.59	
UPJN SOR	5) Re-Bat work Mild steel or non-work in plane work such as in R C C work (When not included in over all rates) wrought to the required shape as necessary including bending for the completion of work and including supply of all materials, labours, T&P etc. complete								
1151	Top Slab @1.0%		kg	652 54			70.96	46,304.24	
1151	Raft @1,0%		kµ	3,468.02			70.96	246,090.70	
1151	Wall @1 25%		kg	30,518 61			70.96	2,165,600,57	
DSR-2014 13.52	more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete, inside Inlet Chamber up								
13.52,2	Inside wall		m²	239 19			121.15	28,977.87	
13.52.2	7) Foot rest installation		m²	22,09			121.15	2,676.20	
	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS 10910, on 12 mm dia steel bar conforming to IS. 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and								
	suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing ininlet chamber with 30x20x15 cm cement concrete block 1:3:6 (1								
DSR-2014 10 16	chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing ininlet chamber with 30x20x15 cm cement concrete block 1:3:6 (1 cement . 3 coarse sand . 6 graded stone		No	54			225.0	12 150 00	
DSR-2014 19.16	chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing ininlet chamber with 30x20x15 cm cement concrete block 1:3:6 (1 cement . 3 coarse sand . 6 graded stone CI-Foot rest installation		No.	54			225.0	12,150.00	
DSR-2014 19.16	chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing ininlet chamber with 30x20x15 cm cement concrete block 1:3:6 (1 cement . 3 coarse sand . 6 graded stone CI-Foot rest installation 8) Railing installation work Providing and fixing 1.00m high Railing made up of 25mm diameter GI pipe (in three rows) fixed with 75x50x6 MS angles including supply of all materials labour and T&P etc for proper completion of work also including one priming coat & two coat								
	chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing ininlet chamber with 30x20x15 cm cement concrete block 1:3:6 (1 cement .3 coarse sand .6 graded stone CCI-Foot rest installation 8) Railing installation work Providing and fixing 1.00m high Railing made up of 25mm diameter GI pipe (in three rows) fixed with 75x50x6 MS angles including supply of all materials labour and T&P etc for proper completion of work also including one priming coat & two coat Im high railing installation		No.	20.05			225.0 1,960.00	12,150.00 39,298.00	
DSR-2014 19.16 UPJN SOR 3163	chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing ininlet chamber with 30x20x15 cm cement concrete block 1:3:6 (1 cement . 3 coarse sand . 6 graded stone Ct-Foot rest installation 8) Railing installation work Providing and fixing 1.00m high Railing made up of 25mm diameter GI pipe (in three rows) fixed with 75x50x6 MS angles including supply of all materials labour and T&P etc for proper completion of work also including one priming coat & two coat Im high railing installation 9)Well installation	0.0 - 1.5m deep							

		n /n /	- 31		FC Portio	n (Yen)	LC Porti	on (INR)	n.c
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
3165		3.0 - 6.0m deep	m	1.5			172,633,81	258,950 72	
	Total							8,138,640	
	5. Pump House Building								
WD Plinth Area Rate	construction of pump house building		m²	54			27,078.75	1,462,252.50	
			1						
	6. HT Room/ Metering Room		 						
arm no di a	Construction of HT room/ metering		1 3	100			25 201 25	2.742.255.00	
WD Plinth Area Rate	room		m³	108			25,391,25	2,742,255.00	
	7. Transformer Platform								
	1) Earth Work								
UPJN SOR	Excavation up to following depths below G.L. for laying sewer line, manholes in ordinary soil (earth, sand, loam & clay) including cutting of joints pits ramming dressing, leveling, refilling of trenches in 20cm layer watering and ramming the same including removal of surplus earth or								
	other dismantled material up to a								
3001	ap w	0 00m - 1 50m B.G.L	m ³	6.8			184.79	1,247.33	
3002		1.51m - 3 00m B.G.L	m ³	0.68	1		231.98	157.75	
	3) Concrete work		1 1						· . · · · · · · · · · · · · · · · · · ·
UPIN SOR	R.C.C. work with cement, coarse sand and 20 mm gauge approved stone ballast in proportion of 1:1.5:3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials,								
1017	in foundation lean concrete		m ³	0.68	1		6,364.94	4,328 16	
1025.i	Block foundation		m ³	4.1			12,715.80	52,134 78	
1025.1	5) Re-Bar work		1111	75.1			12,715.00	2,121.00	
UPJN SOR	Mild steel or iron work in plane work		+ +			-			
1151	Raft @0.4%		lea	128 7	 	 	70 96	9,135.39	
1131	Rait (0) 476		kg	1237			70 90	9,133.39	
			+ +		+			67.007	
	Total		+	-	1			67,003	
			1 1		1				
	8. DG Set Platform		1 1						
	1) Earth Work								
	Excavation up to following depths below G.L. for laying sewer line, manholes in ordinary soil (earth, sand, loam & clay) including cutting of joints pits ramming dressing, leveling, refilling of trenches in 20cm layer watering and ramming the same including removal of surplus earth or other dismantled material up to a			0.00					~ 5
UPJN SOR 3001	Excavation	0.00m - 1.50m B G L	m ³	24.0	-	-	184.79	4,434 96	
UPJN SOR 3002		1 51m - 3 00m B.G.L	m ³	2.40		ļ	231.98	556.75	
	3) Concrete work								
	R.C.C. work with cement, coarse sand and 20 mm gauge approved stone								
UPJN SOR 1017	in foundation lean concrete		m ³	2.40			6,364.94	15,275,86	
UPJN SOR 1025.1.	Block foundation		m³	123			12,715,80	156,404.34	
	5) Re-Bar work		1						
UPJN SOR	Mild steel or iron work in plane work such as in R.C.C work (When not included in over all rates) wrought to the required shape as necessary including bending for the completion of work and including supply of all materials, labours, T&P etc. complete								
1151	Raft @0.4%		kg	386.2			70.96	27,406.17	
	Total		1-1			1		204,078	
		-	+ +		+	+	 	1	

	PC Portion (Yen)		LC Portio	on (INR)	D. of Constant			
ltems	Specification	Unit	Qty	Unit Price	Ameunt	Unit Price	Amount	Reference
9. Fencing around SPS and four pole stri	ucture							
1) Fence installation Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals of burbed wire weighing 9.38 kg per 100 metres (minimum), between the two posts (minimum), between the two posts fitted and fixed with G.I. staples on wooden plugs or G.I. binding wire field to 6 min bar nibs fixed while ensting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately). Payment to be made per		m	140			9	1,255.80	
R C C. Standards post/ struts/mils/ pales of mix 1-1.5:3 (1 cement : 1.5 coarse sand [3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar nibs wherever required as per direction of Engineer- incharge (cost of earth works in excavation, concrete works in		mi,	0.34			50°588 e	7,130,46	
Total							8,392.26	
			lietta.	_				
Construction of staff quarter		ni	48.5	-		25,391.25	1,230,206.06	
	100000000000000000000000000000000000000						_	
	9. Fencing around SPS and four pote strains with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals of barbed wire weighing 9.38 kg per 100 metres (minimum), between the two posts fitted and fixed with G.I staples on wooden plugs or G.I. binding wire field to 6 min bar ribs fixed while ensting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately). Payment to be made per R.C.C. Standards post/struts/fuils/pales of mix 1-1.5-2. (I cement: 1.5 course sand -3 graded stone aggregate 12.5 min nominal size) with wooden plugs or finm bar nibs wherever required as per direction of Engineerincharge (cost of earth works in excavation, concrete works in	9. Fencing around SPS and four pole structure 1) Fence installation Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals of baibed wire weighing 9.38 kg per 100 metres (minmum), between the two posts fitted and fixed with G.I. staples on wooden plugs or G.I. binding wire fied to 6 mm bar mbs fixed while casting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately). Payment to be mide per R.C.C. Standards post/struts/mile/pales of mix 1.1.5.2 (I cement; 1.5 course small 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar miles wherever required as per direction of Engineerincharge (cost of earth works in excavation, concrete works in	9. Fencing around SPS and four pole structure 1) Fence installation Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals of barbed wire weighing 9.38 kg per 100 metres (minimum), between the two posts fitted and fixed with G.1 staples on wooden plugs or G.1, binding wire field to 6 mm bar mbs fixed while ensting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately) = Payment to be made per R.C.C. Standards post/struts/mils/ pales of mix 1-1.5-2 (1 cement: 1.5 coarse small 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar mibs wherever required as per direction of Engineerincharge (cost of earth works in excavation, concrete works in	9. Fencing around SPS and four pole structure 1) Fence installation Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals of barbed wire weighing 9.38 kg per 100 metres (minimum), between the two posts fitted and fixed with G.I. staples on wooden plugs or G.I. binding wire tied to 6 mm bar mbs fixed while easting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately) is Payment to be made per R.C.C. Standards post/struts/mils/ pales of mix 1:1.5:2 (1 cement: 1.5 coarse small 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar mits wherever required as per direction of Engineerincharge (cost of earth works in excavation, cenerate works in	9. Fencing around SPS and four pole structure 1) Fence installation Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals of barbed wire weighing 9.38 kg per 100 metres (minimum), between the two posts fitted and fixed with G.1 staples on wooden plugs or G.1, binding wire fied to 6 mm bar mbs fixed while ensting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately) = Payment to be made per R.C.C. Standards post/struts/mils/ pales of mix 1-1.5-2 (1 cement: 1.5 coarse stand -3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6 mm bar mbs wherever required as per direction of Engineerincharge (cost of earth works in excavation, concrete works in Total	9. Fencing around SPS and four pole structure 1) Fence installation Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals of barbed wire weighing 9.38 kg per 100 metres (minimum), between the two posts fitted and fixed with G.1 staples on wooden plugs or G.1, binding wire field to 6 mm bar mbs fixed while casting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately) is Payment to be made per R.C.C. Standards post struts/mils/ pales of mix 1:1.5:2 (1 cement : 1.5 course small 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6 mm bar mbs wherever required as per direction of Engineerincharge (cost of earth works in excavation, concrete works in Total 10. Staff Quarter	9. Fencing around SPS and four pole structure 1) Fence installation Fencing with R. C. gost placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizonal lines and two diagonals of barbed wire weighing 9 38 kg per 100 metres (minimum), between the two posts fitted and fixed with G.1 staples on wooden plugs or G.1 binding wire fied to 6 mm bar mba fixed while easting the post (cost of R. C.C. posts, struts, earth work and concrete to be paid for separately). Payment to be made per R. C. C. Standards post's struts/mila/ pales of mix 1:1.5.2 (1 cement; 1.5 coarse sand 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar nihs wherever required as per direction of Engineerincharge (stock of earth works in excavation, concrete works in	9. Fencing around SPS and four pole structure 1) Fence installation Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal limes and two diagonals of babed wire weighing 9.38 kg per 100 metres (inminum), between the two posts fitted and fixed with G.I staples on wooden plugs or G.I. binding wire field to 6 mm bar mbs fixed while casting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately): Payment to be made per R.C.C. Standards post struct/mils/ pales of mix 11-52 (I cement: 1.5 coarse stand: 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or G.I. binding wherever required as per direction of fingineer-incharge toost of earth works in exeavation, concrete works in Total Total Unit Price Amount Interest and Interest Amount Interest shall be precised at the content of the part of the content of the part of the content of the part of the part of the content of the part of the

Sewege Pumping Station at Mallahi - Miscellaneouos works

	0.00		0.	FC Portio	n (Yen)	LC Portio	on (INR)	The Committee of the Co
Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
[Direct Cost]								
Civil/Building work>			•					
. Boundary Wall & Gate		pc	1		0		998,000.00	
. Internal road & Site development		рс	1		0		879,944.00	
3. Access Road		рс	1		0		392,472,00	
4. Staff Quarter		рс	1		0		4,590,738.00	
5. Protection work		рс	1		0		3,225,702,14	
ó. Bypass pipe		рс	1		0		154,359 10	
			-					
Sub-Total					0		10,241,215.24	:
200-10(a)					U		20,2 12,220,27	
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	NEW TOTAL OF THE PARTY OF THE P	0 10			PC Portio	n (Yen)	LC Porti	on (INR)	19.40
	liems	Specification	Unit	Oty	Unit Price	Amgunt	Unit Price	Amount	Reference
	<civil building="" work=""></civil>			SMINISTER		The John		Agaille Chaile	
· · · · · · · · · · · · · · · · · · ·	1. Boundary Wall & Gate								
*****************	Is boundary wall and gate installation								
	Construction of 1.8 m high boundary		-						-
	wall at proposed IPS with supply of materials, labour and T&P etc.		ny	140 0			6,650 00	931,000.00	
	Providing and fixing MS gates 3 6m wide & wicket 1.2 m wide as per		No	1			67,000 00	67,000 00	
	departmental type drawing.		_						
	Total					-		998,000 00	
~~									
	2. Internal road & Site development								
	Providing 3.6 m wide bitiminous road complete as per PWD Specification		m²	216			3,634	784,944 00	
	Levelling, dressing & plantation		m²	1,000			95 00	95,000 00	
	Total		_					879,944 00	
	1000								
	3. Access Road								
	Providing 3.6 m wide bituminous road complete as per PWD Specification		n;2	108			3,634 00	392,472,00	
	Total				-			392,472,00	
	4. Staff Quarter								
	Construction of Staff Quarter including								
	plaster, painting door, window, internal electrical fitting etc, with water supply		m	91.2			25,391,25	2,315,682,00	
	and sewerage facility complete 1)Earth work								
SR 2014 16.3.9	Earth filling		m'	4,800			320,90	1,540,320.00	
1.1.2	Carriage of Material by Mechanical Transport including loading, unloading	4 51	m'	4,800,00			153.07	734,736.00	
	and stacking with lead upto 5 KM	up to 5km							
	Total							4,590,738.00	
	5. Protection work 1) Concrete work								· · · · · · · · · · · · · · · · · · ·
	Cement concrete with 40 mm gauge	*****							
1017	approved stone ballast, coarse sand and cement in the proportion of 8:4:1 including supply of all materials. labour, T&P etc. required for proper		m²	6,00			6,364.94	38,189.64	
1025	R.C.C. work with cement, coarse sand and 20 mm gauge approved stone ballast in proportion of 1:1.5:3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials,		m²	187.50			12,715.80	2,384,212.50	
	form work Centering and shuttering including		-						
	sturtting, propping, etc. and removal of form work (Average rate for Foundation, Footings, Bases of								
OSR 2013 5 9.2	Columns, Walls, Coulmns, Beams, Wall		m²	2,000 00			401.65	803,300.00	
								0.006.5	
	Total							3,225,702.14	
	6. Bypass pipe (Storm water outfall)				-				
					1	T			

			21	ne in	FC Portio	n (Yen)	LC Porti	on (INR)	
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	Excavation up to following depths below G.L. for laying sewer line, manholes in ordinary soil (earth, sand, loam & clay) including cutting of joints								
	pits ramming dressing, leveling, refilling of trenches in 20cm layer watering and ramming the same including removal of surplus earth or other dismantled material up to a								
UPJN SOR 3001	Excavation	0.00m - 1.50m B.G.L	m3	36 00			184.79	6,652.44	
	2) pipe bedding								
	Pipe bedding (Dia. 800mm)		m	20 00			1,587,48	31,749.66	
	3) Pipe installation								
	Pipe material	NP3, Dia. 800mm	m	20 00			4,288 00	85,760.00	
	Pipe installation		m	20 00			1,509.85	30,197.00	
								154,359,10	
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Sewege Pumping Station at Mallahi - Hising Main

- /41		1	900	PC Portic	n (Yen)	LC Port	on (INR)	
Item#	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
[Direct Cost]			************					
Civil/Building work								
. Rising Main		pc	1		0		16,763,799.58	
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		+ +						
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Sub-Total					0		16,763,799,58	
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				MILES	FC Portic	on (Yen)	LC Porti	on (INR)	P. O
	ltems	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	<civil building="" work=""></civil>	NO WITH DESCRI	10E3/F	WALL THE	and the same	me to s			
	1.Rising Main								
	1) Dismantling/Reinstatement work								
	Dismantling of roads for laying of sewer including sorting out and								
	stacking of serviceable materials and								
	disposal of unserviceable materials upto								
LIDDLEOD 1266	a distance of 50m		m²	1,010 0			1,013.71	1,023,847.10	
UPJN SOR 1266	Cement Concrete Pavement Reinstatement of dismantled roads after		m	1,010 0	 	-	1,013.71	1,023,847,10	
PWD-4	filling and proper compaction as per P.W.D. specification		m²	1,010			2,228,00	2,250,280.00	
	2) Earth Work								
	Excavation up to following depths								
	below G.L. for laying sewer line, manholes in ordinary soil (earth, sand,								
	loam & clay) including cutting of joints								
	pits ramming dressing, leveling, refilling of trenches in 20cm layer								
	watering and ramming the same								
	including removal of surplus earth or								
Impleon cos	other dismantled material up to a Excavation		m³	1 404 63			184.79	813,931,58	
UPJN SOR 3001	Carriage of materials: By Mechanical	0.00m 1.50m B G.L.	m	4,404.63	 		104.77	013,731,36	
DSR-2014 1.1.2	Transport including loading, unloading		m ³	880.93			153,07	134,843.96	
DSR-2014 1.1.2	and stacking (Lead upto 5 Km away	up to 5 km	m	060.73			133,07	134,043,20	
	from the site) Backfilling	ир ю з кіп	-						
	Sand filling including supply of all								
1004	materials labour T&P etc required for proper completion of work.	0.00m - 1.50m B G.L.	m²	546.48			917 49	501,389.94	
	3) Pipe installation work	0.00M = 1.30M B G.E.							
		Dia 400mm	m	2,700	 	 	4,077.66	11,009,682.00	
	4) Valve installation work	Dia 400mm		-,			4-55-5		
		Dia 100mm	No.	6	<u> </u>		74,375.00	446,250.00	
		Dia 350mm	No.	3			74,375.00	223,125.00	
	5) Thrust block installation work	Dia 330iian			1		7		
		22,5 Degree Bend	No.	1			7,650 00	7,650.00	
		45 Degree Bend	No	2	 	1	12,400,00	24,800 00	
		90 Degree Bend	No.	10	1	-	32,800.00	328,000.00	
	Total		1		1			16,763,799 58	
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Sewege Pumping Station - Outfall structure at BaluaGhat, Salotri, Shakil and Ram Bugh Ghat drain

	0.00	Variable		FC Portio	n (Yen)	LC Porti	on (INR)			
Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference		
[Direct Cost]		_								
Civil/Building work>										
. Piling Works		pa	1		0		1,087,052.80			
2. RCC Works		рс	1		0		1,666,787.07			
3. Re-bar Work		рc	1		0		834,124/17			
. Form work		pc	1		0		177,410 23			
5. Foot rest installation		pe.	1		0		6,232			
. Manual Bar Screen		pe	1		0		150,000			
. Sluice Gate		pe	1		- 0		400,000			
3. Installation & Commissioning		pe	1		0		200,000			
Sub-Total					0		4,521,606.27			
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	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	<civil building="" work=""></civil>		** #18	-	50 314 1 347		TO WHAT		
	1. Piling Works								
DSR 2014 20.3.1	Pile installation	Dia 300mm	m	512			2,123.15	1,087,052 80	
	2. RCC Works								
	3) Concrete work								
	R.C.C. work with cement, coarse sand and 20 mm gauge approved stone ballast in proportion of 1:1.5.3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials,								
UPJN SOR 1025 i.	Pile Cap		m³	87_12			12,715,80	1,107,800 50	
UPJN SOR 1025 i.	Column		m³	8.04			12,715.80	102,235 03	
UPJN SOR 1025,i,	Beam		m ³	2.70			12,715.80	34,332 66	
UPJN SOR 1025 i	Bracess		m ³	1_80	<u> </u>		12,715.80	22,888 44	
UPJN SOR 1025.i.	Slab		m ³	7.29			12,715.80	92,698 18	
UPJN SOR 1025.i.	Slab (Ram Bagh Drain)		m m³	4.32		 	12,715.80	54,932 26	
	<u> </u>			1000					
UPJN SOR 1025 i.	Floor Slab (Ram Bagh Drain)		m ³	0.97	-		12,715,80	12,334 33	
UPJN SOR 1025,i.	Wall		m ³	12,60			12,715.80	160,219.08	
UPJN SOR 1025,i.	Wall (Ram Bagh Drain)		m³	5.55			12,715.80	70,572.69	
UPJN SOR 1025 i.	Weir		m ³	0.34			12,715.80	4,323.37	
UPJN SOR 1025 i.	Weir (Ram Bagh Drain)		m ³	0.35			12,715.80	4,450.53	
	Total							1,666,787.07	
	 		11		1				
UPJN SOR	included in over all rates) wrought to the required shape as necessary including bending for the completion of work and including supply of all materials, labours, T&P etc. complete								
	Piles								
1151	Longitudinal bars 6 Nos. 10 Ø		kg	1,893 04			70.96	134,330.12	
1151	Stirrups 8 Ø - 200 C/C		kg	979 33			70.96	69,493.26	
	Pile Caps								
1151	Longitudinal Bars 16 Ø - 200 C/C at To	p & Bottom	kg	3 647 26			70.96	258,809.57	
1151	Distribution Bars 16 Ø - 200 C/C at Top	& Bottom	kg	3 647 26			70.96	258,809.57	
	Columns								
1151	Longitudinal bars 6 Nos 12 Ø		kg	340.75			70.96	24,179 62	
1151	Stirrups 8 Ø - 180 C/C		kg	185 10			70 96	13,134.70	
	Beam/Bracing								
1151	Longitudinal bars 3Nos. at bottom & 2N	los: at Top 12 Ø	kg	92.29			70.96	6,548.90	*************************************
1151	Stirrups 8 Ø - 180 C/C		kg	66.26			70.96	4,701.81	-
1151	Longitudinal bars 2Nos. at bottom & 2N	los, at Top 12 Ø	kg	73.83			70.96	5,238.98	
1151	Stirrups 8 Ø - 180 C/C	·	kg	52.06	1		70.96	3,694.18	·
	Slab		1		<u> </u>				
1151	Longitudinal Bars 10 Ø - 200 C/C		kg	48.07			70.96	3,411.05	
1151	Distribution Bars 10 Ø - 200 C/C		kg	48 07	<u> </u>	 	70.96	3,411.05	
	Slab (Ram Bagh Drain)		1-0		1	†		1	-
1151	Longitudinal Bars 10 O - 200 C/C		kg	28 65			70.96	2,033 00	
1151	Distribution Bars 10 Ø - 200 C/C		kg	24 03			70.96	1,705.17	
1131	Wall		7.5	24 03		 	70 70	1,700=17	
1151	Longitudinal Bars 10 Ø - 200 C/C		lea-	244.03	 	 	70.96	17,316.37	
1151			kg t-a	149.08		-	70.96	10,578.72	
1151	Distribution Bars 8 Ø - 200 C/C		kg	149.08		 	10.90	10,378 72	
1161	Wall (Ram Bagh Drain)		+	01.00		 	70.00	777110	
1151	Longitudinal Bars 10 Ø - 200 CIC		kg	94 90			70.96	6,734.10	
1151	Distribution Bars 8 O - 200 C/C		kg	59 63		 	70.96	4,231.34	
	Weir						ļ	-	
1151	Longitudinal Bars 10 Ø - 200 C/C		kg	22,18	1		70.96	1,573 89	

		Jan Jan Jan La			FC Portio	n (Yen)	LC Port	on (INR)	Reference
	Items	Specification	Unit	Qıy	Unit Price	Amount	Unit Price	Amount	Reference
1151	Distribution Bars 10 O - 200 C/C		kg	22.18			70,96	1,573.89	
	Weir (Ram Bagh Drain)								
1151	Longitudinal Bars 10 Ø - 200 C/C		kg	15 59			70 96	1,106,27	
1151	Distribution Bars 10 O - 200 C/C		kg	21 26			70 96	1,508 61	
	Total							834,124.17	
	4. Form work								ninganja wasan wasan manan
DSR 2013	Centering and shuttering including strutting, propring, etc. and removal of form work (Average rate for Foundation, Feotings, Bases of Columns, Walts, Columns, Beams,								
5.9.1	Pile Cap		m³	26 40	- 		196,45	5,186,28	
5.9.6	Column		m ³	80,42	-		453,35	36,458,41	-
5.9.5	Beam-I		m ²	18,00	-		332.15	5,978.70	
5,9,5	Beam-2		m ²	6,00	-		332.15	1,992,90	
5.9.5			m²	12,00	-		332 15	3,985 80	
5.9.5	Bracing-1 Bracing-2		m ²	6,00			332.15	1,992 90	<u>,</u>
5.9.4	Slab-1		m²	14.58	-		401.65	5,856.06	-
	Slab-2		m ²	6.48			401 65	2,602,69	
5.9.4	Wall-1		m ²	68,04	-		360.80	24,548.83	
			m ²		-		360.80	20,911,97	
5.9.2	Wall-2			57.96			360.80	10,001,38	
5.9.2	Wall (Ram Bagh Drain)		m ²	27.72					
5.9.2			m	1932	-		360 80	6,970.66	
5,9.2	Miscellaneous RCC, MS, Shuttering		m²	2.56			360 80	923,65	
	Works for Ram Bagh Interception		Ls	1			50,000 00	50,000 00	
	Total							177,410.23	
	5. Foot rest installation								
	foot rest		No	20.00			311.60	6,232.00	
		150							
	6. Manual Bar Screen		-						
	Bar Screen Installation		No.	3			50,000.00	150,000.00	
	7. Sluice Gate				-	-			
	Gate Installation		No.	4			100,000,00	400,000.00	
			-		<u> </u>	1	, -,		
	8. Installation & Commissioning		+		+				
	Installation & Commissioning work		I.s	4			50,000.00	200,000.00	
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Laying of Sewer for Diversion of Balua Ghat, Salotri & Shakti Ghat drain

	g	lys.	Otto	FC Portio	n (Yen)	LC Porti	on (INR)	n. f	
Items	Specification	Unit	Qty.	Unit Price	Amount	Unit Price	Amount	Reference	
[Direct Cost]									
Civil/Building work>		ļ							
l. Earth work		pc	1		0		1,368,790.83		
2. Barricading works		р¢	1		0	,	67,482.00		
3. Shifting of utilities/site clearance		pc	1		0		120,840.00		
4. Shuttering work		pc	1		0		1,387,363.88		
5. Bedding		рс	1		0		438,449		
6. Manhole installation work		pc	1		0		2,015,460		
7. Pipe Installation Work		pc	1		0		896,518		
		1							
Sub-Total				1	0		6,294,903.81		
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ltems		Specification	Unit	Qty	I/C Portio	n (1 Cn)	LU Potti	on (INR)	Reference
1101110		Specification	Contra	419	Unit Price	Amount	Unit Price	Amount	Reference
<civil building="" td="" w<=""><td>ork></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Market Tolk</td><td></td></civil>	ork>							Market Tolk	
1. Earth work									
Excavation		0,00m - 1,50m B.G.L.	m³	1,880,25			184.79	347,451.40	
		1,51m = 3,00m B.G.L.	131	1,538.25			231.98	356,843.23	
		3.01m - 4.50m B.G.L.	m³	1,196,25			291,27	348,431.74	
		4.51 m = 6.00m B.G.L.	m ³	759 92			340.09	258,441.85	
		6 01 m 7 50m B.G.L.	m³	33.57			443,48	14,887,00	
trasportation of exces	sive soil	up to 5 km	m	279.19			153,07	42,735 61	
	Total							1,368,790,83	
2. Barricading work	3								
Barricade installation		H=2m	m	40 00			1,467 00	58,680 00	
Foundation and pole			m	20,00			440 10	8,802,00	
Total database land pole	THE REAL PROPERTY OF THE PERTY		THE .	20,00	-				
	ien .	-	-					47 192 00	
	Total				-			67,482,00	
3. Shifting of utilitie	s/site clearanc				1				
shifting utilities			m	380,00			300 00	114,000.00	
site elemance			m	380 00			18 00	6,840,00	
	Total							120,840.00	

4. Shuttering work					-				
Shuttering work		0 0m - 3 00m B G I	m²	1_140_00	+		388 56	442,958 40	
Shartering work			m ²	1,066 26	-		817 43	871,592 91	
		3 01m - 6 00m B G L 6 01m - 9 00m B G L	m ²	28.67			939 71	26,941.49	
Centering and shutter	ing including	O VIM - 9 OUM B CIL	111	20.07	+		22271	20,541.45	
strutting propping etc			m²	233 50			196 45	45,871,08	
of form for Bedding,			111	20000			170 15	15,071,00	
footings, bases of col	inns etc								
					 			1 707 27 2 00	
	Total							1,387,363.88	
5. Bedding									
PCC Bedding for Dia	400mm	4.5m 6 0m B G.L	m	30 00			992.03	29,760.90	
PCC Bedding for Dia		4 5m 6 0m B G L	m	120.00			1,216.36	145,963.20	
PCC Bedding for Dia		4 5m 6 0m B G l	m	30.00	<u> </u>	i - i	1,708.26	51,247.80	
RCC Bedding for Dia	-		m	80,00	-		908.10	72,648.00	
		4.5m - 6.0m B.G.L			-				
RCC Bedding for Dia	400mm	4.5m - 6.0m B.G.L	m	120.00	-		1,156,91	138,829.20	
					-			470 440 10	
	Total				-			438,449.10	
									
6. Manhole installat	on work	Trans D 1 5 1 5.			-				
Manhole installation		Type-B 1.5m x 1.5m depth 4.5-6.0m	pc	7			171,210.00	1,198,470.00	
Ma-1-1-1-1-1		Type-C 6.0m x 7.5m		2	1		272 226 00	816 000 00	
Manhole installation		depth 3-4.5m	рс	3			272,330.00	816,990.00	
	Total							2,015,460.00	
7. Pipe Installation \	Vork								
RCC NP3 Class		Dia. 350mm	m	80.00			1,112.00	88,960.00	
RCC NP3 Class		Dia. 400mm	m	150.00			1,346.00	201,900.00	
RCC NP3 Class		Dia. 500mm	m	120.00			1,744.00	209,280.00	
RCC NP3 Class		Dia. 900mm	m	30.00			4,288.00	128,640.00	
Pipe installation, Dia.	900mm	4.5m - 6.0m B.G.L.	m	30.00	1		1,823.14	54,694.20	
Pipe installation, Dia.		4.5m = 6.0m B.G.L.	m	60.00			898.56	53,913.60	
Pipe installation, Dia.		4.5m - 6.0m B.G.L.	m	30.00			679.18	20,375.40	
Pipe installation, Dia.		6.0m = 7.5m B.G.L	m	120.00	 		739,93	88,791.60	
Pipe installation, Dia				80.00	-		624.54	49,963.20	
ripe instantanton, Dia.	200mm	3 0m - 4 5m B.G.L	m	60,00	 		PC.F40	45,303.20	
	TD-4 P		-					906 519 00	
	Total							896,518.00	

			de branche	FC Portio	on (Yen)	LC Portio	n (INR)	
Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
[Direct Cost]								
Civil/Building work>								
[Direct Cost]								
Other works								
Communication & Public Outreach		pc	1	 			1,000,000.00	
Environmental and Management Plan	(EMIP)	pc	I	<u> </u>			1,000,000	
Governance and Accountability Actio		pc	1			-	1,000,000	
	I FIAU (GAAT)	+					38,127,000	
Power Connection & Allied Works		рс	1					
Hiring of Godown and Site Office	L	pc	1				246,000	
Cost of sewer cleaning equipments, Flu	ushing Van	pc	1				800,000	
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Sub-Total				+			42,173,000	
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9. Chunar

Summary - Chunar I&D

		Their	04.	FC Port	ion (Yen)	LC Portion (INR)		Reference
Items	Specification	Unit	Qty	Unit	Amount	Unit	Amount	Kelerence
6.5 MLD STP Civil works	-	LS	1			-	69,000,360	
6.5 MLD STP Mechanical works		LS	1				39,831,000	· · · · · · · · · · · · · · · · · · ·
6.5 MLD STP Electrical works		LS	1	<u> </u>			21,022,931	-
MPS Civil works		LS	1				46,945,401	
MPS Mechanical works		LS	1				6,721,800	
MPS Electrical works		LS	1				8,450,010	
IPS-1		LS	1				28,430,579	
Interceptor		LS	1				107,878,640	
Septic Tank		LS	1				403,433	
Cost of sewer cleaning equipments, Flus	hing Van	LS	1				2,000,000	
Hiring of Godown and Site Office		LS	1				2,000,000	
Communication & Public Outreach		LS	1				1,000,000	
Environmental and Management Plan (E	EMP)	LS	1				1,330,000	_
Governance and Accountibility Action F	Plan (GAAP	LS	1				2,510,000	
				<u> </u>				
Fotal							145,552,652	

INTERCEPTOR SEWER AND APPURTENANCE WORKS and INTERCEPTION STRUCTURE

Îterns	Specification	Unit	Qty	PC Portio	in (16h)	Lec Pills	ion (INR)	Reference
Iteins	Specification	Unii	Qly	Unit Price	Amount	Unit Price	Amount	Reference
[Direct Cost]								
5.5 STP								
Civil work							52,812,500	
Mechanical work							39,831,000 00	
Electrical work							21,022,931 00	
Other works		-					16,187,859.97	
MPS								
Civil work							30,413,371.72	
Mechanical work							6,721,800.00	
Electrical work							8,450,010.00	
Created Effluent Resur Line							16,532,029,20	
Sub-Total					0		191,971,501,89	
							4	
		-						
								
		-						
				-				
		-	-					
					1			

		0 15		0.	FC Portio	n (Yen)	LC Portion	on (INR)	D. C.
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
vil/Building work>					- 1				
	STP								
	Civil work Construction of STP		LS	1			52,812,500	52,812,500.00	
	Mechanical work		- ,,				222.000	0.00	
	INLET GATE	Equipment cost Installation cost	No No	2	+		230,000 4,600	460,000.00 9,200.00	
							2 000 000	2,000,000 00	
	FINE SCREEN (MECHANICAL)	Equipment cost Installation cost	No.	1			2,000,000 40,000	40,000 00	
-	FINE SCREEN (MANUAL)	Equipment cost Installation cost	No.	1			250,000 5,000	250,000.00 5,000.00	
	BELT CONVEYOR	Equipment cost Installation cost	No.	1	+		400,000 8,000	400,000.00 8,000.00	
	GRIT CHAMBER	Equipment cost Installation cost	No.	2 2		<u> </u>	1,100,000 22,000	2,200,000.00 44,000.00	
		Histanution Cost	1.0				22,000	. 1,000.00	
	INLET GATE	Equipment cost	No.	2			220,000	440,000.00	
		Installation cost	No.	2	ļ		4,400	8,800.00	
		P :	1				6 (00 000	11 000 000 00	
	DECANTORS	Equipment cost Installation cost	No.	2			5,600,000 112,000	11,200,000.00 224,000.00	
	DIFFUSER	Equipment cost	No.	2			1,900,000	3,800,000 00	
		Installation cost	No.	2			38,000	76,000.00	
	PLC SCADA	Equipment cost	No.	2			1,000,000	2,000,000,00	
		Installation cost	No.	2			20,000	40,000.00	
		n					550,000	1 (50 000 00	
	AIR BLOWER	Equipment cost	No.	3		ļ	550,000	1,650,000.00 33,000.00	
		Installation cost	No.		-		11,000	33,000.00	
	RAS PUMP	Equipment cost	No.	3			220,000	660,000.00	
	KAS FUMI	Installation cost	No.	3	1		4,400	13,200,00	
		nistariation cost	140				1,100	10,200,100	
	SAS Pump	Equipment cost	No.	3			230,000	690,000.00	
		Installation cost	No.	3		·	4,600	13,800.00	
-	HAND OPERATION CHAIN BLOC	Equipment cost	No	2			100,000	200,000.00	
		Installation cost	No.	2			2,000	4,000.00	
	CHLORINE DOSING PUMP	Equipment cost	No.	3			100,000	300,000 00	
		Installation cost	No.	3			2,000	6,000,00	
	MIXERS FOR CLORINE SOLUTION	Equipment cost	No.	2			150,000	300,000.00	
		Installation cost	No	2			3,000	6,000.00	
	DECHLORINE DOSING PUMP	Equipment cost	No.	3			100,000	300,000.00	
		Installation cost	No.	3		-	2,000	6,000 00	
	A STATED BOD DEGL OF THE	T					100,000	200,000.00	
	MIXER FOR DECLORINE	Equipment cost Installation cost	No.	2 2			2,000	4,000.00	
			1.00				-,	,	
	ELECTRIC HOIST FOR					<u> </u>	505.222	500.000.00	
	CHEMICALS	Equipment cost	No.	I		<u> </u>	500,000	500,000.00	
		Installation cost	No.	1			10,000	10,000.00	
	AIR BLOWER	Equipment cost	No.	2			140,000	280,000.00	
	FOR DECHLORINE MIXING TANK	Installation cost	No	2		+	2,800	5,600 00	
		Listanation Cost	110		-	+	2,550	2,500 00	
	SLUDGE THICKENER	Equipment cost	No.	1		+	1,100,000	1,100,000 00	
	DEODGE THERMAN	Installation cost	No.	1			22,000	22,000.00	
				<u> </u>		1	,	,	
	THICKENED SLUDGE PUMP	Equipment cost	No	2			220,000	440,000.00	
		Installation cost	No.	2			4,400	8,800.00	

Color Colo	1	E CONTRACTOR OF THE STATE OF TH	41			IC Portio	n (Yen)	LC Portion	on (INR)	n e
POCK CENTRIFYCH PRID PLINF Perspection Cord No. 2 2,000 5,000 C		lleme	Specification	Umt	Qly	Unit Price	Amount	Unit Price	Amount	Reference
NOS. CENTRURIGE PRED SUAP Disputation cost No. 2 2,000 5,0		A ID. D.I. OUZBR								
CINTERPLOI FULD PUID P Registered cert No. 2 2 2,000 5,0000			Bquipment cost	No	2			140,000	280,000.00	
CENTRIFICE Supplement cost No. 2 3,400,000 1,500,000			Installation cost	No	2			2,800	5,600,00	
CENTRIFICE Department cost No. 2 2,400,000 1,500,000 1										
CDTYNIPLOBS		CENTRIPUGE PEED PUMP	Equipment cost	No,	2			200,000	400,000.00	
MILLY CONVENTOR Designment con No 1			Installation cost	No.	2			4,000	8,000,00	
MILLY CONVENTOR Designment con No 1										
DRIFT CONVEYOR Depulyment cost No 1		CENTRIFUGE		-						
PRINCE FIGURE CRANN Beginpment cost No 1 8,000 8,000 1,000 10			Installation cost	No	2			68,000	136,000,00	
DESCRIPTION		BRUT CONVINOR	November 1 cost	No				400,000	400 000 (tt)	
BLRCTRIC FIGIST CRANB Baylinement cost No 1		BILL CONVERSE	·	-11		 				
Installation cost No			mauration cost	IND				8,000	8,000 (4)	
Installation cost No		PLECTRIC HOIST CRANE	Equanent cost	No	I	-		800.000	800 000 00	
POLYPERCTROLYTE DOSING Supagness cost No 2 150,000 500,000 60						-				
No. State				140				130,550	10(03730)	
Installation costs			Famment cost	No	7			150,000	300,000 00	
POLYELECTROLYTE DUSING Equipment cost No 2 105.000 CO.		SYSTEM				ļ				
Installation evest			Installation cost	No	2			3,000	6,000.00	
Installation cost		POLYELECTROLYTE DOSING	Equipment cort	No	<u>.</u>	ļ		100 000	200 000 00	
Total		TOTAL PRODUCTION AND ADDRESS OF THE PRODUCTION ADDRESS								
Total		C 12 % 10 10 4 17 12 17 19 10 4 % 14 17 17 17 17 17 17 17 17 17 17 17 17 17	17	- N.				250,000	500 000 no	
Total 39,831,000.00		CENTRATE TRANSPER PUMP				-				
Electrical work		T1	instanation cost	180				3,000		
Electrical Substation Discel Generator Net Equipment cost No 1 3,016,800 3,016,800,00		TOTAL		1					34,631,000,00	
Diesel Generator Set Equipment cost No 1 3.016.800 3.016.800 0		Electrical work				0				
Dissel, Radiator cooling, 300 kVA, 415V, 3-phase, Service tank with 1 m3. Installation cost		Electrical Substation							0,00	
A 15 V 3-phase, Service tank with 1 m3, Englished Elevier with 85 dB, Bolk Bol		Diesel Generator Set	Equipment cost	No	-1			3,016,800	3,016,800.00	
Transformer Secondary Panel Equipment cost No. 1 23,900 23,900.00		415V, 3-phase, Service tank with 1 m3,	Installation cost	No	I			301,700	301,700,00	
Transformer Secondary Panel Equipment cost No. 1 23,900 23,900.00		LV Incoming Panel at Substation	<u></u>		81					
AP 630 x1		Transformer Secondary Panel	liquipment cost	No.	1			238,051	238,051.00	
Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Grit Chamber Equipment cost No			Installation cost	No.	1			23,900	23,900.00	
Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Grit Chamber Equipment cost No										
MCCB 4P 100A x 7 Static capacitor 10kVar x 1, 20 kVar x 1, 40 kVar x 1.			Equipment cost	No	1			754,600	754,600.00	
600 V. IP52, power supply 8.25kWx1, rev. DOL 3.7kW x 3 DOL 7.5 k W x13, rev. DOL 3.7kW x 3 D		MCCB 4P 100A x 7 Static capacitor	Installation cost	No	1			75,500	75,500.00	
600 V. IP52, power supply 8.25kWx1, rev. DOL 3 7kW x 3 DOL 7.5 k W x13, Installation cost Local Operation Panel for Fine screen Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Belt conveyer Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Belt conveyer Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Grit Chamber Local Operation Panel for Grit Chamber Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Grit Chamber Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Installation cost No. 1										
rev. DOL 3 7kW x 3 DOL 7.5 k W x13, Installation cost No. 1 37,900 37,900.00 Local Operation Panel for Fine screen Equipment cost No. 1 72,000 72,000.00 Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Belt conveyer Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Grit Chamber Local Operation Panel for Grit Chamber Equipment cost No. 2 72,000 144,000.00 Stand type, 1 load, Change-over switch x1, outdoor Local Operation Panel for Grit Chamber Equipment cost No. 2 72,000 144,000.00 Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor			Equipment cost	No.	1			378,500	378,500.00	
Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Belt conveyer Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Grit Chamber Local Operation Panel for Grit Chamber Stand type, 1 load, Change-over switch x1, outdoor Local Operation Panel for Grit Chamber Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Installation cost No. 1 7,200 7,200.00 7,200.00 144,000.00			Installation cost	No.	1			37,900	37,900.00	
Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Belt conveyer Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Grit Chamber Local Operation Panel for Grit Chamber Local Operation Panel for Grit Chamber Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Grit Chamber Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Installation cost No. 1 7,200 7,200.00 144,000.00				1						
x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Belt conveyer Stand type, 1 load, Change-over switch x1, Outdoor Local Operation Panel for Grit Chamber Stand type, 1 load, Change-over switch x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Grit Chamber Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Installation cost No. 1 7,200 7,200,00 7,200,00 144,000,00 144,000,00			Equipment cost	No.	Ī			72,000	72,000.00	
conveyer Stand type, 1 load, Change-over switch x1, On/Off switch x2 glarm lights x2, alarm lights x2, alarm lights x2, alarm lights x2, emergency stop button x1, outdoor Local Operation Panel for Grit Chamber Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x2, emergency stop button x1, outdoor Local Operation Panel for Grit Equipment cost No. 2 72,000 144,000.00		x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button	Installation cost	No.	1			7,200	7,200,00	
Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button x1, outdoor Local Operation Panel for Grit Chamber Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button Installation cost No. 2 7,200 144,000.00 144,000.00 Installation cost No. 2 7,200 14,400.00			Equipment cost	No	1			72,000	72,000.00	
Chamber Equipment cost No. 2 72,000 1444,000.00 Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button Installation cost No. 2 7,200 14,400.00		Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button	Installation cost	No	1			7,200	7,200.00	
Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button			Equipment cost	No.	2			72,000	144,000.00	
		Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button	Installation cost	No	2			7,200	14,400.00	
Inlet Flow Meter Equipment cost No. 1 162,500 162,500.00				\Box						

	Te.	Specification	Unit	Qty	FC Portio	n (Yen)	LC Portion	on (INK)	Reference
	Items	Specification	Unii	Qiy	Unit Price	Amount	Unit Price	Amount	Kelejence
	Ultrasonic type level transmitter with level-flow converter Partial flume	Installation cost	No.	1			16,300	16,300 00	
	 Level Meter at Pre-fine screen	Equipment cost	No.	2			105,000	210,000.00	
+	 Ultrtrasonic type, range: 0-10m,		+						-
_	 accuracy: less than +-0,5%FS	Installation cost	No.	2			10,500	21,000.00	
	 Level Meter at Post-fine screen	Equipment cost	No.	2			105,000	210,000.00	
	Ultrtrasonic type, range: 0-10m, accuracy: less than +-0.5%FS	Installation cost	No.	2			10,500	21,000.00	
	accuracy, 1033 than 1-0.37013								
	 Cables and others	Equipment cost	No	1			503,400	503,400.00	
		Installation cost	No.	1			50,400	50,400,00	
								0,00	
_	 SBR Process	F					408,000	0,00	
+	 Air Blower Starter Panel 600 V, IP52, VFD 55kW	Equipment cost Installation cost	No No	3			40,800	1,224,000,00	
1									
4	SBR MCC 600 V, IP52, Star-delta 30kWx6, DOL	Equipment cost	No.	1		-	581,800	581,800.00	
	7.5 kWx6, DOL 5.5 kWx13, Power supply 11 kW x2,	Installation cost	No.	1			58,200	58,200.00	
\Box			27				67.500	405 000 00	
+	 Local Operation Panel for Air Blower Stand type, 1 load, Change-over switch	Equipment cost	No	6	+		67,500	405,000.00	
	x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button	Installation cost	No	6			6,800	40,800.00	
	Local Operation Panel for RAS Pump	Equipment cost	No	2			82,500	165,000.00	
	Stand type, 2 loads, Change-over switch x2, On/Off switch x2 Status lights x4, alarm lights x 4, emergency	Installation cost	No	2			8,300	16,600,00	
+	 inglits X+, maint rights X+, emergency								
+	 Local Operation Panel for SAS Pump	Equipment cost	No.	2	 	 	82,500	165,000 00	
+	 Stand type, 2 loads, Change-over switch x2, On/Off switch x3 Status	Installation cost	No	2				16,600.00	
+	 lights x4, alarm lights x 4, emergency						8,300		
_	 Local Operation Panel for Chlorine dosing Pump Stand type, 2 loads, Change-over	Equipment cost	No.	1			82,500	82,500.00	
_	 switch x2, On/Off switch x2 Status lights x4, alarm lights x 4, emergency	Installation cost	No.	1			8,300	8,300.00	
\dagger	Local Operation Panel for mixer for chlorine solution	Equipment cost	No	1			82,500	82,500.00	
\top	 Stand type, 2 loads, Change-over switch x2, On/Off switch x3 Status	Installation cost	No.	1				8,300,00	
+	lights x4, alarm lights x 4, emergency						8,300		
	Local Operation Panel for De-chlorine dosing Pump	Equipment cost	No	1			82,500	82,500.00	
	Stand type, 2 loads, Change-over switch x2, On/Off switch x2 Status lights x4, alarm lights x 4, emergency	Installation cost	No.	1			8,300	8,300.00	
T									
	Local Operation Panel for mixer for de- chlorine solution	Equipment cost	No	1			82,500	82,500,00	
	 Stand type, 2 loads, Change-over switch x2, On/Off switch x3 Status	Installation cost	No.	1				8,300.00	······································
_	 lights x4, alarm lights x 4, emergency ston button x?		- 120				8,300		
	 Local Operation Panel for air blower for de-chlorine tank	Equipment cost	No	1			82,500	82,500 00	
	Stand type, 2 loads, Change-over switch x2, On/Off switch x3 Status lights x4, alarm lights x 4, emergency stop button x2	Installation cost	No.	1			8,300	8,300 00	
	 DO Analyser	Equipment cost	No.	4			319,670	1,278,680.00	
	 On-line, LDO type, range: 0-1 mg/l,	v . 11 3						100,000,00	
	accuracy: less than +-0.5%FS	Installation cost	No.	4			32,000	128,000.00	

	Items	Specification	Unit	Qty	FC Portio	(((()	LC Portio	(,,,,,	Reference
		Oparticular.	0	4.7)	Unit Price	Amount	Unit Price	Amount	
	MILSS Analyser On-line, transmitted light detective	Equipment cost	No	1			335,000	335,000,00	
	iune.	Installation cost	No.	- 1			33,500	33,500 00	
		-7	-		-		444 748	1.210.000.00	
-	RAS Flow Meter Electromagnetic type, 300mm dia.,	Equipment cost	No	4			302,700	1,210,800.00	
	accuracy less than 1-0 5% of rate	Installation cost	No	4			30,360	121,200 00	
	ranue 0-10 m/sec						zojane.		
	Cables and others	Equipment cost	No.	1			713,100	713,100.00	
		Installation cost	No	1	-		71,400	71,400 00	
								0.00	
	Solid Process							0,00	
	Thickener MCC	Equipment cost	No	-1			350,000	350,000,00	
	600 V, IPS2, DOL 5 SkW x 6, PF 100		1,1				15 000	25 000 00	
	AF x 2	Installation cost	No	4			35,000	35,000.00	
<u> </u>	D	P	No	1			600,000	600,000,000	
	Dewatering unit MCC 600 V, IP52, DOL 5.5 k W x 21, DOL	Equipment cost	140	-			100,000	000,000,000	
	7.5kW x 4, DOL 2.2k W x4, Power supply 22.0 kW x3	Installation cost	No	1			60,000	60,000,00	
	SAS Flow Meter	Equipment cost	No	1			219,900	219,900,00	
	Electromagnetic type, 200mm dia accuracy less than 4-0.5% of rate	Installation cost	No	1			22,000	22,000.00	
	range_0-10 m/sec								
	Thickenel) sludge feed flow		-						
	(Centrifuge feed flow)	Equipment cost	No.	2			219,900	439,800.00	
	Electromagnetic type, 200mm dia accuracy less than ±-0.5% of rate	Installation cost	No	2			22,000	44,000.00	
1	range, 0-10 m/sec	Instantation cost	150	-				44,000.00	
	Local Operation Panel for Sludge Thickener	Equipment cost	No	1			68,900	68,900.00	
	Stand type, I load. Change-over switch		1			l			
	x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button	Installation cost	No.	1	•		6,900	6,900.00	
	x1, Explosion proof								
	Local Operation Panel for thickened sludge pump	Equipment cost	No.	1	1	}	82,500	82,500.00	
	Stand type, 2 loads, Change-over	Y . 11	1,,					0.200.00	
	switch x2, On/Off switch x2 Status lights x4, alarm lights x 4, emergency	Installation cost	No.	1	ŀ		8,300	8,300.00	
	Local Operation Panel for air blower centrifuge feed sump	Equipment cost	No.	ł			82,500	82,500.00	
	Stand type, 2 loads, Change-over				1				
	switch x2, On/Off switch x2 Status lights x4, alarm lights x 4, emergency	Installation cost	No.	1			8,300	8,300.00	
		-							
	Local Operation Panel for Centrifuge	Equipment cost	No.	1			82,500	82,500.00	
	Feed Pumps Stand type, 2 loads, Change-over				+		- '		
	switch x2, On/Off switch x2 Status	Installation cost	No.	1			8,300	8,300.00	
	lights x4, alarm lights x 4, emergency		+						18.8. 1
	Local Operation Panel for Belt		1		-				
	Conveyer	Equipment cost	No.	1			68,900	68,900.00	
	Stand type, 1 load, Change-over switch								
	x1, On/Off switch x1 Status lights x2, alarm lights x 2, emergency stop button	Installation cost	No.	1			6,900	6,900.00	
	x1, Explosion proof		4						
	Local Operation Panel for		9	· · · · · · · · · · · · · · · · · · ·	-				
	Polyelectrolyte Dosing System	Equipment cost	No.	2			68,900	137,800.00	
	Stand type, 1 load, Change-over switch x1, On/Off switch x1 Status lights x2,								
	alarm lights x 2, emergency stop button	Installation cost	No.	2			6,900	13,800.00	
	x1, Explosion proof		+ +		ļ				
	Local Operation Panel for	Equipment cost	No.	1			82,500	82,500.00	
 	Polyelectrolyte Dosing Pump Stand type, 2 loads, Change-over		1.10.				52,500	52,500.00	
	switch x2, On/Off switch x2 Status	Installation cost	No.	1			8,300	8,300.00	
1	lights x4, alarm lights x 4, emergency								

		FS ESSITING VALUE				FC Portio	n (Yen)	LC Porti	on (INR)	
		Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
		Local Operation Panel for Centrate Transfer Pump	Equipment cost	No.	1			82,500	82,500.00	
		Stand type, 2 loads, Change-over switch x2, On/Off switch x2 Status lights x4, alarm lights x 4, emergency	Installation cost	No.	1			8,300	8,300.00	
		Level Meter in Thickened Sludge Feed Sump	Equipment cost	No.	2			105,000	210,000.00	
		Ultrtrasonic type, range: 0-10m, accuracy: less than +-0.5%FS	Installation cost	No	2			10,500	21,000.00	
			Equipment cost	No	2			105,000	210,000.00	
		Ultrtrasonic type, range: 0-10m, accuracy: less than +-0.5%FS	Installation cost	No.	2			10,500	21,000.00	
		Polymer Dosing Flow Meter	Equipment cost	No	2			118,500	237,000.00	
		Electromagnetic type, 100mm dia., accuracy: less than +-0.5% of rate range: 0-10 m/sec	Installation cost	No	2			11,900	23,800.00	
		Cables and others	Equipment cost	No	1			449,500	449,500.00	
			Installation cost	No	1			45,000	45,000.00	
						-				
		SCADA System Components PLC Panel for solid process	Equipment cost	No	1			950,000	950,000.00	
		Redundant hot standby configuration, LCD 14" touch panel IP 62, AI: 20, AO, 15, DI: 90, DO:50, Pulse input:-	Installation cost	No	1			19,000	19,000.00	
	LTV	Operator Station	Equipment cost	No.	1			1,500,000	1,500,000 00	
		OS: Lates windows, Main memory: 64 GB, HDD, 1 TB Monitor: dual LCD 32", CPU: Intel iCore 7, required	Installation cost	No.	1			30,000	30,000 00	
-		UPS	Equipment cost	No	1	+		750,000	750,000,00	
		IP52, Inverter 10kVA, Battery 100AH Lead sealed type, Industrial use,	Installation cost	No	ī			75,000	75,000.00	
									5,0	
		MANAGED Ethernet switches,	Equipment cost	No No	1		ļ .	85,000 1,700	85,000.00 1,700.00	
			Installation cost	NO,	1			1,700	1,700,00	
		Priner - I	Equipment cost	No.	1			130,000	130,000 00	
		Multifunction clor printer with printing, photocpying, scaaning etc.,	Installation cost	No	1			2,600	2,600,00	
		Priner -2	Equipment cost	No	i			50,000	50,000 00	
		Laserjet printer with A3 size	Installation cost	No	1			1,000	1,000,00	
		Hardware based Firewall	Equipment cost Installation cost	No.	1 1		ļ	200,000 4,000	200,000.00 4,000.00	
		Total							21,022,931 00	
		Other works					ļ			
		INTERNAL DEVELOPEMNT OF T	HE ROADS						2 101 5555	
		Construction of Bitumen Road Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the		m2 m2	1,250			1,921	2,401,339.29 83,617.50	
		Landscaping and Protection Works								
		Grassing with selection No. 1 grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed (the							0.00	
		good earth shall be paid for separately). In rows 5 cm apart in both directions		m2	600			841	504,750.00	

PWD		Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
13, PWD									1 1111111111	
13, PWD		The state of the s							6.60	
13, PWD		Providing and fixing Cautionary / warning sign boards of equilateral			10				45 242 55	
13, PWD		triangular shape having each side of		Ench	10			3,532	35,323.50	
13, PWD		900 mm with support length of 3650		+-+		+				
13, PWD		1) ADMINISTRATIVE BUILDINGS	,							
PWD		RCC PRAMPID STRUCTURE								
	Item1.0(b), pg.3	(Normal Buildings) (Specifications as per Annexure -V)								
	Item1,1(b), pg.3	RCC framed structure upto six storeys		m2	409			19,000	7,771,000,00	
	Item 1, 1, 1(b), pg. 3	Ploor ht. 3.35 mtr (office)		m2				270	0.00	
	Te	Every 0.3 nit additional height of floor			*00			1.750	662.160.00	
	Item1,2.3, pg.3	above normal floor height of 3,35 mt./		m2	409		1	1,350	552,150 00	
	from above	Considering average height increase of		m2	409			1,140	466,260.00	
		1.5 m								
	Item1.2.8, pg.3	Resisting Earthquake forces				-			0.00	
		Miscellaneous & Contingencies (site clearing	, filling, roads, etc.)		10%			8,789,410	878,941 00	
\Box										
AR20		2) STAFF QUARTERS				-				
	2., page 5	Load Bearing Construction								
1	2.2.2.	Double Storeyed Type LH,III & Servant	***	m?	137			11,300	1,545,840.00	
		Otrs Extra for resisting earthquake forces				+				
	2.6.2.	buildings of two storeys or more in Zone III or IV		m2	137			520	71,136,00	
	2.9.1.	Fire Fighting-with wet riser system	7.55	m2	68			500	34,200,00	
									0,00	
	3.1.	Internal water supply & sanitary		LS	12 0%			1,651,176	198,141,12	
	3.2.	installations External service connections		1.8	5.0%	-			82,558.80	
	3.3.			LS	12.5%			1,651,176	206,397,00	
-	3.6.7.	Internal electric installations		LS	1,0%			1,651,176	16,511.76	
	5.1.	Quality assurance Overhead tank without independent		litres	2,000	-		15	30,000.00	
	6.3.	Sewer		m2	274			110	30,096.00	

		3) BOUNDARY WALL								
		Construction of Boundary Wall in	· · · · · · · · · · · · · · · · · · ·	Rm	300			3,949	1,184,700.00	
		Brick Masonary		Kin	500		-	2,949	1,184,700.00	
		Providing and fixing of M.S. Gate & Wicket Gate at STP		No.	I			69,898	69,898.00	
									16 107 050 07	
		Total				-		-	16,187,859.97	
		NOTE:				 				
		MPS Civil work			-					
- $+$		Excavation for depth as given below in								
		ordinary soil (loam, clay and sand) for								
		foundation including lift upto 1.5 M								
		and lead upto 50 M watering, filling							0.00	
		and ramming the excavated earth into							0.00	
		surplus earth upto distance of 50 M								
		from the foundation trenches.								
	UPJN_SOR_2014-	0 0 - 1.50 M	· · · · · · · · · · · · · · · · · · ·	m3	111			185	20,506.85	
	15_3001 UPJN_SOR_2014-	1 50 - 3 00 M		m3	111			232	25,743.70	
	15_3002	. 50 - 5,000 174		1113	111	ļ		مار ل ما	0.00	
		Sinking of well true to vertical, through							0.00	
		all types of soil and rock, as shown								
		against each case, (other than								
		pneumatic method of sinking) complete as per drawing and technical							0.00	
		specifications including all material,							0.00	
		labour, machinery, lighting, guarding								
		and maintenance of diversion complete								
	RUDIP_SOR_2013_1	as per clause 1200 of MoRT&H 3,00 - 10.00 m		М				15,720	0,00	

	Items	Specification	Unit	Qty	FC Portio			on (INR)	Referen
					Unit Price	Amount	Unit Price	Amount	
RUDIP_SOR_2013_1 3_13_2_3+	10.00-11.00 m		М				18,864	0,00	
RUDIP_SOR_2013_1	11.00-12.00 m		М				22,637	0.00	
3_13.2.4 RUDIP_SOR_2013_1			М				27,164	0,00	
3,13,2,5	12.00-13.00 III		IVI		-		£1,104	0.00	
	PCC work in 1:2:4 (M-15) cement coarse sand and 20 mm gauge approved stone ballast including supply of all							0.00	
UPJN SOR 2014-	materials, labour, T&P etc. required for proper completion of work.						0.667	505 400 00	
15_1015 UPJN_SOR_2014-	(I) Concrete plug at bottom.	· · · · · · · · · · · · · · · · · · ·	m3	59			8,557	505,499,86	<u>.</u>
DPJN_SOR_2014- 15_1015	(II) Concrete curb at the bottom		m3	13			8,557	111,001.29	
	PGC 1.4.9 :		-					0.00	
UPJN_SOR_2014- 15_1017	PCC 1:4:8 in cement, Coarse sand and 40mm stone ballast below concrete plugging		m3	20			6,365	124,345 84	
	G 1 11 5 P.O.C. 111/22		1-					0.00	
	Supply and laying R.C.C. 1:11/2:3 in cement and coarse sand and 10-20 mm gauge stone ballast, including labour T&P etc excluding supply of reinforcement and including fixing and binding required for proper completion of work and supply necessary centering							0.00	
UPJN_SOR_2014- 15 1025	0.00 -1.50 M 0.785x(D1^2-D2^)x1 50		m3	22			12,716	283,820.40	
JPJN_SOR_2014-	1.50 -3.00 M		m3	22			13,097	292,335.01	
15_1025 UPJN_SOR_2014-	3.00 -4.50 M		m3	22			13,606	303,687.83	
15_1025 UPJN SOR 2014-	**				1			317,878.85	
15 1025 UPJN SOR 2014-	4.50 -6 00 M		m3	22			14,242		
15 1025	6,00 -7 50 M		m3	22			15,259	340,584.48	
UPJN_SOR_2014- 15 1025	7,50 -9,00 M		m3	15			16,531	245,977.68	
UPJN_SOR_2014- 15 1025	9.00-10.50 M		m3	0			17,802	0.00	
UPJN SOR 2014-	10 50-12 0 M	······································	m3	0			19,074	0.00	
15_1025								0.00	
								0.00	
	Same as Item No 5 but for the following							0.00	
UPJN_SOR_2014- 15_1019	Floor for Pump House		m3	40			10,013	405,170.64	
UPJN SOR 2014- 15 1019	Roof Slab		m3	40			10,013	405,170 64	
UPJN_SOR_2014-	Ring Beam		m3	31			10,013	312,990 48	
15_1019 UPJN_SOR_2014-	Beams at floor		m3	33	 		10,013	330,436,59	
15_1019 UPJN_SOR_2014-						ļ			
15_1019 UPJN_SOR_2014-	Lintal Door 2 nos.		m3	2		<u> </u>	10,013	20,026,46	
15 1019	Lintal windows 4 nos		m3	6			10,013	60,079,38	
UPJN_SOR_2014- 15_1019	Ventilators 2 nos.		m3	2			10,013	15,019.85	
UPJN_SOR_2014- 15_1019	Sunshade							0.00	
	(a) Door		m3					0,00	
	(b) Windows		m3					0.00	
	Gantry Beam		m3					0.00	
UPJN_SOR_2014-	Stairs		m3				10.012	0.00	
15_1019	Sub total		m3		_		10,013	0.00	····
UPJN_SOR_2014-	Same as item No. 5 but in 1: 1½:3 for		+		-			0.00	
15_1025	Raft		m3	36		<u> </u>	12,716	452,549.29	
	(ii) Well Curb 3.14x9.3x0.5x0.30x1.00		M4					0,00	
UPJN SOR 2014-	0.785x9.30x9 30x0.30		M5			-		0,00	
15_109.1			M6			ļ		0 00	
	Screen Platform Pumping and bailing out of sub-soil		m3	8			12,716	95,826.27	
	water including supply of all labour,		LS	1			60,000	60,000.00	

	Items	Specification	Unit	Qty	PC Portion (Y	en)	LC Portio	on (INIC)	Reference
	100013	Specification	Unit	QI)	Unit Price Am	iount	Unit Price	Amount	Kererence
UPJN_SOR_2014- 15_1027+1035	First Class brick work in 1,6 cement and local sand mortor in superstructure including supply of all material, labour,		m3	67			5,454	363,496 18	
	T&P etc. for proper completion of				-			0.00	
	Mild steel of iron work in plain work such as in R.C.C. and R.B. work (when not including in overall rates) wrought required shape as necessary including bending for completion of work and including supply of steel wastage of the							ស <u>ភ</u> ិស្វ	
UPJN SOR 2014- 15 1151	Raft @2%		Ni	15			70,957	1,032,706 90	-
UPJN SOR 2014-	Beam (including ring and gantry beam)		Ni	39	-		8,913	346,304.65	
15_1149 UPJN_SOR_2014-	@2% Slub and Roof Slub @1%		Nr	-21	-	-	8,913	183,418.21	
15_1149 UPJN_SOR_2014-	Lintals and Sunshades @1%		Nı	24	-	-	8,913	209,892.67	
15 1149 UPJN SOR 2014	-			6				54,712 02	
15 1149 UPJN SOR 2014-	Starcase @1%		Nı				8,913		
15_1151 UPJN_SOR_2014-	Stening Wall @2%		N1	298			70,957	21,135,678 28	
15_1150	Cutting Edge @60kg in		Ton	17	_		9,512	163,219.52	
			_					0 00	
	Providing and fixing steel glizzed doors, windows and ventilator of standard rolled steel section four welded with 15% 3 mm tage. 10 mm long with steel tages embeded in cement concrete blocks 15x10x10 cm of 1.3 6 or with fixing slips or with bolts and mits as required including providing and fixing glass panes with glaging chip sand spuds metal such putty of approved made complete cost of approved steel primer excluding the cost of netal beading and other fitting except.		m²	25			7,805	71,247 00	
	Supply of oxidised from fitting for							0,00	
	doors and windows.		m2	23			41(1	9,890,00	
	Supply and fix iron grill including all labour T&P etc. as per design and direction of Engineer Incharge complete in all respoect of work.		m2	22			4,500	99,000.00	
		***************************************						0.00	
UPJN_SOR_2014- 15_1235	Painting new iron work in small areas or over new wood work with one coat of primary and two coats of approved enamel including supply of all material, labour, T&P etc. required for proper		m2	398			102	40,406.98	
	12 mm thick cement plaster with 1:6							0 00	
UPJN_SOR_2014- 15_1187.i	cement and local sand mortor including supply of all materials labour T&P etc. required for proper completion of work.		m2	317			182	57,609 68	
								0,00	
UPJN_SOR_2014- 15_1253	Snowcem painting two coats of required shade including supply of all material and labour, T&P etc. required for proper completion of work on outside the pump house sunshade etc.		m2	345			18	6,301,52	
								0,00	
UPJN_SOR_2013- 14_1219	Granolythic marble 25 mm thick consisting of 20 mm thick layer of cement approved coarse sand and 12 mm thick surface coat with ordinary black or grey of mixed marbles chips 8 mm in approved of 1:2 and polished by hand or by machine and finally finished with french mension polish or any other approved polish excluding base concrete and including supply of all materials, labour, T&P etc required for		m2	65			1,089	70,941.29	
	Supply and 11x 23 min O.1. Pipe raining							0.00	
	on angle iron post including supply of							0,00	
	Angel iron 50 mm x 50 mm x 6 mm		m	197			336	66,114.72	

			C	17.	04	FC Portio	on (Yen)	LC Portion	on (INR)	D-Fax
		Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
1		G.I. Pipe 20 mm dia in three		m	285			190	54,172,80	
+		rows,		+					0.00	
+		Supply and fix chequered plates		+		 				
		including cost of all materials, labour, T&P etc.		m2	41			2,100	86,625.00	
									0.00	
		25 mm thick in 1/2/4 plain cement concrerte floor with cement approved C.S. and 3/6 graded approved stone laid in pannel finished with 3 mm floating coat of neat cement or cement and marble dust in ratio of 1/5 specified overlap including 75 mm thick base concrete of brick ballast 40 mm with local sand and cement in ratio of 8/4/1 and removing any overlaping materials at the joints of panels if and giving there including supply of all material, labour, T&P etc. required for proper completion of work.		m2	52			572	29,782 96	
7	CDVID 111(B)	Other Building Works Based in area a) Operation Room			0			21,760	0.00 195,840.00	
		a) Operation Room b) HT Room		sqm sqm	9		 	21,760	195,840,00	
		c) Transformer Yard and Generator Roo	m	sqm	20			21,760	435,200.00	
1									0.00	
╛		Site clearance and other unforeseen item	ıs	LS	1			10,000	10,000.00	
									0.00	
									0.00	
╛									0.00	
									0.00	
		Construction of boundary Wall in Brick Masonary - (230 mm thick,1 mtr in Length and 1.8 mtr in Height)		Rm	80			5,792	463,366.47	
7	Unit Estimate attached	M.S. Gate (3.6 Mtr Wide) with Wicket		No	1			71,348	71,347,98	
+	One Dannar account	Gate (1.2 Mtr Wide)							0.00	
		Rising Main							0.00	
_		Supply of DI K9 Pipe , 350 mm Dia.		LS	30 10%			5,361 160,842	160,842.00 16,084.20	
+		Spacials @ 10% of Cost of pipe		LS	10%	1		160,842	0 00	
		Civil Excavation for pipe line in ordinary soil with lift upto 1.5 m and lead upto 50 m including refilling, watering and ramming of excavated earth in trenches after laying pipe line, removal and disposal of surplus material upto a		m3	45			183	8,253.00	
Ŧ		Laying Of pipe		m3	30		ļ	1,548	46,426,30	
4		T . 1							0.00	
+		Total						<u> </u>	30,413,371.72	
+		Mechanical works							 	
+		Mechanical works INLET GATE	Equipment cost	No.	2		-	290,000	580,000 00	
1			Installation cost	No	2			5,800	11,600.00	
4		COARSE SCREEN (MECHANICAL)	Equipment cost	No.	I		 	2,000,000	2,000,000.00	
+		COLUMN SCIENCE (MECHANICAL)	Installation cost	No	1			40,000	40,000 00	
1		20.1828.202222.2022			<u> </u>	+	-		0.00	
4		COARSE SCREEN (MANUAL)	Equipment cost	No	1	-		210,000	210,000.00	
+			Installation cost	No	1	-		4,200	4,200.00 0.00	
4		DELT CONTENOR	Panimum and 1111) hT.		-	-	400.000	400,000.00	
- 1		BELT CONVEYOR	Equipment cost	No.	1		-	400,000	8,000.00	
4			Installation cost	No	1			8,000	0.00	
+				NT-	6		1	450.000	2,700,000.00	
		CEWACE DID O		No		+		450,000 9,000	54,000.00	<u> </u>
		SEWAGE PUMP	Equipment cost	NY-			1	. annn	1 34,000,00	
		SEWAGE PUMP	Installation cost	No	6		 	9,000		
			Installation cost						0.00	
		SEWAGE PUMP ELECTRIC HOIST	Installation cost Equipment cost	No.	1			700,000	0.00 700,000.00	
			Installation cost						0,00 700,000.00 14,000.00	
			Installation cost Equipment cost	No.	1			700,000	0.00 700,000.00	

1 1 1	Items	Specification	Unit	Qty	PC Portio	ii (i en)	LC Portio	we (mare)	Referenc
	140118	opecinendon	Gilli	- Quy	Unit Price	Amount	Unit Price	Amount	1101072710
	Electrical works							0.00	
	Rectrical Substation							0.00	
	Diesel Generator Set	Equipment cost	No	- 1			1,797,510	1,797,516 00	
	Diesel, Radiator cooling, 100 kVA,		200						
	415V, 3-phase, Service tank with 1 m3, Ungine silencer with 85 dB, Bulk	Installation cost	No.	1			179,800	179,800 00	
	Inhand silencer with a 3 dr. Durk				-				
	HV Incoming Panel from existing				-				
	distribution panel	Equipment cost	No	1			2,723,700	2,723,709 00	
	IP52, 12 kV VCB 24 kV, 25 kA, 630 A	Installation cost	No	1			272,400	272,400 00	
	Power transformer at substation	Equipment cost	No	}			600,000	600,000,00	
	Oil filled type, 22/0 415-0.24 kV, 200	Installation cost	No.	ı			60,000	60,000,00	
	kVA, IP52, Insulation class F				-				
	MPS MCC	Equipment cost	No.	1			302,800	302 806 00	
	600 V, 1952, power supply 8 25kW c1	Installation cost	No	1			30,300	30,300 00	
	rev DOL 3 7kW x 3 DOL 7.5 k W x13,								
	Local Operation Panel for Sewage	Equipment cost	No	6	-		72,000	432,000.00	
	Stand type, I load Change-over switch	, simplifical cost	140		-		14,500	7.2.000.00	
	x1, On Off switch x1 Status lights x2,	Installation cost	No	6.			7,290	43,200 00	
	alarm lights x 2, emergency stop button	Transmitor con	1	•1			250	10460000	
	x1, outdoor				_				
	Inlet Flow Meter	Equipment cost	No	1			414,000	414,000 00	
	Electromagnetic type, 400mm dia accuracy less than 4-0.5% of rate	Installation cost	No	1			41,400	41,400,00	
	range: 0-10 m/sec	in manifest cost	-	,			11.5	71,100,000	
	•								
	Level Meter in wet well	Equipment cost	No	1			105,000	105,000,00	
	Ultritrasonic type, range 0-10m,		- -					10.500.00	
	accuracy less than +-0.5% FS	Installation cost	No	I			10,500	10,500,00	
	Level Meter at Pre-fine screen	Equipment cost	No.	I			105,000	105,000,00	
	Ultrirasonic type, range: 0-10m	Installation cost	No	1			10,500	10,500,00	•
	accuracy less than 1-0.5%FS				-				
			_						
	Level Meter at Post-fine screen	Equipment cost	No	1			105,000	105,000.00	
	Ultrtrasonie type, range: 0-10m,	Installation cost	No	1			10,500	10,500.00	
	accuracy, less than t-0.5% FS		+		+				
		T • • •					015 000	215,800.00	
	Cables and others	Equipment cost	Nο	1			215,800		
		Installation cost	No	<u> </u>			21,600	21,600.00	
			4 4					0.00	
	SCADA System Components							0,00	
	PLC Panel for solid process	Equipment cost	No.	1			950,000	950,000.00	
	Redundant hot standby configuration,								
	LCD 14" touch panel IP 62, AI: 20,	Installation cost	No.	1			19,000	19,000.00	
	AO, 15, DI: 90, DO:50, Pulse input:-		++					0,00	
	m-4-1		+-+						
	Total							8,450,010.00	
	Trented effluent reuse line	l	\perp						
	DISMANTLING AND REINSTATEM	MENT OF EXISTING	ROADS						
	DISMANTLING WORK								
	Dismantling manually / by mechanical								
	means including stacking of serviceable material and disposal of unserviceable								
	material and disposal of unserviceable material within 50 metres lead as per								
	direction of Engineer-in-Charge								
15.43.2 - DSR_2014		a) Bitumen Road	m2	573			159	91,087.94	
								0 00	
	REINSTATEMENT WORK							0.00	
UP PWD 2013	Reinstatement of Existing Bitumen		m2	573			3,634	2,081,191.80	
0.1771/ 2013	Road - Owned by Nagar Nigam		1112				2,03-1		
								0.00	
	EARTH WORK (SEWER)							0.00	
					1			0.00	

(m)	Items		Unit	Qty					Referenc
		Specification		40	Unit Price	Amount	Unit Price	Amount	
2.9-& 2.26.2_DSR_2014	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sam on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m.							0.00	
	including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m.								
2,9 1 & 2 26 2 DSR 2014	Ordinary Rock							0.00	
	a) 0.0 to 1.5 mtr B.G.L		m3	6,647			264	1,751,537 20	
	b) 1 5 to 3 0 mtr B G L		m3	681			346	235,967 10	
	c) 3.0 to 4.5 mtr B.G.L		m3				429	0.00	
	d) 4.5 to 6.0 mtr B G L		m3		-		512	0,00	
	e) 6.0 to 9.0 mtr B G L		m3		-		595	0.00	
	Excavation by manually or mechanically up to following depths below G.L. for laying sewer line, in ordinary soil (earth, sand, loam & clay) including cutting of joints pits ramming dressing, leveling by manually or mechanically, refilling of trenches in 15cm layer watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of							0.00	
3001 - SOR UP Jal Nigam Varanasi 2014-15	trenches. (Excavation for Manhole is a) 0 0 to 1.5 mtr B.G.L		m3	2,849			185	526,429.75	
3002 - SOR_U.P. Jal Nigam Varanasi 2014-15	b) 1.5 to 3.0 mtr B G L		m3	292			232	67,714.96	
3003 - SOR_U.P. Jal Nigam Varanasi 2014-15	c) 3.0 to 4.5 mtr B,G,L		m3	-			291	0.00	
3004 - SOR_U.P. Jal Nigam Varanasi 2014-15	d) 4.5 to 6.0 mtr B.G.L		m3				340	0,00	
3006 - SOR_U.P. Jal Nigam Varanasi 2014-15	e) 6.0 to 9.0 mtr B.G.L		m3				443	0,00	
RA Attached	Disposal of excavated excess earth away from the site including conveyance of material up to an average lead of 1 Km away from the site and corresponding required lift, loading, unloading etc complete as directed by the engineer-in-charge (The quantity is net quantity of capacity of tractor after deduction of 20% for							0.00	
	By Mechanical Transport including loading, unloading and stacking (Lead upto 2 Km away from the site)		m3	1,017			247	250,880 17	
								0.00	
	TIMBERING WORK		-					0.00	
	Providing and fixing open timbering in trenches up to 3m deep, consisting of 40mm thick approved country wood plank for poling board, 125x75mm Indian Sal wood wallers and 100mm diameter Sal wood ballies for shuttering at 1.50m c/c including removal after laying of sewers. (Measurement to be taken of the face area timbered).							0.00	
3041 - SOR_U.P. Jal Nigam Varanasi 2014-15	a) 1.5 to 3.0 mtr B ₁ G L ₁		m2	5,543			389	2,153,788.08	
3042 - SOR_U.P. Jal Nigam Varanasi 2013-2014 3043 - SOR_U.P. Jal	b) 3.0 to 6.0 mtr B.G.L		m2	0			469 61	0.00	
Nigam Varanasi 2013-2014	a) 6.0 to 9.0 mtr B.G.L.		m2	0			575 93	0,00	

		Items	Specification	Unit	Qty	FC Portio	n (Yen)	LC Porti	on (INR)	Reference
		nemy	Specification	437111	Qıy	Unit Price	Amount	Unit Price	Amount	Reference
		Providing and fixing close timbering in								
		trenches for the following depths below G.1. consisting of 40mm thick								
- 1		approved country wood plank for								
		poling board 125x75mm Indian Sal- wood waters and 100mm diameter Sal-							00.0	
İ		wood ballies for shuttering at 1 50m o/o								
		including removal after laying of sewers (Measurement to be taken of the								
	3032 - SOR_U.P. Jal			-						
	Nigam Varanasi 2013-2014	a) 1,5 to 3,0 mtr B G L		m2	0			633 77	0.00	
	3032 - SOR_U.P. Jul	.030.07								
	Nigam Varanasi 2014-15	3 0 to 4 5 mtr B G L		m2	924			644	594,797 28	
									0.00	
		SUPPLY & LAYING OF R.C.C. PIP	0						0.00	
-		Supply and carring to site RCC NP3 pipes (with s/s ends) as per IS 458 -								
		2003 (Amended up to date) including	İ							
		all taxes (Central and Local) with								
		Rubber gaskets (EPDM/SBR) as per IS 5382-1985 or (Amended up to date)	di 350 mm dia RCC	m	3,695			1,343	4,963,864.48	
		including cost of Rubber gaskets	pipe		7.4.7.4			44.74	4,70,100,4-10	
		labour required transportation, loading								
		unloading & stacking etc (excluding cost of laying, jointing, testing and								
		continuing joining, testing and commissioning). The pipe shall be ISI								
\dashv		Cartage of RCC hume pipe NP3 class		-			-			
		and specials from store to the site of work laying of the same pipe in to the	Company of the Compan							
		trenches in various depth, true to								
		alignment chocking the point laving								
		sewer pipe with tubber ring and		1					0_00	
Ì		Jointing materials including excavation of the below invert level of pipe and								
		testing of laid pipe line complete								
		excluding the cost of excavation of								
	3201- SOR U.P. Jal	earth and refilling of trenches from								
	Nigam	b) 350 mm dia RCC pipe	15 to 30 Mtt B G L	m	3,605			551	2,034,395.65	
	Varanasi 2014-15			-					0.00	
-		MANHOLES IN BRICK MASONARY							0.00	
\dashv		CIRCULAR BRICK MANHOLE							0.00	
		Construction of Brick Circular Manhole	Į	1 1						
		in first Class Brick of following Sizes in cemnt mortar 1:4, C.C. top slab with		1						
		1:1.5:3, Bed concrete 1:1.5:3, PCC		1 1						
Ì		1:3:6,inside and outside plastering 12		1 1						
		mm thick with cement mortar 1:3 finished with floating coat of neat								
		cement and making channels in Cement								
		concrete with 1:1.5:3,, finished with							0 00	
		Floating coat of neat cement complete								
		with including Plastic Encapsulated M.S. foot Rest staggered at 0.375 mtr								
		interval, including excavation,		1 1						
		reinforcement and Formwork, SFRC		1 1						
		Heavy duty frame and cover as per								
		standard design and drawing.								
+		e) 350 mm dia Sewer Pipe	1,5 to 3,0 mtr ht with	m	38			35,156	1,335,942.79	
+			900 mm Manhole Dia	+					0.00	
1		MISCELLANEOUS							0.00	
		Providing and fixing in position CI Puddle collar (approx 1m length)		Nos	38			9,064	344,432.00	
_		200 mm dia							0.00	
T	<u></u>	Provision for shifting & reinstatement								
		of utilities e.g. electric & telephone cable/ poles, water lines drains etc.		Ls	1			100,000	100,000 00	
		during excavation & laying of sewers.								
									0.00	
		Total		1 1					16,532,029.20	

IPS-1

		(EU)	12 31	FC Portio	n (Yen)	LC Porti	on (INR)	D (
ltems	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
D:								
[Direct Cost]							13,936,634	
Civil work				-				
Mechanical work							9,910,975	
Electrical work		 					4,582,970	
		ļ			-			
				-			20 450 550	
Sub-Total		<u> </u>					28,430,579	
		 		ļ				
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		63		247.00	FC Portion (You)	LC Portio	on (INR)	n e
	Items	Specification	Unit	Qiy.	Unit Price Amount	Unit Price	Amount	Reference
<civil building="" work=""></civil>			TEMPE =		U de la companya de l			
	Civil work						0,00	
	for construction of sump-cum-pump							
	house in ordinary soil including filling watering rumming and disposal of		m3	75		185	13,925.77	
	surplus soil upto a distance of 50 M in						32.0	
	wet condition.							
UPJN SOR 2014-15 3001 UPJN SOR 2014-15 3002	0.00 + 1.50 M		m3	75 75		232 291	17,482 01 21,950 11	
UPJN SOR 2014-15 3002 UPJN SOR 2014-15 3003		·	m3 m3	75	-	340	25,629,18	
UPJN SOR 2014-15_3004	4:50 - 6:00 M						.0.00	
							0.00	
	Same as above but in soil mixed with kankur etc.						0.00	
	KIDIKA CIC.						0.00	
	Sheet piling & timbering during the							
	excavation and construction of works including all material, labour, T&P etc					Ì		
	complete required for proper		m3	6-1		1,500	116,310,06	
	completion of the work and its							
UPJN SOR 2014-15 3050	dismantling after completion of work.		m3	61		2,626	160 766,10	
			1			-,	0.00	
			m3	10		6,365	63,330,36	
	Supply and lay PCC 1 4 8 in cement							
UPJN SOR_2014-15_1017	fine sand and 40mm brick ballast in foundation including supply of all						0.00	
	labour, T&P in wet condition							
							0.00	
	m e 1							
	Reinforced cement concrete work 1:2:3 in raft foundation side wall excluding							
	cost of centering and shuttering and		m ³	2		8,371	20,535,75	
	reinforcement							
UPJN SOR_2014-15_1023	Poft		m3	7	-	8,371	61,607,24	
	0,00 - 1,50 M			7		8,622	63,455.46	
UPJN SOR_2014-15_1023			m³	7				
	1.50 - 3.00 M		m³			8,881	65,359.12	W. 2112211212222222
	3.00 - 4.50 M		m ₁	7		9,148	67,319.90	
	4 50 - 6.00 M						0.00	
			nı3	10		12,904	126,621.29	
UPJN SOR_2014-15_1022	Same as above but in ring beam at pilnth level and floor level.		m3	28		12,904	364,669.30	
	Screen Slab						0.00	
							0.00	
UPJN SOR_2014-15_1022	R.C.C. 1:2:3 in floor slab of pump			,			0.00	
	house Less: for opening.		m3	4		12,904.08	56,726.34	
			m3	4		12,904.08	0.00	
UPJN SOR_2014-15_1022	P.C.C. 1:2:3 in roof slab		m3	10		12,904	129,660.20	
JPJN SOK_2014-13_1022	R.C.C. 1,2.3 III 1001 SIAU.		1112	10		12,704	0.00	
					-		0.00	
	R.C.C. 1:2:3 in cement coarse sand and							
JPJN SOR_2014-15_1021	10-20mm grit for						0.00	
	Staircase			2			0.00	
	(i) Slab			0			0 00	
	(ii) Beam		m3	2		11,329	22,430 73	- re-viewsies
							0_00	
							0.00	
OSR_2014_4.3.2	Centering and shuttering including						0.00	
10% inflation	struting propping etc. and removal of (a) Wall		M2	39			0.00	
O70 HILIGHUN	(i) Wall inside		M2	36	+ +		0.00	
			IVL	20			0.00	
	(ii) Wall outside		10					
	(b) Slabs		M2	50			0,00	
	(i) Floor		M2	50			0.00	
	(ii) Roof		M2	24			0.00	
	(c) Staircase		M2	1			0.00	
			M2	201		397	79,574.44	
							0,00	
							00 0	
	Reinforcement of R.C.C. work							
	including, Straightening, cutting,		Kg.	1,275	'		0.00	

		Page Care	17. 1	0.	FC Portio	on (Yen)	LC Porti	on (INR)	D f
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	(a) [In slab 1% of 8(a) + 8(b) + 9(i)]x		Kg.	5,007				0,00	
	(b) [for Raft and wall 2% of		Kg.	6,282				0,00	
PJN SOR_2014-15_115	6(a)+(b)]x7850		Qtl	63	+		7,096	445,769,45	
F3N BOK_2014-15_115	1		Qii		+		7,030	0.00	
				10	 			0.00	
PIN SOR 2014-15 102	9 Brick work in 1:6 in pump house.			-1				0.00	
1311 BOK 2014-13_102	Less: for Doors & Windows			-1				0.00	
			m3	8			5,334	43,795.10	
								0.00	
PJN SOR 2014-15 119	0 12mm thick plaster in 1:6 in pump		M2	126			135	16,918.32	
	Inner & Outer							0,00	
	Deduction for door & window			- 4				0,00	
			 	-1			105	0,00	
			m3	243	ļ		135 91	-143 46	
	Supply and fixing of I.S.M.B. 250 @		Kg	243	1		91	22,015.80	
	Kg/M 37.30 and M.S. grill, door including one coat of redoxide and two coats of black Japan paint including fabrication, supply and fixing of		Kg	500			75	37,500.00	
	Provision for water proofing		No.	1			3,000	3,000.00	
	Providing and fixing M.S. angle iron door frame including frame 50x50x6 mm including all labour and material etc. complete.							0,00	
	Providing and fixing steel shutters including cost of all labour and material etc complete		M2	3				0.00	
	Door		M2	2				0.00	
	Window		M2	5			3,900	18,252.00	
								0 00	
			Kg.	402			60	24,115.20	
	Supply of rubber matting.							0.00	
PJN_SOR_2014- 5_1253	Supply of all materials and painting snow-cem paint inside and outside the sump		M2	267			18	4,868,26	
	Inside & Outside 1x3.14x6.5x5							0 00	
	Enamel painting in door & windows							0.00	
	including labour and material costs Door		M2	5	 	+	135	606.74	
	Window		M2	3	+	 	135	436,85	
	Window		IVIZ	,			133	0,00	
			-		+				
								0,00	
	Other Works		ļ			1		0,00	
	Construction of boundary Wall in Brick Masonary - (230 mm thick,1 mtr in Length and 1.8 mtr in Height)		RM	80			5,792	463,366.47	
	M.S. Gate (3.6 Mtr Wide) with Wicket Gate (1.2 Mtr Wide)		no	1			71,348	71,347.98	
	Oate (1.2 Mt Wide)				 	 		0.00	
	Rising Main								·····
	Supply of DI K9 Pipe, 200 mm Dia		RM	2,130		 	3,169	6,750,183,00	
	Spacials @ 10% of Cost of pipe		LS	10%	+	+	6,750,183	675,018.30	
	opacinas (a) 1070 or cost of pipe		100	1376	+	1	-,,,,,,,,	0.00	
	Excavation for pipe line in ordinary soil with lift upto 1.5 m and lead upto 50 m including refilling, watering and ramming of excavated earth in trenches after laying pipe line, removal and disposal of surplus material upto a distance of 50 m.		cum	3,195			183.4	585,963 00	
	 		RM	2,130	-	-	1,547.5	3,296,267.63	
	Laying Of pipe		I KWI	2,130		-	1,541-3	0.00	
	Tabal			 		-		13,936,634,00	
	Total		+	ļ		+		13,550,034,00	
				-	-	-			
			+		+	-	-	-	
	Mechanical works			ļ		1		-	
	Inlet Screens		 	ļ		+	<u> </u>		
	Mechanical Step type Screens SS304 1 m wide 1 m depth with bar clear bar spacing 20 mm		no.	1			289,192	289,191.90	

	Cural Carolina	200	Chil	PC Portio	n (Yen)	LC Porti	on (INIC)	Reference
liems	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
 Supply and installation of one set of								
complete Manuall cleaned coarse screen in the inlet chamber having the								
apperture size as 20mm. Screens shall		no	1			148,304	148,303.54	
be installed at an inclination of 700								
 (max) to the horizontal		-						
 Belt Conveyor -500 mm width		110.	1			172,158	172,158 02	
 Screen Collection bin Trolley		no	1			235,047	235,047,12	
							0.00	
Pumping Plants and Its Accessories							0.00	
 Non-clog, single stage, bottom suction								
submersible pump of Capacity		nos	3			1,494,090	4,482,268 57	
=105cum/brs and head 23m at Peak Plows								
 Non-clog, single stage, bottom suction								
submersible pump of Capacity =45			2			603,382	1,206,764 62	
cum/hrs and head 19 m at non Peak		nos	*			003,364	1,200,704 02	
 Flows								
Supplying, creeting, testing & commissioning of Manually Operated								
Crane (single bridge gilder currying								
two wheels complete with chain		110	1			243,178	243,178.32	
pulley block, load chain of welded		,						
construction of alloy steel as per IS 2429, hand chains for hoising &								
traverse mechanism					!			
Providing, installation, testing and								
commissioning of glycerin filled								
Pressure gauge of following ranges with isolation valve and tap off pipe		no			8	1,022	6.132.69	
complete in all respect as per technical								
 specification and as per direction of								
Tools and Tackles (As Per enclosed							0,00	
list)							0,00	
 a Chain wrench		No	2			7,500	15,000.00	
 b Pipe wiench		No	3		<u> </u>	1,100	3,300,00	
 c. Screw wrench		No	3			700	2,100,00	
		No	1	 		2,000	2,000,00	
 d. Ring spanners		_		+				
 e Double ended spanners		Set	1	-		1,000	1,000,00	
 f. Insulation pliers		No.	1			250	250.00	
 g. Hammer with handle		No.	2			400	800.00	
 h. Hexa blade frame		No	2			150	300.00	
i. Measuring tape of different size		Set	1			500	500.00	
j. Sprit level set comprising of		No.	1			1,000	1,000.00	
 - Filler gauge		No.	1				0.00	
 - Steel scale		No.	1		1	· · · · · · · · · · · · · · · · · · ·	0.00	
 - Chisel (150, 200 mm)		No.	1		-		0.00	
 (**************************************								
- File (Flat, half round, round and		Set	1,000				0.00	
triangular)								
k Maggor HT & LT		No.	1			15,000	15,000.00	
l. Crimping Tools		No.	1			30,000	30,000.00	
 m. Multimeter		No.	1	 		3,000	3,000.00	
 n. Power Drill		No.	1			5,000	5,000.00	
 			1			150,000	150,000.00	
 Installation of all the equipments etc.		Job						
 Commissioning of pumping station		job	1			25,000	25,000.00	
 Testing of pumping plants Painting of all equipment and drives		job	1	-		25,000	25,000.00	
 etc equipment and unives		job	1			35,000	35,000 00	
							0,00	
Valves and Fittings							0.00	
 Sluice valve							0 00	
 Manually operated Sluice Valve(DI)							0 00	
 with H/w, PN10 conforming IS 1538				ļ				
 150 mm dia.		No	1	ļ		43,393	43,393.24	
 100 mm dia		No	5			33,157	165,786.47	
 Non-Return valve							0 00	
 C.I.D/F Swing type Non-Return Valves				1				
as per IS:5312, (Part-1 & 2)								
Single/Multidoor type (with Lever &							0.00	
counterweight 400 mm & above) 700								
mm & above Dual Plate Check Valves		1		1	1			

	Ta	Space Front	1127	0.	FC Portio	on (Yen)	LC Portion	on (INK)	Reference
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	150 mm dia		No	1			41,375	41,374.79	
	100 mm dia		No	5			30,600	153,000.51	
	D.F.C.I. Pipes and D.F. C.I. Specials		kg	30,173		 	60	1,810,380.00	
	D.F. C.I. Tipes and D.F. C.I. Specials	- P-	1.3	30,173		1		0.00	
	Providing, installation, testing and commissioning of following Stain less steel AISI 304 Expansion bellows of 10 bar rating with tie rods as per technical specifications and layout drawings including jointing material like nuts, bolts, rubber gaskets etc. complete in all respect as per technical specification and as per							0.00	
	direction of Engineer								
	300 mm dia		nos.	6			24,525	147,150.18	
	Nuts & bolts of SS and rubber insertion /packing etc @ 5% Of the weight of CI piping and fittings		kg	1,509		1	300	452,595.00	
	piping and ritings							0.00	
	Total							9,910,974.97	
	Electrical work								
	DG Sets								
	D.G. SET 82.5KVA, 3 phase, 4 wire, 415 volt, 50 Hz., 1500 rpm, TAC / Air cooled Diesel Engine driven generating set with canopy. AMF control panel, fuel tank, battery, AVM pads etc. complete in all respect		Set	1			808,500	808,500.00	
	CHANGE OVER PANEL							0.00	
	Wall mounted, metal clad, factory fabricated and wired dust & vermin proof of 160 amp. Capacity change		No	1			150,000	150,000.00	
	POWER WIRING					1		0.00	
	Supply of 3.5C- 185 sq. mm. XLPE insulated, aluminium conductor armoured LT Power Cable from alternator to distribution panel cum changeover in a single length for 1 no. D.G. Set		Mtrs	100			1,850	185,000.00	
	EARTHING		1					0.00	
	Provision for proper double earthing for neutral & body separately as per IER including required material & labour etc. complete in all respect		1 Job	1			60,000	60,000.00	
	INSTALLATION & TESTING							0.00	
	Installation, commissioning of DG Set		1 Job	1			150,000	150,000.00	
	& penel.		1						
				-		-		0.00	
	Electro- Magnetic Flow meter					1		0.00	
	Direct on line Full Bore electro- magnetic Flow meter for sewage application. The flow meter shall be suitable for bi directional flow measurement. This shall be having protection category of the sensor shall be IP68and protection category for the transmitter shall be IP-65. Accuracy shall be of +/-5% of measured value without being affected by variation in the line pressure. Equipment should be complete with converter, transmitting device and should be fully		no.	1			313,600	313,600.00	
- 19 	programmable with digital flow indicator & integrator etc. The sensor housing and junction box should be of \$\$\s\$\$.316							0.00	
	Internal and External Lighting		1	1				0.00	
	Lighting & fan wiring in LT panel room, DG set room, Metering room, Switch gear panel room, Staff quarter etc. including required material & labour		points	50			1,000	50,000.00	

liems	Specification	Unit	Qty	PC Portion (Yen			Reference
Hema	Specification	Unit	Çiy	Unit Price Amou	it Unit Price	Amount	Reference
Supply & flxing of 1200 mm, ceiling flan of reputed make		nos	2		3,000	6,000.00	
Supply & fixing of 18" exhaust fan, 900 rpm at the rate of 20 Air changes per hour		nos.	2		6,000	12,000 go	
Supply & fixing of discharge lamp HPSV/Nercury Vapour fittings including supply & grouting of 9 mtr. Height steel tubular poles complete in all respect		hos	,d		16,000	64 ₋ 000-00	
 Supply & fixing of gate lights and sump- well light		nos	.4		5,000	20,000.00	
 Web Ham						0.00	
	- -	_				0.00	
Switchgear with Transformer RCC Double pole structure complete with Isolator, Insulators, Lightening Arresters, HG Finses, Operating handle with pad locking, tensioning wire and other accessories as required to complete the work		ho	1		175,000	175,000 00	
SITC of 100 KVA, 11/44 KV, 3 phase, 50 c/s, oil immersed, ONAN & power transformer, DYN 11, HV & LV winding incorporated with buchhloz relay & marshall box having OTI & WTI protection complete with all respect		Set	ı		308,000	308,000,00	
 Supply & laying of 120 sq. nim 3 core XLPF cable ISI mark according specification complete in all respect		mitr	100		1,800	180,000,00	
SITC of 200 amp, 45 KA 2 nos incoming 1 bus coupler & 7x63A+4x32A outgoing SFUfeeders	, ,	nos	1		500,000	500,000,00	
 SITC of Auto power factor correction		nos	1 2		70,000	140,000,00	
Supply, laying&termination of 3,5C- 185 sq. nm. aluminum armoured cable ISI mark according specification complete in all respect		mtt	240		1,500	360,000.00	
SITC of Direct on line Starter with single phase protection feature in sheet steel enclosure for operation of Screen & Conveyor		nos	3		1,540	4,620,00	
SITC of fully automatic Star-Delta startes with single phase protection feature in sheel steel enclosure for coperation of submersible pumps		nos	5		12,950	64,750,00	
Supply , laying&termination of 3C-16 sq. mm. aluminum armoured cable ISI mark according specification complete in all respect		mtrs	300		225	67,500,00	
Supply & burrying of earthing pits around the sub-station etc, complete in all respect		Job	1		100,000	100,000.00	
Supply & fixing of fire extinguisher of 10 kg. capacity ISI mark complete in all respect		Nos.	10		12,000	120,000.00	
 All installed electrical equipments, drawings, fees and complete in installation of sub-station shall be approved by Dy. Director of Electrical Safety		Job	1		110,000	110,000.00	
Supply & laying of rubber matting ISI mark as per specification etc complete in all respect		Nos	3		18,000	54,000.00	
Supply & laying of chequerred plate on the cable trench etc complte in all rexpect		mtr.	10		8,000	80,000.00	
Fencing work around the sub-station in all respect		mtr.	50		10,000	500,000.00	
Total						4,582,970.00	
		+					
 		1		+		+	

INTERCEPTOR SEWER AND APPURTENANCE WORKS and INTERCEPTION STRUCTURE

Carair	11	04:	FC Portio	n (Yen)	LC Portion	Reference	
Specification	Unit	Qty.	Unit Price	Amount	Umt Price	Amount	Reference
						105 222 442	
	4		-			103,232,442	
	-		-			522.405	
-			-				
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100			1			106,123	
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			-				
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	1-1						
	\rightarrow		ļ	0		107,878,640	
-			ļ	ļ			
			1				
				ļ			
	Specification	Specification Unit	Specification Unit Qty	Specification Unit Qty Unit Price	Specification Unit Qty Unit Price Amount	Specification Unit Qty Unit Price Amount Unit Price	Unit Price Amount Unit Price Amount

					FC Portio	m (Yen)	LC Port	ion (INR)	D. C
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
Civil/Building work	> 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10	TECAPEDATA		-	THE PARTY		TILL.		
	Interceptor sewer			110				0,00	
	DISMANTLING WORK							0.00	
	Diamantling manually / by								
	mechanical means including							0,00	
	disposal of unserviceable material and		1					U,ttt	
	within 50 metres lead as per		1						
15 43 2 - DSR 2014	a) Bitumen Road		1112	7,889			159	1,254,745.45	
1266 - SOR_U.P. Jal Nignir Varanasi 2014-15	b) Cement Concrete Rond		mi3	1,092			1,014	1,106,971.32	
Varanasi 2014-13								0.00	
	Tilking our existing CC intertocking								
	pavet blocks from footpath/central								
	verge, including removal of rubbish etc., disposal of unserviceable		1 1						
	material to the dumping ground, for		1					07.022.57	
16.83 - DSR_2014	which payment shall be made		m2	1,821		[]	48	87,932,57	
	separately and stacking of		1 1						
	serviceable material within 50 metre								
	lend as per direction of Engineerin-								
	0							0.00	
UP PWD 2013	Reinstatement of Existing Bitumen Road - Owned by Nagar Nigam		m2	7,889			3,634,00	28,668,626,00	
								0.00	
	Providing all Materials, Labours T								
1323 - SOR U.P. Jal Nigam	& Pete & construct 100mm thick		1	1,092			2,041	2,229,001,32	
Varanasi_2014-15	(1:2:4) Cement Concrete Road for Reinstatement of patch & trench		m3	1,092			2,041	2,229,001,52	
	cuts in cornent concret Roads								
								0.00	
	Providing and laying 60 min thick								
	factory made cement concrete interlocking paver block of M -30								
	grade made by block making					1		1	
	machine with strong vibratory								
16 68 - DSR_2014	compaction, of approved size,		m2	364			602	219,267.04	
	design & shape, laid in required								
	colour and pattern over and including 50 mm thick compacted								
	bed of coarse sand, filling the joints				1			1	
	with fine sand ste all complete as		-		-			0.00	
	Laying old cement cocrete		4		-			0.00	
	interlocking paver blocks of any								
	design/shape laid in required line,								
	level, curvature, colour and pattern		1		1				
16.84 - DSR_2014	over and including 50 mm thick		m2	1,456	-		196	285,025.31	
	compacted bed of coarse sand, filling the joints with fine sand etc.							1	
	all complete as per the direction of		1 1						
	Engineer-in-charge. (Old CC paver		1						
	blooks shall be supplied by the		1					0.00	
	EADTH WORK (SEWER)		-					0,00	
	EXCAVATION WORK (SEWER)							0.00	
	means (Hydraulic excavator)/								
	manual means in foundation								
	trenches or drains (not exceeding							0.00	
2.9-& 2.26.2_DSR_2014	1.5m in width or 10 sqm on plan), including dressing of sides and				1			0.00	
	ramming of bottoms, lift upto 1.5 m,								
	including getting out the excavated								
	soil and disposal of surplus		-						··
.9.1 & 2.26.2 DSR 2014	Ordinary Rock			5 205	-		264	0.00	
	a) 0.0 to 1.5 mtr B.G.L		m3	5,295	-		264	1,395,179.80	
	b) 1.5 to 3.0 mtr B.G.L		m3	7,471	-		346	2,588,362.60	
	c) 3.0 to 4.5 mtr B.G.L		m3	8,516			429	3,656,856.28	
	d) 4.5 to 6.0 mtr B.G.L		m3	5,762			512	2,952,365.64	
	e) 6.0 to 9.0 mtr B.G.L		m3	1,847		,	595	1,099,697.69	
								0.00	
								0.00	

			3 135	- Marie 1	FC Portio	on (Yen)	LC Porti	on (INR)	TEST TO
	ltems	Specification	Unit	Qty.	Unit Price	Amount	Unit Price	Amount	Reference
	Excavation by manually or						· ·		
	mechanically up to following depths								
	below G.L. for laying sewer line, in								
	ordinary soil (earth, sand, loam &								
	clay) including cutting of joints pits					1			
	ramming dressing, leveling by		1 1					1	
	manually or mechanically, refilling								
	of trenches in 15cm layer watering							0.00	
	, ,								
	and ramming the same including								
	removal of surplus earth or other								
	dismantled material up to a distance							1	
	of 50m from the centre of trenches.		- 1 - 1						
	(Excavation for Manhole is included								
	in manhole item and not to be paid		\perp		-				
001 - SOR_U.P. Jal Nigam	a) 0.0 to 1.5 mtr B G.L		m3	2,269			185	419,325.47	
aranasi 2014-15 002 - SOR_U.P. Jal Nigam aranasi 2014-15	L) 1 6 to 2 0 mtr D G I		m3	3,202	<u> </u>	1	232	742,776.76	
aranasi 2014-15 003 - SOR UP Jal Nigam			1113	3,202				 	
aranasi 2014-15	c) 3.0 to 4.3 mtr B.G.L		m3	3,650			291	1,063,077.25	
004 - SOR_U.P. Jal Nigam aranasi 2014-15	d) 4,5 to 6.0 mtr B.G.L		m3	2,470			340	839,886.26	
006 - SOR U.P. Jal Nigam			m3	792	<u> </u>	-	443	351,103.12	
aranasi 2014-15	e) 6.0 to 9.0 mtr B.G.L		mo	192			443		
	Disposal of excavated excess earth		-		-			0.00	
	away from the site including					!		1	
						'			
	conveyance of material up to an								
	average lead of 1 Km away from the							0.00	
A Attached	site and corresponding required lift,					1		0.00	
	loading, unloading etc complete as								
	directed by the engineer-in-charge (
	The quantity is net quantity of		i 1						
	canacity of tractor after deduction of				ļ	ļ		 	
	By Mechanical Transport including						2.17	106 855 80	
	loading, unloading and stacking		m3	798		1	247	196,855.83	
	(Lead upto 2 Km away from the					+		0.00	_
	Disposar of Koad Cutting Rubbish /				ļ			0.00	
	Malba / similar unserviceable,								
	dismantled or waste material by				ļ				
					Ì			1	
	mechanical means, including				1				
A Attached	loading ,transportation , unloading		m3	2,306			306	706,016.95	
	to approved municipal dumping			ĺ					
	ground or as approved by Engineer -								
	in charge, within 5 km initial lead,								
	for all leads including all lifts					1			
	installed	=				+		0.00	
	Carting of excavated earth to				+	-		0.00	
	identified place and recarting the					1		1	
imilar Project Exp	same where sufficient width of road		m3	1,238		1	158	195,638.76	
Illiniai Troject Exp	is not available for stacking of		1112	1,250				130,000.70	
	excavated earth average lead 500						1		
	CACATAICH CALLE AVEIARC ICAU 300				1		1	0.00	
	TIMPEDING WORK				+	1		0.00	
	TIMBERING WORK Providing and fixing open timbering				+	+ · · · · · · · ·		0,00	
	in trenches up to 3m deep,								
	consisting of 40mm thick approved								
	country wood plank for poling							0.00	
	board, 125x75mm Indian Sal wood							0.00	
	wallers and 100mm diameter Sal								
	wood ballies for shuttering at 1.50m								
	c/c including removal after laying of								
041 - SOR U.P. Jal Nigam	sewers (Measurement to be taken		1	12.922			200	1 096 617 84	
2014.15	a) 1.5 to 3.0 mtr B.G.L.		m2	12,833	-		389	4,986,517.84	
042 - SOR_U.P. Jal Nigam aranasi_2013-2014	b) 3.0 to 6.0 mtr B.G.L.		m2	0			469.61	0.00	
043 - SOR_U.P. Jal Nigam aranasi_2013-2014	a) 6.0 to 9.0 mtr B.G.L		m2	0		T	575.93	0.00	
	. ,								

		Daniel Hand		0	FC Portic	n (Yen)	LC Porti	on (INR)	Reformen
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	Providing and fixing close timbering in trenches for the following depths								
	below G L consisting of 40mm		1 1			1			
	thick approved country wood plank								
	for poling board 125x75mm Indian							0,00	
	Sal wood waters and 100mm diameter Sal wood ballies for								
	shuttering at 1.50m c/c including					1			
	removal after laying of sewers					1			
032 - SOR UP Jal Nigum	(Mensuement to be taken of the		-		-		444.55		
aranasi 2013-2014	u) 1.5 to 3.0 mtr B.G.L.		m2	0			633,77	0,00	
032 - SOR_UP, Jal Nigam aranasi 2014-15	3.0 to 4.5 mtr B.G.L.		m2	5,472			644	3,522,435.84	
033-SOR_UP, Jal Nigam	4.5 to 6.0 mtr B G.L.		m2	3,058			817	2,499,700.94	
aranasi 2014-15 034-SOR U.P. Jal Nigam							040		
aranasi 2014-15	6.0 to 9.0 mtr B.G.L.		m2	825	-		940	775,260,75	
	Extra for planking and strutting in open timbering if required to be left								
	permanently inposition (Face area of							0.00	
	the timber permanently left to be								
047 - SOR_U.P. Jal Nigam aranasi 2014-15	a) 0.0 to 3.0 mtr B.G.L.		m2	257			886	227,370,63	
048 - SOR_U.P. Jal Nigam	h) 3.0 to 6.0 mtr B.G.L.		m2	1,372			1,090	1,495,854.56	
aranasi_2013-2014 049 - SOR_U.P. Jal Nigani			-		-				
aranasi_2013-2014	a) 6.0 to 9.0 mtr B.G.L		m2	0			1,314	0,00	
	Data for short of the state of							0.00	
	Extra for planking and strutting in close timbering if required to be left]			
	permanently inposition (Face area of					1		0.00	
OZO GOD LIB LINI	the timber permanently left to be		-		-	- 6			
038 - SOR_U.P. Jal Nigam 'aranasi 2013-2014	a) 3.0 to 4.5 mtr B G.L.		mi2	109			1531,91	167,652.23	
039 - SOR_U.P. Jal Nigam	b) 4,5 to 6,0 mti B G L		m2	61			1,896	115,949.57	
aranasi 2013-2014 040-SOR_U.P. Jal Nigam			+						
aranasi_2014-15	c) 6,0 to 9,0 mtr B.G.L.		nı2	17			2,127	35,090,55	
								0.00	
	BEDDING WORK							0.00	
	Providing and laying PCC Bedding with 12-20mm gauge approved								
	stone ballast, coarse sand and								
ate Analysis Attached	cement in M- 15 (1:2:4) all work up							0.00	
, 0.0	to plinth level, including supply of all materials labour T&P etc.								
	required for proper completion of								
	work and including shuttering and								
								0.00	
	a) 250 mm Dia Sewer Pipe							0.00	
	0.0 to 1.5 Mtr B.G.L.		Rm				532	0.00	
	0.0 to 1.5 Mtr B.G.L.		Rm				532	0.00	
<u> </u>	1.5 to 3.0 Mtr B.G.L.		Rm	180			638	114,840.00	
	3.0 to 4.5 Mtr B.G.L.		Rm	480	<u> </u>		641	307,680.00	
	4.5 to 6.0 Mtr B.G.L.		Rm				683	0.00	
	6.0 to 9.0 Mtr B.G.L.		Rm				725	0.00	
								0.00	
			1-1		-			0.00	
	e) 600 mm Dia Sewer Pipe		4-1		ļ			0.00	
	0.0 to 1.5 Mtr B.G.L.		Rm		1		1,318	0.00	
	1.5 to 3.0 Mtr B.G.L.		Rm				1,352	0.00	
	3.0 to 4.5 Mtr B.G.L.		Rm		ļ		1,398	0.00	
	4.5 to 6.0 Mtr B.G.L.		Rm				1,455	0.00	
	6.0 to 9.0 Mtr B.G.L.		Rm	1,550			1,512	2,343,600.00	
	0 700 P: 0 P:		+					0.00	
	f) 700 mm Dia Sewer Pipe				-		1.545	0.00	
	0.0 to 1.5 Mtr B.G.L.		Rm				1,547	0.00	
	1.5 to 3.0 Mtr B.G.L.		Rm		ļ		1,587	0.00	
	3.0 to 4.5 Mtr B.G.L.		Rm	400			1,641	0.00	
	4.5 to 6.0 Mtr B.G.L.		Rm	480			1,739	834,720.00	
	6.0 to 9.0 Mtr B.G.L.		Rm		-		1,816	0.00	

					FC Portio	n (Yen)	LC Porti	on (INR)	
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	Providing and laying RCC Bedding								- Transfer
	with 12-20mm gauge approved					l i			
	stone ballast, coarse sand and cement in M- 15 (1:2:4) all work up				1				
	to plinth level, including supply of							0.00	
	all materials labour T&P etc.		1						
	required for proper completion of								
	work and including shuttering and				 			0.00	
	e) 350 mm Dia Sewer Pipe				+			0.00	
	0.0 to 1.5 Mtr B.G.L.		Rm				825	0.00	
	1.5 to 3.0 Mtr B.G.L.		Rm				846	0.00	
	3.0 to 4.5 Mtr B.G.L.		Rm				874	0.00	
	4.5 to 6.0 Mtr B.G.L.		Rm	250			908	227,026.13	
	6.0 to 9.0 Mtr B.G.L		Rm				1,032	0.00	
			+					0.00	
				·	1			0.00	
	Providing and laying Granular		+ +		 				
	bedding with carefully compacted								
	graded hard crusher broken stone of 100% passing through 20mm sieve,		1 1						
	20-50% passing through 10mm sieve							0.00	
	and 100% retained on 6mm sieve								
	and Dimensions are as per								
	Approved Drawing for Following								
								0.00	
	b) 200 mm Dia Sewer Pipe							0.00	
	0.0 to 1.5 Mtr B.G.L.		Rm				576	0.00	
	1.5 to 3.0 Mtr B.G.L.		Rm	40		-1	573	22,915.56	
	3.0 to 4.5 Mtr B.G.L.		Rm				578	0.00	
	4.5 to 6.0 Mtr B.G.L.		Rm		 	l	585	0.00	·
	6.0 to 9.0 Mtr B.G.L.		Rm		+		609	0.00	
	0.0 to 3.0 1.12 2.0.2.		+					0.00	
					+			0.00	
	j) 700 mm Dia Sewer Pipe				 			0.00	
	0,0 to 1.5 Mtr B.G.L.		Rm		-		1,810	0.00	
	1.5 to 3.0 Mtr B.G.L.		Rm			 	1,801	0.00	
	3.0 to 4.5 Mtr B.G.L.		Rm	1,328	 		1,816	2,411,982.76	
	4.5 to 6.0 Mtr B.G.L.		Rm	1,520	-		1,836	0.00	
	6.0 to 9.0 Mtr B.G.L.		Rm		-		1,905	0.00	
	0.0 to 9.0 Mil B.G.L.		Kui				1,505	0.00	
	SUPPLY & LAYING OF R.C.C. PIL	or .			+			0.00	
	Supply and carting to site RCC NP3	E			+	ļ		0.00	
	pipes (with s/s ends) as per IS: 458 -					ŀ			
	2003 (Amended up to date)								
	including all taxes (Central and Local) with Rubber gaskets								
Market Rate - Quotation	(EPDM/SBR) as per IS: 5382-1985		-					0.00	
Attached	or (Amended up to date), including								
	cost of Rubber gaskets, labour					Ì			
	required, transportation, loading,						[
	unloading & stacking etc.(excluding								
)	150 mm		Rm					0.00	
	a) 200 mm dia RCC pipe		Rm			ļ	589	0.00	
	a) 250 mm dia RCC pipe		Rm	700			703	492,002.56	
	c) 300 mm dia RCC pipe		Rm				985	0.00	
	b) 350 mm dia RCC pipe		Rm	250			1,343	335,850.10	
	e) 400 mm dia RCC pipe		Rm				1,617	0.00	
	f) 450 mm dia RCC pipe		Rm				1,749	0.00	
	g) 500 mm dia RCC pipe		Rm				2,145	0.00	
	c) 600 mm dia RCC pipe		Rm	1,550			2,711	4,202,268.30	
	d) 700 mm dia RCC pipe	<u> </u>	Rm	1,808		1	3,305	5,975,819.54	
			Total	4,308		1		0.00	
					1	+		0.00	

		A AT	1000	0	FC Portio	n (Yen)	LC Porti	on (INR)	Reference
	Items	Specification	Unit	Qıy	Unit Price	Amount	Unit Price	Amount	Reference
	Carrage or KCC mime pipe ivro								
	class and specials from store to the								
	in to the trenches in various depth,								
	true to alignment chocking the point								
	laying sewer pipe with rubber ring								
	and Jointing materials including							0.00	
	excavation of the below invert level								
	of pipe and testing of laid pipe line								
	complete excluding the cost of		1 1						
	excavation of earth and refilling of								
	trenches from ground level to invert								
	Januar of Constant	**						0.00	
	n) 250 mm dis RCC pipe							0,00	
199 - SOR_U.P. Jal Nigam 'aranasi 2014-15	0.0 to 1,5 Mtr B,G,L,		Rm				372	0,00	
aranasi 2014-15	1,5 to 3,0 Mtr B,G,L.		Rm	580			396	229,441,90	
	3.0 to 4.5 Mti B.G.L.		Rm	90			420	37,810,48	
	4.5 to 6.0 Mtr B G L		Rm	3()	-		449	13,461.93	
	6 0 to 9.0 Mtr B G L		Rm		-		543	0,00	
	O O TO WILL O CITE						5.17.	0.00	
	ļ		-					0,00	
			_					0,00	
	h) 350 mm dia RCC pipe		_					0.00	
201- SOR_U.P. Jal Nigam	0 0 to 1.5 Mtr B G.L		0				517	0.00	
Varanasi 2014-15	1,5 to 3.0 Mtt B,G.L		0		-		551	0,00	
			0					0.00	
	3.0 to 4.5 Mtr B.G.L.						585		
	4.5 to 6.0 Mtr B.G.L		()				625	0.00	
	6.0 to 9.0 Mtr B.G.L.		()	250			756	188,979,26	
								0.00	
	140							0.00	
	f) 600 mm dia RCC pipe							0.00	
205- SOR_U.P. Jal Nigam	0.0 to 1.5 Mtr B.G.L.		0				841	0.00	
/aranasi_2014-15									
	1.5 to 3.0 Mtr B.G.L.		0				895	0.00	
	3.0 to 4.5 Mtr B.G.L.		0				950	0.00	
	4.5 to 6.0 Mtr B.G.L.		0				1,015	0.00	
	6.0 to 9.0 Mtr B.G.L.		0	1,550			1,229	1,904,594.65	
								0.00	
	g) 700 mm dia RCC pipe							0.00	
206 - SOR_U.P. Jal Nigam	0.0 to 1.5 Mtr B.G.L.		0				929	0.00	
aranasi 2014-15									
	1.5 to 3.0 Mtr B.G.L.		0				989	0.00	
	3.0 to 4.5 Mtr B.G.L.		0	1,224			1,050	1,285,265.63	
	4.5 to 6.0 Mtr B.G.L.		0	584			1,122	654,999.39	
	6.0 to 9.0 Mtr B.G.L.							0.00	
					<u> </u>			0.00	
	MANHOLES IN BRICK MASONAL	RV						0.00	***************************************
	CIRCULAR BRICK MANHOLE		-					0.00	
	Construction of Brick Circular				 			0.00	
	Manhole in first Class Brick of								
	following Sizes in cemnt mortar 1:4,							<u> </u>	
	C.C. top slab with 1:1.5:3, Bed								
	concrete 1:1.5:3, PCC 1:3:6,inside								
	and outside plastering 12 mm thick								
	with cement mortar 1:3 finished								
	with floating coat of neat cement and making channels in Cement							0.00	
	concrete with 1:1.5:3,, finished with							0.00	
	Floating coat of neat cement								
	complete with including Plastic								
	Encapsulated M.S. foot Rest				7.1			-	
	staggered at 0.375 mtr interval,								
	including excavation, reinforcement								
	and Formwork, SFRC Heavy duty								
	frame and cover as per standard				-			0.00	
	250 1: 6 8:	· · · · · · · · · · · · · · · · · · ·	+					0.00	
	c) 250 mm dia Sewer Pipe				ļ			0.00	
	0.0 to 1.5 mtr ht with 900 mm		No	1	t	ı i	13,367	13,367.25	

	Tames	Smalfantia	11-2	Ote	FC Portic	on (Yen)	LC Porti	on (INR)	Da6
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	1.5 to 3.0 mtr ht with 900 mm		No	20			35,149	702,983.10	-
	Manhole Dia 3.0 to 4.5 mtr ht with 900 mm		1,,	2	 		(4.357	102.000.61	
	Manhole Dia		No	3			64,357	193,069.61	
	4.5 to 6.0 mtr ht with 900 mm Manhole Dia		No	1			116,576	116,576.49	
	6.0 to 9.0 mtr ht with 900 mm		No				154,455	0.00	
	Manhole Dia	***************************************			1		,	0.00	
			+-+		<u> </u>			0.00	
	e) 350 mm dia Sewer Pipe		+	·····				0.00	
	0.0 to 1.5 mtr ht with 900 mm		No				13,454	0.00	
	Manhole Dia 1.5 to 3.0 mtr ht with 900 mm		+		ļ				
	Manhole Dia		No				35,156	0.00	
	3.0 to 4.5 mtr ht with 900 mm Manhole Dia		No				63,681	0.00	
	4.5 to 6.0 mtr ht with 900 mm		No	***	<u> </u>		115,867	0.00	
	Manhole Dia 6.0 to 9.0 mtr ht with 900 mm		140				113,607	0.00	
	Manhole Dia		No	9			152,822	1,375,396.69	
								0.00	
								0.00	
	i) 600 mm dia Sewer Pipe							0.00	
	0.0 to 1.5 mtr ht with 900 mm Manhole Dia		No				16,331	0.00	
	1.5 to 3.0 mtr ht with 900 mm		No			<u> </u>	41,506	0.00	
	Manhole Dia 3 0 to 4.5 mtr ht with 900 mm		+		 	-			
	Manhole Dia		No				73,486	0.00	
	4.5 to 6.0 mtr ht with 900 mm Manhole Dia		No				133,465	0.00	
	6.0 to 9.0 mtr ht with 900 mm		No	52			175,981	9,150,989.55	
	Manhole Dia		140				175,561	0.00	 .
	j) 700 mm dia Sewer Pipe		-					0.00	
	0.0 to 1.5 mtr ht with 1200 mm		1,7		-	ļ	17.277	0.00	
	Manhole Dia		No		-		16,276	0.00	
	1.5 to 3.0 mtr ht with 1200 mm Manhole Dia		No				41,197	0.00	
	3.0 to 4.5 mtr ht with 1200 mm		No	10			72,471	724,708.19	
	Manhole Dia 4.5 to 6.0 mtr ht with 1200 mm	 	1,,			ļ	122.460	7.020.700.00	
	Manhole Dia		No	53	ļ	ļ	132,468	7,020,798.99	
	6.0 to 9.0 mtr ht with 1200 mm Manhole Dia		No					0.00	
								0.00	
	BARRICADING							0.00	
	Providing and erecting 2.00 metre								
	high temporary barricading at site as per drawing/ direction of Engineer-		1 1					1	
	in-Charge which includes writing								
	and painting, arrangement for traffic							1	
	diversion such as traffic signals during construction at site for day								
	and night, glow lamps, reflective					}			
101 DEB 2014	signs, marking, flags, caution tape		Rm	100			1,467	146,700.00	
81 - DSR_2014	as directed by the Engineer-in- Charge. The barricading provided		Km	100			1,467	146,700.00	
	shall be retained in position at site								
	continuously i/c shifting of								
	barricading from one location to another location as many times as								
	required during the execution of the								
	entire work till its completion. Rate								
	include its maintenance for damages, painting, all incidentals.								
								0.00	
nilar project exp	Supply of all material, labour and		Rm	500			440	220,050.00	
								0.00	
	MISCELLANEOUS							0.00	
	Provision for shifting & reinstatement of utilities e.g. electric								
	& telephone cable/ poles, water lines		Ls	1			100,000	100,000.00	
	drains etc. during excavation &					 	1		
						1	1	1	

		9	13.3		FC Portio	n (Yen)	LC Porti	on (INR)	Dufin
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	INTERCEPTION STRUCTURE							0.00	
· · · · · · · · · · · · · · · · · · ·	Tambal Ganj Nala		_					0,00	
3001	Excavation for depth up to 1,5 m below G.L. for laying sewers, manholes, gully pits, chambers, samps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and running the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	59,30			184.79	10,958.05	
1005	Filling, dressing and ramming earth or sand or bajii or ballast or kunkar or shingle		m3	37.80			91-10	3,443.58	
103	Provision for disposal of surplus carth during construction process beyond municipal corporation limits of suitable place		m3	21.50			216 00	4,644.00	
1011	Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8.4.1) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work.		m3	4 73			3,766-64	17,816.21	
1025	sand and 20 mm gauge approved stone ballast in proportion of 1/1.5.3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials, labour, T&P etc required for proper completion of		m3	20 60			12,715.80	261.881,90	
1151	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.		Qtl	20,60			7,096.00	146,142.12	
DSR 4.3,2,	Centering and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters. https://doi.org/10.1001/j.j.com/		sqm	64.19			360.80	23,159.75	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	45.00			91.10	4,099.50	
M.24	Earth		m3	45.00			190.00	8,550.00	
M.15	Cement/Bag (50 kg)		t	4.50			7,500.00	33,750.00	
2436	Carting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1.00			682.00	682 00	
Approx. Mkt. Rt.	Rungs		No	20,00			300.00	6,000.00	
DSR 10.26 3	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. Pipes		kg	12.60			108.60	1,368.36	
								522,495.47	
	Total							322,433,41	

	i ekmenternerhilven				FC Portio	n (Yen)	LC Porti	on (INR)	n ef
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
3001	Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled		m3	4.45			184.79	822.32	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	1,15			91.10	104.77	
103	Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place.		m3	3.30			216.00	712.80	
1011	Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8:4:1) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work.		m3	0.73		:	3,766.64	2,734.58	
1025	R.C.C. work with cement, coarse sand and 20 mm gauge approved stone ballast in proportion of 1:1.5:3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials, labour, T&P etc required for proper completion of the work		m3	4.17			12,715.80	52,961.31	
1151	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.		Qtl	4 17			7,096.00	29,554.84	
DSR 4.3.2	Centering and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.		sqm	18.49			360.80	6,671.19	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	9.00			91,10	819.90	
M.24	Earth		m3	9.00			190.00	1,710.00	
M,15	Cement/Bag (50 kg)		t	0.90	ļ	ļ	7,500.00	6,750.00	
2436	Carting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1.00			682.00	682.00	
Approx Mkt Rt	Rungs		No	7.00			300.00	2,100.00	
DSR 10 26.3	approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel		kg	4.60			108.60	499.56	
	INFIRMAT I T DIBBE								
	Total					-		106,123.27	

		Banc P.	V Kores	405°	FC Portig	on (Yen)	LC Poni	on (INR)	D
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
3001	Excavation for depth up to 1.5 m below Q.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	15,80			184.79	2,919,68	
1005	Filling, dressing and ramming earth or sand or bajir or ballast or kankar or shingle		m3′	9.20			91_10	838 12	
103	Provision for disposal of surplus carth during construction process beyond municipal corporation limits of suitable place		m3	6.60			216 00	1,425,60	
1013	Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8.4.1) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work		m3	1.45			3,766 64	5,469 16	
1025	R C.C. work with cement, coarse sand and 20 mm gauge approved stone ballast in proportion of 1.1.5.3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials, labour, T&P etc required for proper completion of the work.		m³	8 33			12,715 80	105,922.61	
1151	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.		QtL	8.33			7,096,00	59,109.68	
DSR 4.3.2.	Centering and shuttering including strutting, propping etc. and removal of form work for! Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.		sqm	32,69			360.80	11,794.55	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	18.00			91.10	1,639.80	
M.24	Earth		m3	18.00			190.00	3,420.00	
M.15	Cement/Bag (50 kg)		t	1.80			7,500.00	13,500.00	
2436	Carting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1.00			682.00	682.00	
Approx Mkt Rt	Rungs		No	13.00	1		300,00	3,900.00	
DSR 10.26,3	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works,including applying priming coat of approved steel primer. G.I. Pipes		kg	6.60			108.60	716.76	
	Total		-					211,337.96	
			-					-	
	post office drain south								

IS TO THE	MARINEL YELLOW	The same of the sa			FC Portio	n (Yen)	LC Porti	on (INR)	
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
3001	Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	20.98			184,79	3,876.89	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	17.28			91.10	1,574,21	
103	Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place.		m3	3.70			216.00	799.20	
1011	Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8:4:1) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work.		m3	0.81			3,766.64	3,066,04	
1025	R.C.C. work with cement, coarse sand and 20 mm gauge approved stone ballast in proportion of 1:1.5:3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials, labour, T&P etc required for proper completion of the work		m3	7.31			12,715.80	92,888.92	
1151	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth		Qtl	7.31			7,096.00	51,836.28	
DSR 4.3 2.	Centering and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.		sqm	33.81			360.80	12,198.65	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	9.00			91.10	819.90	
M.24	Earth		m3	9.00			190.00	1,710.00	
M.15 2436	Cement/Bag (50 kg) Carting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1.00			7,500.00 682.00	6,750.00	
Approx, Mkt. Rt. DSR 10.26.3	Rungs Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works,including applying priming coat of approved steel		No kg	4.60			300.00 108.60	4,800.00 499.56	
	Total	···	ļ					181,501.65	
						1	1		

0		1	1		FC Portio	n (Yen)	LC Portio	on (INR)	
	Items	Specification	Unit	Qty:	Unit Price	Amount	Unit Price	Amount	Reference
3001	Excavation for depth up to 1,5 m below C.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surphis earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	22.20			184,79	4,102.68	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle		m3	19.92			91.10	1,814.88	
103	Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place		m3	2.28			216.00	492.48	
1011	Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8.4-1) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work		mi3	0.50			3,766,64	1,889,35	
1025	R.C.C. work with cement, coarse sand and 20 mm gauge approved stone ballast in proportion of 1.1.5.3 in columns excluding supply of		m3	6.63			12,715 80	84,305,75	
1151	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.		Qd	6.63			7,096.00	47,046.48	
DSR 4.3.2	Centering and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters. buttresses, plinth and string courses fillets, kerbs and steps etc.		sqm	33,44			360,80	12,065,15	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m.3	5.40			91.10	491.94	
M.24	Earth		m3	5.40			190.00	1,026.00	
M .15	Cement/Bag (50 kg)		1	0.54			7,500,00	4,050.00	
2436	Carting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1.00			682.00	682.00	
Approx. Mkt. Rt.	Rungs		No	17.00			300.00	5,100.00	
DSR 10.26.3.	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. Pipes		kg	3.80			108.60	412.68	
	Total							163,479.39	
	Gangeshwar (Nishad Park Nala)								

		THE RESERVE			FC Portio	n (Yen)	LC Porti	on (INR)	
	ltems	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
3001	Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	25,62			184.79	4,734,67	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	19.92			91.10	1,814.88	
103	Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place.		m3	5.70			216.00	1,231.20	
1011	Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8:4:1) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work.		m3	1.25			3,766.64	4,723.37	
1025	sand and 20 mm gauge approved stone ballast in proportion of 1:1.5:3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials, labour, T&P etc required for proper completion of		m3	8,93			12,715.80	113,488.52	
1151	work including straightening, cutting, bending, placing in position		Qtl	8,93			7,096.00	63,331.80	
DSR 4,3,2	Centering and shuttering including		sgm	37.94			360.80	13,688.75	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	13.50			91.10	1,229.85	
M.24	Earth		m3	13,50			190.00	2,565.00	
M,15	Cement/Bag (50 kg)		t	1.35			7,500.00	10,125.00	
2436	Carting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1.00			682.00	682.00	
Approx Mkt. Rt.	Rungs		No	17.00			300,00	5,100.00	
DSR 10 26.3.	Providing and fixing hand rail of approved size by welding etc to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. Pipes		kg	5.60			108.60	608.16	
	Total					-		223,323.20	
						<u> </u>			
	Balughat								

THE THE REAL PROPERTY.			COLUMN TO SERVICE	July 1	FC Portio	n (Yen)	LC Porti	on (INR)	
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
3001	Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	6.48			184.79	1,197.56	
1005	Filling, dressing and ramming earth or sand or bajir or ballast or kankar or shingle		m3	1,53			91,10	139 44	
103	Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place.		m3	4.95			216.00	1,069,20	
1011	Concrete with 40 mm gauge brick bullast, local sand and cement in proportion of (8.4.1) in foundations and floors including supply of all materials, labour, T&P etc required for proper completion of the work.		m3	1 09			3,766,64	4,101,87	
1025	R.C.C work with cement, coarse sand and 20 mm gauge approved stone ballast in proportion of 1.1.5.3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the		m3	5.51			12,715,80	70,083.13	
1151	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level		QtI	5 51			7,096-00	39,109,60	
DSR 4.3 2	Centering and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.		sqm	21.91			360.80	7,905.13	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	13.50			91.10	1,229.85	
M 24	Earth		m3	13.50			190.00	2,565.00	***************************************
M.15	Cement/Bag (50 kg)		t	1.35			7,500.00	10,125.00	
2436	Carting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1.00			682.00	682.00	
Approx Mkt Rt	Rungs		No	7.00			300,00	2,100.00	
DSR 10.26,3	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. Pipes		kg	5.60			108.60	608_16	
	Total		+					140,915.94	

Shirt Telline		E. F.	,,	0:	FC Portic	n (Yen)	LC Porti	on (INR)	Daf
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
3001	Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	8,14			184.79	1,503.55	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	2,53			91.10	230,17	
103	Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place.		m3	5.61			216.00	1,211.76	
1011	Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8:4:1) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work. R.C.C. work with cement, coarse		m3	1.23			3,766.64	4,648.79	
1025	R.C.C. work with cement, coarse sand and 20 mm gauge approved stone ballast in proportion of 1:1.5:3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of		m3	6.34			12,715,80	80,675.39	
1151	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth		Qtl	6.34			7,096.00	45,020.57	
DSR 4.3.2	Centering and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.		sqm	24.75			360,80	8,929.80	
1005	Filling, dressing and ramming earth		m3	15.30			91.10	1,393.83	
M.24	or sand or bajri or ballast or kankar Earth		m3	15.30	+	<u> </u>	190.00	2,907.00	
M.15	Cement/Bag (50 kg)	.,	t	1.53			7,500.00	11,475.00	
2436	Carting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear		No	1.00			682.00	682.00	
Approx. Mkt. Rt.	opening) size. Rungs		No	9.00			300.00	2,700.00	
DSR 10 26.3.	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. Pipes		kg	6.00			108.60	651.60	
	Total		-		-		-	162,029.46	
	Chaura Mata mandia (Danah A		-		-				
3001	Choura Mata mandir (Ramghat) Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	8.83			184.79	1,631.93	

			7.16	1 3.7	FC Portio	n (Yen)	LC Porti	on (INR)	Name to the last of the last o
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
1005	Filling, diessing and ramming earth or sand or bajir or ballast or kankar or shingle		m3	3.88			91.10	353.58	
103	Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place.		m3	4 95			216.00	1,069.20	
1011	Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8:41) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work.		ın3	1.09			3,766,64	4,101 87	
1025	R.C.C. work with cement, coarse sand and 20 mm gauge approved stone ballast in proportion of 1.1.5.3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding write (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials, labour, T&P etc required for proper completion of the work		m3	6 25			12,715.80	79,441,96	
1151	Steel reinforcement for R C C work including straightening, cutting, bending, placing in position and binding all complete upto plinth		Qtl	6.25			7,096 00	44,332.26	
DSR 4.3.2.	Centering and shuttering including strutting, propping etc. and removal of form work for. Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.		sqm	25 59			360,80	9,232.87	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle		m3	13.50			91.10	1,229.85	
VI.24	Earth		m3	13.50			190.00	2,565,00	
4 ,15	Cement/Bag (50 kg)		t	1.35			7.500.00	10,125.00	
2436	Carting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1.00			682.00	682.00	
Approx. Mkt. Rt.	Rungs		No	10.00			300.00	3,000.00	
DSR 10.26.3.	Providing and fixing hand rail of approved size by welding etc to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. Pipes		kg	5.60			108.60	608.16	
	Total							158,373.68	
	Kasi Ram Awas Drain			·					
5001	Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled		m3	3.46			184.79	638.48	

Management and	White End printed by the				FC Portic	on (Yen)	LC Porti	on (INR)	D. C
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	0.49			91.10	44,20	
03	Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place.		m3	2.97			216.00	641.52	
011	Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8:4:1) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work.		m3	0.65			3,766.64	2,461,12	
025	R.C.C. work with cement, coarse sand and 20 mm gauge approved stone ballast in proportion of 1:1.5:3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials, labour, T&P etc.		m3	3.47			12,715.80	44,155.62	
151	required for proper completion of Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.		Qtl	3.47			7,096_00	24,640.86	
OSR 4 3 2	Centering and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.		sqm	15.69			360.80	5,660.95	
005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	8.10			91.10	737.91	
1.24	Earth		m3	8.10	1		190.00	1,539.00	•
1,15	Cement/Bag (50 kg)		t	0.81			7,500.00	6,075.00	
436	Carting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1.00			682.00	682 00	
Approx Mkt. Rt.	Rungs		No	5.00			300.00	1,500.00	
DSR 10.26.3.	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. Pipes		kg	4.40			108,60	477.84	
	Total							89,254.50	
	Nagar palika								
3001	Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	7.18			184.79	1,327.02	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	3.88			91.10	353,58	

	ltem#	Specification	Unit	Qty	FC Portio	n (Yen)	I.C Portio	on (INR)	Reference
	(icm)	speemennon	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
03	Provision for disposal of surphis carth during construction process beyond municipal corporation limits of suitable place		m3	3.30			216,00	712.80	
011	Concrete with 40 mm gauge brick ballast, local sand and centent in proportion of (8:4:1) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work.		m3	0.73			3,766.64	2,734 58	
025	RCC work with coment, consessand and 20 mm gauge approved stone ballast in proportion of 1.1.5.3 in columns excluding supply of temforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including recessary centering and shuttering, supply of all materials, labour. T&P etc. required for proper completion of the work.		m3	\$ 09			12,715.80	64,659,84	
1151	Steel reinforcement for R C C work including straightening, cutting, bending, placing in position and binding all complete upto plinth		QtI	5 ()9			7,096 00	36,083 16	
OSR 4.3.2.	Centering and shuttering including strutting, propping etc. and removal of form work for Retaining walls, return walls, walls (any thickness) including attached pilasters, buttlesses, plinth and string courses fillets, kerbs and steps etc.		sqm	23 (19			360,80	8,330.87	
005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	9,00			91_10	819 90	
1 24	Earth		m3	9,00	 		190,00	1,710.00	
4.15	Cement/Bag (50 kg)		t	0,90			7,500.00	6,750.00	
1436	Carting & placing of C.1. Manhole heavy duty 500 — 560 mm (clear opening) size.		No	1.00			682.00	682.00	evere.
Approx. Mkt. Rt.	Rungs		No	10,00			300.00	3,000.00	
DSR 10.26.3	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G I. Pipes		kg	4.60			108.60	499.56	
	Total							127,663.31	
					-				
3001	Parade ground Excavation for depth up to 1.5 m below G L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	11.05			184.79	2,041.93	
005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar		m3	1.15			91.10	104.77	1-07-00-00
103	Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place.		m3	9.90			216.00	2,138.40	

	y www.			0:	FC Portion (Yen) LC Portion			on (INR)	Reference
	ltems	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
	Concrete with 40 mm gauge brick ballast, local sand and cement in								
	proportion of (8:4:1) in foundations			2.10			2.766.64	8 202 74	
011	and floors including supply of all		m3	2.18			3,766.64	8,203.74	
	materials, labour, T&P etc. required								
	for proper completion of the work. R.C.C. work with cement, coarse								
	sand and 20 mm gauge approved stone ballast in proportion of 1:1.5:3								
	in columns excluding supply of								
	reinforcement and its bending but								
	including its fixing and binding the								
.025	same with 0.50 mm thick binding		m3	8.82			12,715.80	112,089.78	
	wire (to be supplied by the								
	contractor) including necessary								
	centering and shuttering, supply of								
	all materials, labour, T&P etc		1 1						
	required for proper completion of								
	Steel reinforcement for R.C.C.				1				
	work including straightening,				1		# 00 c c c	(0.55.5)	
151	cutting, bending, placing in position		Qtl	8.82			7,096.00	62,551.24	
	and binding all complete upto plinth								
	Centering and shuttering including								
	strutting, propping etc. and removal								
OSR 4.3.2.	of form work for: Retaining walls,		sqm	28.49			360.80	10,279.19	
	return walls, walls (any thickness)		-						
	including attached pilasters, buttresses, plinth and string courses								
	Filling, dressing and ramming earth		1	27.00	<u> </u>		01.10	2.450.70	
005	or sand or bajri or ballast or kankar		m3	27.00			91.10	2,459.70	
1.24	Earth		m3	27.00			190.00	5,130.00	
1,15	Cement/Bag (50 kg)		t	2.70			7,500.00	20,250.00	
					1	—	· · · · · · · · · · · · · · · · · · ·		
	Carting & placing of C.I. Manhole		1				600.00	(80.00	
436	heavy duty 500 - 560 mm (clear		No	1.00	-		682,00	682.00	
	opening) size.								
approx, Mkt, Rt,	Rungs		No	7.00			300.00	2,100.00	
	B :1: 15: 1 1 1 5								
	Providing and fixing hand rail of								
	approved size by welding etc. to steel ladder railing, balcony							1	
OSR 10.26.3.	railing, staircase railing and		kg	8.60			108.60	933.96	
75K 10.20,5	similar works, including applying			0.00			700.00	,,,,,,	
	priming coat of approved steel								
	primer. G.I. Pipes				1	1		1	
			1 1			ļ			
	Total								
								228,964.71	
								228,964.71	
	Bhairam Ganj East							228,964.71	
	Bhairam Ganj East Excavation for depth up to 1.5 m							228,964.71	
	Bhairam Ganj East							228,964.71	
	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers,							228,964.71	
	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers,							228,964.71	
001	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth,		m ²	2.22			184 70		
001	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting		m3	2.23			184,79	411.79	
001	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming		m3	2.23			184.79		
001	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of		m3	2.23			184.79		
001	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled		m3	2.23			184.79		
001	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m		m3	2.23			184.79		
001	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	2.23			184.79		
	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches Filling, dressing and ramming earth							411.79	
	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches Filling, dressing and ramming earth or sand or bajri or ballast or kankar		m3	2.23			184,79 91.10		
	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches Filling, dressing and ramming earth							411.79	
	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.							411.79	
	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.							411.79	
005	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle. Provision for disposal of surplus earth during construction process							411.79	
005	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle. Provision for disposal of surplus earth during construction process beyond municipal corporation limits		m3	0.25			91.10	411.79	
005	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle. Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place.		m3	0.25			91.10	411.79	
001	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle. Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place. Concrete with 40 mm gauge brick		m3	0.25			91.10	411.79	
005	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle. Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place. Concrete with 40 mm gauge brick ballast, local sand and cement in		m3	0.25			91.10	411.79	
005	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle. Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place. Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8:4:1) in foundations		m3	0.25			91.10	411.79	
005	Bhairam Ganj East Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle. Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place. Concrete with 40 mm gauge brick ballast, local sand and cement in		m3	0.25			91.10	22.63	

		Sand day		· Cu	FC Portio	n (Yen)	LC Portio	LC Portion (INR)	
	ltems	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
025	R.C.C. work with cament, coarse sand and 20 mm gauge approved stone ballast in proportion of 1:1.5:3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding		m3	2.50			12,715.80	31,776.78	
	wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials, labour, T&P etc required for proper completion of the work. Steel reinforcement for R.C.C.								
151	work including straightening, cutting, bending, placing in position and binding all complete unto plinth		Qtl	2.50			7,096,00	17,732,90	
DSR 4.3.2	Centering and shuttering including strutting, propping etc. and removal of form work for Retaining walls, return walls, walls (any thickness) including attached pilasters, buttesses, plinth and string courses fillets, kerbs and steps etc.		sqm	12.81			360.80	4,621.85	
005	Filling, dressing and ramming earth or sand or bajir or ballast or kankar or shingle.		m3	5.40			91 10	491.94	
VI.24	liarth (Control of Control of Con		m3	5.40			190 00 7,500 00	1,026,00 4,050,00	
M.15 2436	Cement/Bag (50 kg) Carting & placing of C.1 Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1.00			682 00	682.00	
Approx Mkt Rt	Rungs		No	4 00			300 00	1,200.00	
OSR 10 26 3	Providing and fixing hand rail of approved size by welding etc to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer, G.1. Pipes		kg	3 80			108,60	412.68	
	Total							64,497.00	
3001	Bhairam Ganj west Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	2.23			184.79	411.79	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	0,25			91,10	22.63	
03	Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place.		m3	1.98			216 00	427.68	
011	Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8:4:1) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work.		m3	0.44			3,766.64	1,640.75	

				RV SS	FC Portion (Yen)		LC Portion (INR)		DC
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
1025	R.C.C. work with cement, coarse sand and 20 mm gauge approved stone ballast in proportion of 1:1.5:3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials, labour, T&P etc required for proper completion of the work		m3	2 50			12,715.80	31,776.78	
151	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.		Qtl	2,50			7,096.00	17,732.90	
OSR 4.3.2.	Centering and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.		sqm	12.81			360.80	4,621.85	
005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	5.40			91.10	491.94	
A,24	Earth		m3	5.40			190.00	1,026.00	
436	Cement/Bag (50 kg) Carting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1.00			7,500.00 682,00	682.00	
Approx Mkt. Rt	Rungs Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works,including applying priming coat of approved steel Total		No kg	3.80			300.00 108.60	1,200.00 412.68 64,497.00	
3001	Tekaur Basti North Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of surplus earth or other dismantled material up to a distance of 50m from the centre of trenches		m3	3.81			184.79	703.74	
005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	0.84			91.10	76.37	
03	Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place. Concrete with 40 mm gauge brick		m3	2,97			216.00	641.52	
011	Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8.4:1) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work.		m3	0.65			3,766.64	2,461.12	

		ja	and the same		FC Portio	n (Yen)	LC Porti	on (INR)	D., e
	ltemi	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
025	R.I., C. work with cement, coarse sand and 20 mm gauge approved atone ballast in proportion of 1;1,5;3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials, labour, T&P etc. required for proper completion of		m3	3.75			12,715.80	47,665 18	
1151	the work Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.		Qrl	3.75			7,096,00	26,599.36	
OSR 4.3.2.	Centering and shuttering including strutting, propping etc. and removal of form work for. Retaining walls, return walls, walls (any thickness) including attached pilasters. buttesses, plinth and string courses fillers, kerbs and steps, etc.		sqm	17.07			360.80	6,158,86	
1005	Filling, dressing and ramming earth or sand or bajir or ballast or kankar or shingle		m3	x 10			91.10	737 91	
И.24	Earth		m3	8 10			190,00	1,539,00	
1.15	Cement/Bag (50 kg)		1	0.81	-		7,500.00	6,075,00	
436	Cutting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1 00			682,00	682.00	
Approx Mkt Rt.	Rungs		No	6.00			300.00	1,800,00	
DSR 10 26.3,	Providing and fixing hand tail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer, G.I. Pipes Total		kg	4.40			108 60	477 84 95,617.90	
			+		-				
3001	Tekaur Basti South Excavation for depth up to 1.5 m below G.L. for laying sewers, manholes, gully pits, chambers, sumps etc. in ordinary soil (earth, sand, loam & clay) including cutting of Joints pits, trimming, dressing, leveling, refilling of trenches in 20cm layers watering and ramming the same including removal of		m3	4,45			184.79	822.32	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	1.15			91.10	104.77	
03	Provision for disposal of surplus earth during construction process beyond municipal corporation limits of suitable place.		m3	3.30			216.00	712.80	
011	Concrete with 40 mm gauge brick ballast, local sand and cement in proportion of (8:4:1) in foundations and floors including supply of all materials, labour, T&P etc. required for proper completion of the work.		m3	0.73			3,766.64	2,734.58	

		Specification		0.	FC Portion (Yen) LC Portion (INR)				Reference
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Keierence
1025	sand and 20 mm gauge approved stone ballast in proportion of 1:1.5:3 in columns excluding supply of reinforcement and its bending but including its fixing and binding the same with 0.50 mm thick binding wire (to be supplied by the contractor) including necessary centering and shuttering, supply of all materials, labour, T&P etc.		щ3	4.17			12,715.80	52,961.31	
1151	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.		Qtl	4.17			7,096.00	29,554.84	
DSR 4 3 2	Centering and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.		sqm	18.49			360.80	6,671.19	
1005	Filling, dressing and ramming earth or sand or bajri or ballast or kankar or shingle.		m3	9.00			91.10	819.90	
M.24	Earth		m3	9.00			190.00	1,710.00	
M.15	Cement/Bag (50 kg)		t	0.90			7,500.00	6,750.00	
2436	Carting & placing of C.I. Manhole heavy duty 500 - 560 mm (clear opening) size.		No	1.00			682.00	682.00	
Approx. Mkt. Rt.	Rungs		No	7.00			300.00	2,100.00	
DSR 10.26.3.	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works including applying		kg	4.60			108.60	499.56	
	Total				-			106,123	
			+						
			+		- 				· · · · · · · · · · · · · · · · · · ·
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LUSS=		JPY

INTERCEPTOR SEWER AND APPURTENANCE WORKS and INTERCEPTION STRUCTURE

		1 . V	One	PC Portio	n (Yen)	LC Porti	on (INR)	D. C	
ltems	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference	
Direct Cost]									
eptic Tank							403,433		
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Sub-Total					0		403,433		
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	To the same of the			0	FC Portio	n (Yen)	LC Porti	on (INR)	n c
	Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Reference
Civil/Building	g work>								
	Septic Tank							0.00	
IPJN_SOR_2014 -15_3001	Earth work in excavation by manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 m2 on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.		m3	72.00			145	10,446.48	
								0.00	
JPJN_SOR_201 4-15_1017	C.C. 20 MM STONE BALLAST, COARSE SAND AND CEMENT 4:2:1.			0.00				0.00	
	a) Raft		m3	9.00				0.00	
	b) Top Slab		m3	9.00				0.00	
	Deduction: Manhole cover		m3	0.16 17.84				0,00	
	Precast (M20)			*/,07				0.00	
	(i) Concrete bracket - 120mm th.		m3	0.09				0.00	
	(ii) Perforated slab - 120mm th.		m3	0.04				0.00	
	(iii) Baffle wall - 75mm th.		m3	0.14				0.00	<u> </u>
			 	0.27				0.00	
			\sqcup	18.11			7363.92	133,328.19	
								0.00	
JSR_2013_4.3.2	strutting, propping etc. and removal of form work for Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc							0.00	
	(i) Raft		m2	60.00				0.00	
	···		+	60.00				0.00	
	(ii) Top slab		m2						
	(iii) Concrete bracket - 120mm th.	 	m2	0.36				0.00	
	(iv) Perforated slab - 120mm th.		m2	0.36				0.00	
	(v) Baffle wall - 75mm th.		m2	0.92				0.00	
				121.64			367	44,690.54	
						<u> </u>		0.00	
IPJN_SOR_2014 -15_1018	R.C.C. WITH CEMENT, COARSE SAND AND 20 MM STONE BALLAST 1:1.5:3 with 4% steel			0.72			10633.88	7,701.31	
			ļ					0.00	
	IST CLASS BRICK-WORK IN 1:6 CEMENT & LOCAL-SAND MORTAR							0.00	
	Main Wall 460 mm thick			16.56	-			0.00	
	Side Wall 460 mm thick			8.83				0.00	
	Partition walli 230mm thick		$oxed{oxed}$	2.21				0.00	
			1	27.60			5,204	143,621.02	
								0.00	
JPJN_SOR_201 4-15_1186	12MM THICK PLASTER WITH CEMENT & LOCAL SAND (1:3) MORTAR.							0.00	
	Internal & External		m 2	72.00				0.00	
			m2	28.80				0.00	
	Bottom raft		m2	60.00				0.00	
				160.80			147.03	23,642.42	
-	C.I Manhole Cover with frame (600 x 600)		No	3.00			1,998.52	5,995.57	
	C. I. Rungs		No.	15.00			258	3,862.50	
	C.I. Valve with Spindle		No.	1.00	+		371	370.80	
	C. I. Vent pipe 100mm dia with		_	3.00	 		710	2,129.01	
	1		Rmt	3,00		1	/10	2,129.01	
	P. V. C. pipe - 100mm dia		Rmt	6.50		1	484	3,146.65	

					FC Portion (Yen)		1,C Porti	on (INR)	
	ltems	Specification	Unit	Qty.	Unit Prige	The state of the s	Unit Price	Amount	Reference
	Gravel Media		m3	1.50			247	370,80	
	Ventilating Column		Nos	1.50	-		10,000	10,000,00	
	Centiming Commit		INOB	-			10,000	403,432.77	
			-					403,432.77	
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Varanasi District 2

	Specification			FC Portic	n (Yen)	LC Portio	on (INR)	Reference	
Items	Specification	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Kelerence	
Direct Cost]									
:Civil/Building work>		—					-		
				1					
[Direct Cost]									
Other works				ļ					
Cost of sewer cleaning equipments, Flu	shing Van	pc	1	ļ			2,000,000.00		
Hiring of Godown and Site Office		pc	1	ļ			2,000,000 00		
Communication & Public Outreach		pc	1				1,000,000		
Environmental and Management Plan	(EMP)	рc	1				1,330,000		
Governance and Accountibility Action	Plan (GAAP)	pc	1	l			2,510,000		
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Sub-Total					0		8,840,000		
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10. Cost Breakdown for Package

Precondition

Common terms for Appraisal

	<u>Nam</u>	e of Local Curre	ncy_	CILAT	7		
	(1)	Yen/\$	US\$ 1 =	INR 105.5	Yen		
	(2)	LC/\$	US\$ 1 =	67.3	INR		
	(3)	Yen/INR	INR 1 =	1.57	Yen		
	Pric	e Escalation					
	(1)	FC	1.6%		LC	3.7%	
	Phys	sical Contingenc	<u>v</u> _				
		Construction	5.0%		Consultant	5.0%	
	Base	Year for Cost I	The same are supplied and some or supplied to		Schedule Start	2016 /4	C
			2016/7		Start	2016/4	End 2024/3
	Billir	ng Rate of Consu	<u>iltant</u>				
		Pro-(A)	FC Yen 3,073,000	LC INR			
		Pro-(B)	0	390,000			
		Supporting Star	ff 0	100,000			
<u>Ot</u> l	hers	<u>i</u>					
	Rate	of Tax					
		VAT	10.0%		Import Tax	15.0%	
	Rate	of Administration	on Cost 5.0%				
	Rate	of Interest Dur	ing Construction				
		Construction	0.30%		Consultant	0.01%	
	Rate	of Commitment	Charges 0.2%				
	<u>Payı</u>		Interest during co	onstruction	and Commitme	nt charge	
	Fisc	al Year	Apr - Mar				

Cost Breakdown for Package

US\$ =yan

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105,5 1.57

	Local	Total
item	INR	yen
Land Acquisition Cost	28,262,000	44,371,340

Construction of Sewer i	onstruction of Sewer Network (Varanasi District 1)						100
item unit			Unit	Price	Cost		Total
	unit	Quantity	Foreign	Local	Foreign	Local	TOLAI
		yen	INR	yen	INR	yen	
Construction of Sewer Network (Varanasi District	LS	1	And the second s	2,748,795,976		2,748,795,976	4,315,609,682
Cost of sewer cleaning equipments, Flushing Van	LS	1	Account of the second of the s	4,050,000		4,050,000	6,358,500
							0
Total					0	2,752,845,976	4,321,968,182

Construction of Sewer I	onstruction of Sewer Network (Varanasi District 2)					借款対象率	100	
		·	Unit	Price	Ca	st	Total	
item	unit	Quantity	Quantity	Foreign	Local	Foreign	Local	illai
	-		yen	INR	yen	INR	yen	
Construction of Sewer Network (Varanasi District	LS	1		4,162,148,430		4,162,148,430	6,534,573,035	
Cost of sewer cleaning equipments, Flushing Van	LS	1		4,050,000		4,050,000	6,358,500	
							0	
Total					D	4,166,198,430	6,540,931,535	

Construction of Sewer	Networ	rk (Varanasi	District 3)		借款対象率			
item uni		nit Quantity	Unit	Price	Co	st	Total	
	unit		unit Quantity	Foreign	Local	Foreign	Locaí	iotai
				yen	INR	yen	INR	yen
Construction of Sewer Network (Varanasi District	LS	1		1,938,347,738		1,938,347,738	3,043,205,949	
Construction of 3.92 MLD pump station	LS	1				0	0	
Cost of sewer cleaning equipments, Flushing Van	LS	1		4,050,000		4,050,000	6,358,500	
							0	
Total					D.	1,942,397,738	3,049,564,449	

Rehabilitation of Dinapu	rand	Bhaguanpui	r STP			借 款対 象 率	100
			Unit	Unit Price		Cost	
item	unit	Quantity	Foreign	Local	Foreign	Local	Total
			уеп	INR	yen	INR	yen
Rehabilitation of DInapur STP (Civil work)	LS	1		96,019,852		96,019,852	150,751,167
Rehabilitation of DInapur STP (Mechanical work)	LS	1		300,757,200		300,757,200	472,188,804
Rehabilitation of DInapur STP (Electrical work)	LS	1		71,948,500		71,948,500	112,959,145
Rehabilitation of Bhaguanpur STP (Civil	LS	1		12,012,407		12,012,407	18,859,479
Rehabilitation of Bhaguanpur STP	LS	1		47,757,420		47,757,420	74,979,149
Rehabilitation of Bhaguanpur STP (Electrical	LS	1		26,367,100		26,367,100	41,396,347
10 years of O&M cost	LS	1				0	0
							0
Total					0	554,862,479	871,134,091

Construction of Ramnar STP

借款対象率

100

item		Quantity	Unit Price		Cost		Total
	unit		Foreign	Local	Foreign	Local	rotai
			yen	INR	yen	INR	yen
Construction of Ramnar STP (Civil work)	LS	1		730,989,869		730,989,869	1,147,654,095
Construction of Ramnar STP (Mechanical work)	LS	1		208,657,320		208,657,320	327,591,992
Construction of Ramnar STP (Electrical work)	LS	1		20,030,142		20,030,142	31,447,323
10 years of O&M cost	LS	1				٥	0
Cost of sewer cleaning equipments, Flushing Van	LS	1		1,000,000		1,000,000	1,570,000
Total					0	960,677,331	1,508,263,410

Constrcution of STP and Sewer network in Ramnagar 借款対象率 100 Unit Price Cost Total Local Quantity Foreign Foreign Local item unit INR INR ven yen yen Construction of Ramnagar 1 126,064,192 126,064,192 197,920,781 STP (Civil work)
Construction of Ramnagar LS 1 60,105,440 60,105,440 94,365,541 STP (Mechanical work) Construction of Ramnagar 29,895,440 LS 1 29,895,440 46,935,841 STP (Electrical work)
Constrcution of 3 Pump LS 1 69,354,031 69,354,031 108,885,828 stations in Ramnagar Construction of sewer LS 1 6,294,904 6,294,904 9,882,999 network
Cost of sewer cleaning 800,000 1,256,000 LS 1 800,000 equipments, Flushing Van 10 years of O&M cost LS 0 Total 292,514,007 459,246,990

River purification						借款対象率		
			Unit I	Unit Price		Cost		
item	unit	Quantity	Foreign	Local	Foreign	Local	Total	
		Ì	yen	INR	yen	INR	yen	
Installation of River purification device etc	LS	1		100,000,000		100,000,000	157,000,000	
Total					0	100,000,000	157,000,000	

CTC construction in	Varanasi			100			
			Unit Price		Cost		Total
item	item unit	Quantity	Foreign	Local	Foreign	Local	TOTAL
			yen	INR	yen	INR	yen
Construction of CTC	LS	1		134,932,000		134,932,000	211,843,240
Total					D	134,932,000	211,843,240

借款対象率 100 Supporting activities Unit Price Cost Total item unit Quantity Foreign Local Foreign Local yen INR yen INR yen Communication & Public LS 1 10,500,000 10,500,000 16,485,000 Outreach in Varanasi D1-3 Communication & Public LS 1 1,000,000 1,000,000 1,570,000 Outreach in Ramnar Communication & Public 1,570,000 1 LS 1,000,000 1,000,000 Outreach in Ramnagar Environmental and LS 1 3,000,000 3,000,000 4,710,000 Management Plaл (EMP) ir Environmental and LS 1 1,000,000 1,000,000 1,570,000 Management Plan (EMP) in Environmental and 1,500,000 1 LS 1,500,000 2,355,000 Management Plan (EMP) in 18,000,000 Total 28,260,000

Institutional development		借款対象率	100
	Unit Price	Cost	Total

item	unit	Quantity	Foreign	Local	Foreign	Local	I Otal
			yen	INR	yen	INR	yen
Governance and Accountability Action Plan	LS	1	**************************************	6,000,000		6,000,000	9,420,000
Governance and Accountability Action Plan	L3	1		1,000,000		1,000,000	1,570,000
Governance and Accountability Action Ptan	LS	1		1,000,000		1,000,000	1,570,000
Total					0	8,000,000	12,560,000

MIS 借款対象率

IVIIS				[H7/A] DC4-				
	The state of the s	a migration - copper of past-control of the copper of the complete of a subject to the	Unit	Price	Co	st	Total	
item	unit	Quantity	Foreign	Local	Foreign	Local	TOTAL	
		yen	INR	yen	INR	yen		
Management Information System	LS	1		149,570,000		149,570,000	234,824,900	
							0	
					and all all the second of the		0	
							0	
							0	
Total					0	149,570,000	234,824,900	

Power Connection & Allied Work-Ramnagar 借款対象率

			Unit I	Unit Price		Cost	
item	unit	Quantity	Foreign	Local	Foreign	Local	Total
1			yen	INR	yen	INR	yen
Power Connection & Allied Works - Ramnagar STP	LS	1		67,380,000		67,380,000	105,786,600
Total					0	67,380,000	105,786,600

Power Connection & Allied Works-Ramnar 借款対象率

	}		Unit	Price	Co	st	Total
item	unit	Quantity	Foreign	Local	Foreign	Local) Otal
			yen	INR	yen	INR	yen
Power Connection & Allied Works - Ramnar STP	LS	1		38,127,000		38,127,000	59,859,390
Total					0	38,127,000	59,859,390

Implementation Schedule 2017 2020 2021 2021 2022 2016 2018 2010 2023 Month Appraisal Pledge Signing of Loan Agreement 0 0 0 Consulting Services 0 12 Selection of Consultant Package 1 Construction of Sewer Network (Varanasi District 1) (1) Detailed Design 1) Survey for Sewer Network - Toposurvey - Reporting 2) Detailed Design 2 3) Cost Estimation 4 4) Bid document for the Package 0 (2) Bidding for package 3 1) PQ(up to evaluation and contract) 12 2) Bid(tender call to contract) 30 (3) Construction supervision 12 (4) Defect Notification Period (5) Final Contract Administration 0 Package 2 0 2. Construction of Sewer Network (Varanasi District 2) 0 (1) Detailed Design 0 1) Survey for Sewer Netwrok 4 - Toposurvey - Reporting 6 2) Detailed Design 2 3) Cost Estimation 4 4) Bid document for the Package 0 (2) Bidding for package 1) PQ(up to evaluation and contract) 12 2) Bid(tender call to contract) 30 (3) Construction supervision 12 (4) Defect Notification Period 3 (5) Final Contract Administration 0 0 Package 3 0 3. Construction of Sewer Network (Varanasi District 3) 0 (1) Detailed Design 0 1) Survey for Sewer Netwrok 4 Toposurvey Reporting 6 2) Detailed Design 2 3) Cost Estimation

Implementation Schedule 2016 2018 Month 4) Bid document for the Package 0 (2) Bidding for package 1) PQ(up to evaluation and contract) 2) Bid(tender call to contract) 12 30 (3) Construction supervision (4) Defect Notification Period 12 (5) Final Contract Administration THILL 0 Package 4 4. Rehabilitation of Dinarpur and Baghuanpur STP 0 (1) Detailed Design 1) Survey for STP site 0 - Toposurvey - Reporting 2) Detailed Design 3) Cost Estimation 2 4) Bid document for the Package (2) Bidding for package n 1) PQ(up to evaluation and contract) 2) Bid(tender call to contract) 12 74 (3) Construction supervision (4) Defect Notification Period 12 (5) Final Contract Administration Package 5 5. Construction of Ramnar STP 0 (1) Detailed Design Ð 0 1) Survey for STP site - Boring survey - Toposurvey 2 - Reporting 2) Detailed Design 3) Cost Estimation 4) Bid document for the Package Æ 0 (2) Bidding for package 1) PG(up to evaluation and contract) 12 2) Bid(tender call to contract) 30 (3) Construction supervision 12 (4) Defect Notification Period (5) Final Contract Administration 0 Package 6 0 6. Construction of STP and Sewer in Ramnagar 0 (1) Detailed Design 0 1) Survey for Sewer Network - Toposurvey - Reporting 2) Detailed Design 3) Cost Estimation 4) Bid document for the Package

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Implementation Schedule

implementation Schedule	· · · · · · · · · · · · · · · · · · ·								
	2016	2017	2018	2019	2020	2021	2022	2023	Month
Rehabilitation of Dinapur and Bhaguanpur STP	0	0	0	0	12	12	() () () () () () () () () ()	0	24
onstruction of Ramnar STP	0	0	D 	0	12	12	6	0	30
onstrcution of STP and Sewer network in Ramnagar	0		0		12	12	6	0	30
iver purification					12	12		2111111111	24
TC construction in Varanasi	1111111111			O LINE I THE L	12	12	0	0	24
upporting activities				11111111111	12	12	6	0	30
nstitutional development				0	12	12	6	0	30
IIS			0	0	0	0	111111111111	0	0
ower Connection & Allied Work-Ramnagar				0	11111111111	0	Manual Hall		6
Power Connection & Allied Works-Ramnar	1111111111		2111211111	0	0	0.	6	1111111111111	6

Cost Breakdown for the Consulting Services

US \$ = ven 105.5 INR 1.57 = yen Combined Local Portion Total Foreign Portion (Yen) INR Rate ('000') Amount Unit Qty. Rate Amount (0000) ('000)Yen Remuneration 565,432 M/M 184 3,073,000 565,432 0 0 1 Professional (A) 390,000 306,540 481,268 2 Professional (B) M/M 786 0 0 100,000 114,453 3 Supporting Staffs M/M 729 0 72,900 565,432 379,440 1,161,153 Subtotal of A 0 B Direct Cost 0 405,150 53,885 19,615 2,609 57,981 1 International Airfare Trip 133 7,945 258 5,061 2 Domestic Airfare Trip 0 19,615 Domestic Travel (train ticket) Trip 128 0 6,650 851 1,336 3 Accommodation Allowance Month 184 0 117,000 21,528 33,799 Month 786 0 100,000 78,600 123,402 50,000 36,450 57,227 729 Month 0 5.472 8,591 4 Vehicle Rental -sedan x 3 Month 171 0 32,000 Vehicle Rental - vanx3 Month 171 0 55,000 9,405 14,766 0 9,405 14,766 5 Office Rental M/M 57 165,000 3,135 M/M 0 4,922 6 International Communications 57 55,000 M/M 0 20,000 1,140 1,790 7 Domestic Communications 57 8 Office Supply M/M 57 0 25,000 1,425 2,237 9 Office Furniture and Equipment 0 10,000,000 10,000 15,700 LS Month 30 90,000 141,300 10 Report Preparation 0 3,000,000 11 Survey, water quality and other Lumpsu 0 75,000 225 353 3 0 12 0 0 0 0 0 13 14 0 0 0 0 0 0 0 0 0 486,115 Subtotal of B 53,885 275,306 1,647,268 654,746 Total 619,317

Pro-A Foreign Staff 1 Project Manager-Team Leader 2 Resident Construction SV Manager-1 (P1-P-2) 3 Resident Construction SV Manager-2 (P5-P-2) 4 Civil Expert-Sewer Network-1 5 Civil Expert-Sewer Network-2 6 Civil Expert-STP-1 7 Civil Expert-STP-2 3 Mechanical Expert-1 9 Machanical Expert-2 10 Electrical Expert-1 1 Electrical Expert-2	F/C Yen	4 5 6 7 8 9 10 11 12 1 2 3	4 5 6 7 8 9 10 11 12 1 2	2018	4 5 6 7 8 9 10 11 12 1 2 3			4 5 6 7 8 9 10 11 12 1 2 3	4 5 6 7 8 9 10 11 12 1 2 3
1) Project Manager-Tagem Leader 2 Resident Construction SV Manager-1 (P1-P-3 Resident Construction SV Manager-2 (P5-P) 4) Civil Expert-Sewer Network-1 5) Civil Expert-Sewer Network-2 6) Civil Expert-STP-2 7) Civil Expert-STP-2 8] Mechanical Expert-1 9] Mechanical Expert-2 10] Electrical Expert-1 11] Electrical Expert-1 11] Electrical Expert-1 12] SCADA and instrumentation & Controls Exp	3073000 0 3073000 0 3073000 0 3073000 0 3073000 0 3073000 0								
2 Resident Construction SV Manager-1 (P1-P2 3 Resident Construction SV Manager-2 (P5-P) 4 Civil Expert-Sewer Network-1 5 Civil Expert-Sewer Network-2 5 Civil Expert-STP-2 7 Network-1 7 Mechanical Expert-1 9 Mechanical Expert-1 10 Electrical Expert-1 11 Electrical Expert-1 11 Electrical Expert-1 12 SCADA and instrumentation & Controls Exp	3073000 0 3073000 0 3073000 0 3073000 0 3073000 0								
3. Resident Construction SV Manager 2 (P5-P1 4 Civil Expart-Sever Network-1 5 Civil Expart-Sever Network-2 6 Civil Expart-STP-1 7 Civil Expert-STP-2 8. Mechanical Expart-1 9. Machanical Expart-2 10. Electrical Expert-1 11. Electrical Expert-1 12. SCADA and instrumentation & Controls Exp	3073000 0 3073000 0 3073000 0 3073000 0				1 1 1 1 1 1 1 1	1 3 1 1 1 1 1 1 1 1	3 3 3 3 3 3 3 3 3 3 3	1 1 1 1 1 1	1 1 1
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Pro-B Local Staff Deputy Project Manager (Deputy Team Leas	0 390000			11111111111					
Senior Construction SV Manager -1 (P1-P4)	0 390000			4.1.1 1,1 1,1 1,1 1	11	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	COURSE BURNES	115 1 1 5 1 5 1 1 1
Senior Construction SV Manager - 2 (P5-P7)	0 390000				1 1	111111111111	11111111111	80 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 4 5 5 5 5 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6
Senor Sewerage Engineer - No.1 Senor Sewerage Engineer - No.2	0 390000		++-	1111111111	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 7 1 1 1		
Sewer Network Engineer - No.1	0 390000			1111111111	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	11111		2 82 13 1 10 11
Sewer Network Engineer - No.2 Process Engineer - No. 1	0 390000 0 390000			11111111111	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1		
Process Engineer - No. 2	0 390000		· · · · · · · · · · · · · · · · · · ·	11,1,11,1111	1 1 1 1 1 1			articles and marrie	
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Cost Estimation Specialist/Quantity Surveyo Survey Specialist	0 390000			1111		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Hydraulic Analysis Specialist	0 390000			1 1 1 1 1 1 1 1 1		1 1			
Contract Specialist Sociologist	9 390000 0 390000	<u> </u>		1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		CONTRACTOR OF THE PARTY OF THE	
Institutional Expert	0 390000			1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1	1111111	111111111111111111111111111111111111111	
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Support Design Engineer - No 3 - Civil	0 390000			1 1 1 1 1 1 1		11111111111		3 3 3 3 3 5 5 6 6 6	
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[Total of Pro-A] [Total of Pro-B]		0	0	75 149	34 136	28 176	25 170	18 125	10
[Total of Pro-A+Pro-B]		0	1 0	224	170	204	195	143	34
Total Cost of FC for Each Month(Pro-A)		0	0	230 4"5 000	104 482,000	86 044.000 0	76,525,000	55.314,000	12,252,000 5
Total Cost of FC for Each Month(Pro-B) Total Cost of LC for Each Month(Pro-A)		Ö	0	0	0	0	0	0	
Total Cost of LC for Each Month(Pro-B)		0	0	58 110 000	53.040.000	58.540.000	66	50,000	Constitution 5's
Supporting Staff	0 0								
Draftman (1) - Sewer Network	0 100000			1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	11111111111	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	111111111
Draftman (2) - Sewer Network Draftman (3) - STP	0 100000			1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	111111111	1 2 2 1 3 3	
Draftman (4) - STP	0 100000			1111111111111					
Support Engineer - (1) Support Engineer - (2)	0 100000 0 100000			1111111111111		1 1 1 1 1 1 1 1 1 1 1 1 1	11111111		det interinter
Support Engineer - (2) Support Engineer - (3)	0 100000					1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	111111	
Support Engineer - (4)	0 100000					1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	
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Support Engineer - (7)	0 100000					111111111111		1 1 1 1 1	
Administractive Staff									
Office Manager	100000			111111111111	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1	111111111111	11111111111	1 1 1 1 1 1 1 1 1
Secretary (1)	0 100000 0 100000			1111111111111	1111111111111	1111111111111		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1
Accountant (1) Office boys	0 100000			1 1 1 1 1 1 1 1 1 1 1 1 1	11111111111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	111111111111	1 1 1 1 1 1 1 1 1
IT and Data Management Personnel s	0 100000			11111111111				1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
[Total of Supporting Staff]	0 0	0	0	120	84	168	168	126	63
Total Cost of LC for Each Month(SS) Grand Total		0	ő	12,000,000	8,400,000 254	15,800,000 372	16,800,000	*2,600,000 269	6,300,000 7 97

Annural Distribution of Cost

Item	Ţ	Total			2016			2017			2018			2019			2020			2021			2022			2023	
	FC	LC	Total	FC	LC	Total	FC	LC	Total	FC	LC	Total	FC	LC	Total	FC	LC	Total	FC	L.C	Total	FC	LC	Total	FC	LC	Total
Construction of Sewer Network (Varanasi District 1)	100%	100%	0%	0%	0%		0%	0%		0%	0%		0%	0%		40%	40%		40%	40%		20%	20%		0%	0%	
Construction of Sewer Network (Varanasi District 2)	100%	100%	0%	0%	0%		0%	0%		0%	0%		0%	0%		40%	40%		40%	40%		20%	20%		0%	0%	
Construction of Sewer Network (Varanasi District 3)	100%	100%	0%	0%	0%		0%	0%		0%	0%		0%	0%		40%	40%		40%	40%		20%	20%		0%	0%	
Rehabilitation of Dinapur and Bhaguanpur STP	100%	100%	0%	0%	%0		0%	0%		0%	0%		0%	0%		50%	50%		50%	50%		0%	0%		0%	0%	
Construction of Ramnar STP	100%	100%	0%	0%	0%	Ī	D%	0%		0%	0%		0%	0%		40%	40%		40%	40%		20%	20%		0%	0%	
Construction of STP and Sewer	100%	100%	0%	0%	0%		0%	0%		0%	0%		0%	0%		40%	40%		40%	40%		20%	20%		0%	0%	
River purification	100%	100%	0%	0%	0%		0%	0%		0%	0%		0%	0%		50%	50%		50%	50%		0%	0%		0%	0%	
CTC construction in Varanasi	100%	100%	0%	0%	0%		0%	0%		0%	0%		0%	0%		50%	50%		50%	50%		0%	0%		0%	0%	
Supporting activities	100%	100%	0%	0%	0%		0%	0%		0%	0%		0%	0%		40%	40%		40%	40%		20%	20%		0%	0%	
Institutional development	100%	100%	0%	0%	0%		0%	0%		0%	0%		0%	0%		40%	40%		40%	40%		20%	20%		0%	0%	
MIS	0%	0%	0%	0%	0%		0%	0%		0%	0%		0%	0%		0%	0%		0%	0%		0%	0%		0%	0%	
Power Connection & Allied Work- Ramnagar	100%	100%	0%	0%	0%		0%	0%		0%	0%		0%	0%		0%	0%		0%	0%		100%	100%		0%	0%	
Power Connection & Allied Works- Ramnar	100%	100%	0%	0%	0%		0%	0%		0%	0%		0%	0%		0%	0%		0%	D%		100%	100%		0%	0%	
Land Acquisition					0%		ll	0%	L		100%			0%			0%		i	D%	l	<u> </u>	0%	L		0%	
Consultant	100%	100%	100%	0%	0%	0%	0%	0%	0%	39%	20%	27%	18%	17%	17%	16%	22%	20%	14%	21%	19%	10%	16%	14%	2%	4%	3%

Annual Fund Requirement
Base Year for Cost Estimation:
Exchange Rales
Price Escalation:
Physical Contingency Jul, 2016 INR = Yen FC: 5% FC & Total: million JPY LC million INR 1.57 LC: 3,7% 1.6%

Item		Total			2016			2017			2018			2019	0.00		2020			2021			2022	
	FC	LC	Total	FC	LC	Total	FC	LC	Total	FC	LC	Total	FC	LC I	Total	FC	LC	Tetal	FC	LC	Total	FC	LC I	Total
ELIGIBLE PORTION											1200													
Procurement / Construction	0	13,656	21,443	0	0	. 0	0	0	0	. 0	0	Û	0	. 0	0	0	5,405	8,485	0	5,805	8,776	G.	2,643	4,35
Construction of Sewer Network (Varanasi District 1)	0	2,753	4,322	0	0	0	0	0	0	9	.0	C)	2	1 0]	0	0	1,101	1,72	0	1,101	1,723	D	551	86
Construction of Sewer Network (Varanasi District 2)	0	4,166	6,541,	0	0	0	0	0	0	0	0	0	2	- 2	0	0	1,688	2,615	Q	1.696	2.810	0	B33	130
Construction of Sewer Network (Varanasi District 3)	0	1,942	3.050	0	0	0	0	0	2	0	.0	0	5	:0	9	0	777	1,220	G G	777	1,220	6	330	61
Rehabilitation of Dinapur and Bhaguanpur STP	0	555 961	871	0	0	0	0	0		Û	- 5		5	0	0	D	277	436		277	436	0	0	
Construction of Ramnar STP	0	961	1,508	0	Ö	0	0	0	0	9	2	n	- 5	3	0	D	384	603	6	384	603	6	192	30
Constriction of STP and Sewer network in Ramnagar	0	293	459	0	0	0	0	0	2	C	0	5		0	0	0	117	184	0	117	184		50	9
River purification	0	100	157	0	0	0	0	0	Ô	9	0	10	5	- 2	- B	D	50	79	0	50	79			-
CTC construction in Varanasi	0	135	212	Ö	(C	0	0	C	0	0	ŋ	2	- 0	0	0	0	67	106	C	67	108		c)	
Supporting activities	0	18	28	0	0	0	. 0	0	0	9	0	- 5	0	0	0	0	7	11	0	7	11		-	
Institutional development	0	8	13	0	0	0	0	0		- 0	0	- 5		0	0	0	3	5	D	7		0	2	
Base cost for JICA financing	0	10,930	17,161	0	0	0	0	0	n	n	0	-	7.	0	0	0	4,451	6888	- 6	4,451	6.988		2,025	3.11
Price escalation	0	2,077	3,261				0	0			0	0	-		0	0	696	1,093	- 0	E317	1,392		494	77
Physical contingency		650	1,021	n			n	0			0	- 0			- 0	- 0	257	404	-	267	413	- 4	126	19
Consulting services	687	798	1,940	n			0	0		263	151	500	-	-	327	109	174		100		373	72		
Base cost	619	655	1,647	n	0		n	0	-	-	134					971	143	322	88		305			
Price escalation	35	106	201	0		1 0	0	0		243	10	24				61	22		90	28	51			4
Physical contingency	33	38	92	0		0	0	0	C	13		24		111	16	5	44	18	5		58			- 5
al (I+II)	687	14,456	23,393	0	0	0	0	В	0		151			0		109	5,579		100		9,173		60	
NON ELIGIBLE PORTION		14,430	25,555				- 0			200	1911	300	125	128	321	103	3,3(3)	5,606	100	5,779	3,163	73	2.781	4.40
Procurement / Construction		138	216	D			0	0	D	0	0	n				- 01			- 0				-	-
MIS	- 0	150	235	0		0	0	D		- 0	- 0	- 0			0		9	- 0	- 0	0		- 0	136	
Power Connection & Allied Work-Ramnagar		67	106			- 0		0			U	- 5	3	0	0	0	- 0	- 0	- 0	- 9	- 0	- 0	- 0	
Power Connection & Allied Works-Ramnar		38	60				Ű		- 9	3	- 0		0	2	0	0	0	- 9	0	G	- Ci	0	67	10
Base cost for JICA financing	- 0	106	166	- 0	- 0	- 0	0	0	- 5		U	- 9	ų.		0	G	- 0	01	- 0	- 0	- Ci	U	38	. 0
Price escalation				- 0	· ·		U.	U			U	. 0		0		0	- 0		B	- 0	- E		108	18
Physical contingency		26	40	0		U	0	0	0	<u>0</u>	9	2		0)		0	0	0	- 0	0	C	D	26)	4
			10				0	0	C	C	9	31	0			0	- 0	01	0	0	C	- 0	7	1
Land Acquisition	0	32	50	0	- 0		0	0	0	. 0	321						0	D	- 0	0	. 0	- 2	0	
Base cost	0	28	44				0	-		0	29	44			-	6	0	0	0	0	- 0	0	0	
Price escalation	0	2	3	0	0	-	0	0		G	2	3	5		0	0	0	-	0	-	0	- 0	0	
Physical contingency	0	2	. 2		- 0		0	0		0	2	2			0	D	0	-	0	-	0	0	- 01	
Administration cost	0	753	1,182	0				-		-	- 10	-		101	-	0	282	-	0	252	450	- 0	143	2
VAT	0	0	0	0	0	-	0	-			0					D	0	07	0	- 0	- 0	0	0	
Import Tax	0	D	0	0	0	-	0		-	0	0			- M		0	0	0	0	0	9	6	01	
tai (a+b+c+d+e)	0	923	1,449	- 0	0		0	0		0	49	78				0	282			282	453		286	- 64
TAL (A+B)	687	15,379	24.832	0	- 0	0	0	0	5	263	200	578	125	1 1391	343	1098	5,861	9,311	100	6,071	9,631	730	3,067	4,81
Interest during Construction	207		207					2	0		0			0	0	26		26	52		52	65		- 0
Interest during Construction(Const.)	207	- 0	207	0				2			7	*				25		25	52		52			
Interest during Construction (Consul.)	200	<u>u</u>	206	0	3	0	U	0		0		- 0	0			- 0		5	5/2		5.0	64		
Commitment Charge	27.1	- 0	374	47		47	47	0		47	Q	47		-		47	- 0	47	47		42	-		
	374	0										-			-								-	4
RAND TOTAL (A+B+C+D)	1,268	15,379	25.413	47	0	47	47	0	47	310	200	625	172	139	390	181	5,881	9,383	198	8,071	9,730	194	3,057	5,000

	Foreign	Currency	Portion	Local C	urrency	Portion		Total	al product
Breakdown of Cost		JICA			ЛСА			ЛСА	
	Total	Portion	Others	Total	Portion	Others	Total	Portion	Others
Construction of Sewer Network (Varan	0	0	0	2,753	2,753	0	4,322	4,322	0
Construction of Sewer Network (Varan	0	0	0	4,166	4,166	0	6,541	6,541	0
Construction of Sewer Network (Varan	0	0	0	1,942	1,942	0	3,050	3,050	0
Rehabilitation of Dinapur and Bhaguan	0	0	0	555	555	0	871	871	0
Construction of Ramnar STP	0	0	0	961	961	0	1,508	1,508	0
Constrcution of STP and Sewer networ	0	0	0	293	293	0	459	459	0
River purification	0	0	0	100	100	0	157	157	0
CTC construction in Varanasi	0	0	0	135	135	0	212	212	0
Supporting activities	0	0	0	18	18	0	28	28	0
Institutional development	0	0	0	8	8	0	13	13	0
MIS	0	0	0	150	0	150	235	0	235
Power Connection & Allied Work-Ran	0	0	0	67	0	67	106	0	106
Power Connection & Allied Works-Ra	0	0	0	38	0	38	60	0	60
Price Escalation	0	0	0	2,103	2,077	26	3,301	3,261	40
Physical Contingency	0	0	0	657	650	7	1,031	1,021	10
Consulting Services	687	687	0	798	798	0	1,940	1,940	0
Land Acquisition	0	0	0	32	0	32	50	0	50
Administration Cost	0	0	0	753	0	753	1,182	. 0	1,182
VAT	0	0	0	0	0	0	c c	ol a	0
Import Tax	0	0	0	0	0	0	0	o c	0
Interest during construction	207	0	207	d	ol o	0	207	' C	207
Commitment Charge	374	0	374	C	C	0	374	(374
Total	1,268	687	581	15,528	14,456	1,072	25,648	23,383	2,265

Breakdow n of Cost	Total	JICA Portion	Others
2016	47	0	47
2017	-17	0	47
2018	625	500	124
2019	390	327	63
2020	9,383	8,868	516
2021	9,730	9,173	557
2022	5,000	4,440	. 5 <i>6</i> 0
2023	190	75	115
Total	25,413	23,383	2,030

