	WORKS CONTRACTING DEPARTMENT , BHEL BHOPAL	Page 1 of 23
	NIT : 33800104	REV. 00

NOTICE INVITING TENDER (OPEN TENDER)

1. TITLE OF WORK: Works contract for housekeeping/cleaning of various Building, Annexes, offices, shop floor toilets & office toilets including roads, plinth protections, footpaths and parking sheds inside factory area.

BHEL, a schedule “A” Maharatna CPSE of Govt. of India, is an integrated power plant manufacturer and one of the largest engineering and manufacturing company of its kind in India engaged in the design, engineering, manufacture, construction, testing, commissioning and servicing of a wide range of products and services for core sectors of the economy, viz. Power, Transmission, Industry(cement, fertilizers), Transportation (Railways), Renewable energy, Oil & Gas, Water and Defense with over 180 products offerings to meet the needs of these sectors.

Works Contracting Department (WCD), BHEL Bhopal invites tender on two part basis (Part – I, Techno commercial Bid & Part – II, Price Bid) from reputed, experienced and financially sound firm.


2. Scope of Work:-

I. Housekeeping/cleaning of various Building, Annexes, offices, shop floor toilets & office toilets including roads, plinth protections, footpaths and parking sheds inside factory area as indicated in ANNEXURE-III and ANNEXURE-IV. The activities of cleaning work shall generally be carried out in 1st shift/general shift as per the prescribed frequencies by deploying the workmen, supervisors as per clause 3(I to VI). Detailed of activities/sub-activities to be performed and their frequencies are mentioned in Annexure-II. However, depending upon requirement, working hours may be changed/ altered by BHEL and if required. Further, activities of removal of dead animals, eviction of unwanted stray animals shall also be carried out as and when needed.

Consumables for the cleaning work will be free-issue materials by BHEL.

II. Collection of all sort of saleable scrap lying scattered at places not owned by any product/service group and disposal of same at SDX using deployment trucks/tractors/dumpers and Miscellaneous civil activities such as dozing / levelling of ground, loading, transportation and unloading of scrap / waste materials, other earth work etc. with BHEL's earth moving machines such as D-50 dozer (1 no), shovel (1 no), tractor (1 no.) and dumper (2 nos) through deployment as per clause 3(VII to VIII) per shift of 8 hours daily or as per requirement and instruction of Engineer-in-charge excluding cost of consumables such as high speed diesel, Mobil oil, engine oil, Gear oil, clutch oil etc., which shall be supplied free of cost by BHEL and also excluding repair and maintenance of these machines which are in the scope of BHEL. The work shall be carried out at various locations.

Note:- The driving personnel's engaged by the contractor shall take care of allied activities such as cleaning of vehicles, reporting of defects/problems faced during driving, the vehicle's routine check-up such as checking water level, tyre pressure, oil level etc. Nothing extra shall be payable to the contractor for such allied activities over and above his quoted rates.

	WORKS CONTRACTING DEPARTMENT , BHEL BHOPAL	Page 2 of 23
	NIT : 33800104	REV. 00

3. Quantity : : Total quantity is as below :


Sl. No	Description	Freq. of activity	Effective Area in sq. mtr. (location details are as per annexure-III)	Man days for 303 days
I.	Building, offices and Annexes	Daily	85180	15756 – Workers (Unskilled) 606 - Supervisor (Skilled)
II.	Shop floor toilets	Daily	1874	
III.	Toilets of Building, offices and Annexes	Daily	2400	
IV.	Various roads spread over the factory area	Fortnightly	4576	
V.	Plinth protection & footpath spread over the factory area	Fortnightly	27000	
VI.	Parking area spread over the factory area	Fortnightly	34780	
VII.	Collection of all sorts of saleable scrap lying scattered at places not owned by any product/service group	Daily	-----	1212- Workers (Unskilled)
VIII.	Driver for operating earth moving machines/vehicles for collection and disposal of assorted scrap/garbage etc.	Daily	-----	909 – Driver (Skilled)

***Role of Supervisor :** Role of supervisor will be allocation and supervision of work.

The quantity indicated is tentative and may increase or decrease during the course of the contract period. This variation is expected to be about plus (+) 25% to minus (-) 25%.

4. Splitting of order : The above quantity shall be split into (N-1) bidders, to a maximum three bidders, where N is no of techno-commercially qualified bidders,. Distribution shall be done as follows: -

	Description	Area in sq. mtr. (location details are as per annexure-IV)	Man days for 303 days
L1 (As per ANNEXURE-III)	Building, offices and Annexes	50825.23	9696 - Workers (Unskilled) 303 – Supervisor (Skilled)
	Shop floor toilets	1115.56	
	Toilets of Building, offices and Annexes	1431.13	
	Various roads spread over the factory area	39838	
	Plinth protection & footpath spread over the factory area	16253	

	WORKS CONTRACTING DEPARTMENT , BHEL BHOPAL	Page 3 of 23
	NIT : 33800104	REV. 00

	Parking area spread over the factory area	20767	
L2 (As per ANNEXURE-IV)	Building, offices and Annexes	30293.95	6060- Workers (Unskilled) 303 – Supervisor (Skilled)
	Shop floor toilets	757.78	
	Toilets of Building, offices and Annexes	968.64	
	Various roads spread over the factory area	19650	
	Plinth protection & footpath spread over the factory area	10746	
	Parking area spread over the factory area	14012	
L3	Collection of all sorts of saleable scrap lying scattered at places not owned by any product/service group	-----	1212- Worker (Unskilled)
	Driver for operating earth moving machines /vehicles for collection and disposal of assorted scrap as per clause 2(II)	-----	909 – Driver (Skilled)

L1 bidder rate shall be counter offered to other bidders in order of merit. If no bidder accepts Counter Offer rate, entire quantity shall be awarded to L-1 bidder.

5. Evaluation of the offer :

5.1 Deciding L1 firm :- The L1 bidder shall be decided on sum of total offered price to BHEL on overall cost basis.

In the course of evaluation, if more than one bidder happen to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 bidders in sealed envelope.

In case more than one bidder happen to occupy L-1 status, even after soliciting discounts, the L-1 bidder shall be decided by a toss/draw of lots, in the presence of the respective L-1 bidder(s) or there representative(s).

Ranking will be done accordingly. BHEL's decision in such situations shall be final and binding.

5.2 No condition or deviations should be asked for in price bid.


5.3 The rate quoted by bidders, inclusive of all charges and applicable taxes, duties except GST of the Price Bid format, shall be considered for evaluation of rate. **No loading of price with regard to preferential payment within 45 days will be done for the bidders covered under MSMED act."**

5.4 If the bidder deliberately gives wrong information in his tender, BHEL reserves the right to reject such tender at any stage or to cancel the contract, if awarded and forfeit the Security Deposit.

6. Pre Qualification Requirement/ Qualification Criteria :

(A) Statutory Requirement :

- PF Certificate
- ESI Certificate

	WORKS CONTRACTING DEPARTMENT , BHEL BHOPAL	Page 4 of 23
	NIT : 33800104	REV. 00

c. Income tax PAN No.

d. GSTIN

(B) Experience criteria : Experience of Similar Works (Similar Works means cleaning/housekeeping in industrial establishment or Govt./Public sector organization) during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:-

Three successfully completed similar works costing not less than the amount equal to **Rs. 17.17 lakh each or 4000 man days each.**

OR

Two successfully completed similar works costing not less than the amount equal to **Rs. 21.46 lakh each or 5000 man days each**

OR

One successfully completed Similar works costing not less than the amount equal to **Rs. 34.33 lakh or 8000 man days.**


(C) Average Annual Turnover :

Average Annual financial turnover during the last 3 years, ending 31st March of 2019

(Average of previous financial years 2017, 2018, 2019), should be at least **Rs. 12.88 lakh.**

***Note :-**

- All the above conditions should be met by bidder firm only, not by any associate firm. The bidding firms shall submit the work order copies & its completion certificates to prove the desired experience. Only the firms meeting the above requirements shall be qualified technically for further processing of tender.
- If both value or mandays are mentioned then whichever meet the qualification criteria shall be considered.
- The value or mandays of number of work orders allocated against same enquiry to a contractor will be considered as single work order value or mandays for qualifying purpose.
- Those contractors who have worked in other PSUs / Govt. / Semi-Govt. / reputed Public companies for cleaning/housekeeping works should submit documents with respect to experience as below:
Enclose copy of work order and work completion certificate clearly indicating WO ref, date, duration of work and the nature of work done. The work completion certificate should be verifiable and contact details of signing authority must be provided. In case BHEL desires to verify the document, responsibility lies with the bidder to get it verified to the full satisfaction of BHEL. Otherwise BHEL reserves the right to reject the tender and no claim or correspondence shall be entertained in this regard.
- Experience certificate of any Private organization, in addition to the requirements as in (iv) above, must be supported by CA certification in "ANNEXURE-I" below.
- For consideration of running work order, the value completed on last day of month, previous to the one in which applications are invited will be considered based on certification of executing authority.

	WORKS CONTRACTING DEPARTMENT , BHEL BHOPAL	Page 5 of 23
	NIT : 33800104	REV. 00

- vii. In case of composite Work order in which scope of work comprises multiple type of work then only that part of work will be considered, which pertains to similar works and value or man days of similar works in total value/man days should be mentioned in completion certificate.
- viii. No relaxation/exemption in prior experience & prior turnover criteria shall be considered for MSME.

7. **Date of commencement of work :** As per LOI (Tentatively from 17.04.2021).
8. **Contract Period :** Full 01(One) year from the date of commencement of work.
9. **Tender fee :-** Rs.1000/- (The tender fee is to be deposited online as procedure** given below and print out of fee receipt should be submitted along with technical bid). GST on tender fee shall be extra.
10. **Earnest Money Deposit :-** EMD of amount(Rs. 85,838.00/-) OR One Time EMD of amount 500000 (Five lacs only) is to be deposited online as per procedure** given below and receipt should be submitted along with techno-commercial bid.

One Time EMD : For firm who had already deposited Rs.2,00,000 as One Time EMD has to deposit remaining balance amount of Rs.3,00,000 and the enclose the documents for the same.


Offer without a proper EMD will be rejected.

***The procedure of depositing EMD/SD/Tender Fee is reiterated below:**

- i. For depositing amount online , depositor has to open SB-Collect through Online E-Payment option available on Internet (www.bhelbpl.co.in under caption new link)
- ii. After reading the instruction for depositing the amount, EMD & Tender Fee amount shall be deposited. EMD and Tender Fee may please be deposited together under EMD module where the EMD & Tender Fee both are applicable.
- iii. After the successful payment DU No shall be generated from the banking system.
- iv. After depositing the amount, Depositor has to fill Deposit slip available on Internet (www.bhelbpl.co.in under caption new link) by selecting required Enquiry number. Tender Fee and EMD may please be entered separately.
- v. As and when credit received in BHEL account, automatic mail will be sent to the depositor.

Note :- After submitting the Deposit Slip a control number will be generated through system which can be used for getting print out from the system.

11. Guidelines/ Instructions issued by Government from time to time relating to procurement activities, which are mandatory and have the force of Law (such as CVC instructions, Presidential directives, MSMED Act 2006, Companies Act 2013, etc.) shall be adhered
12. Tender fee and EMD exempted for MSME vendor as per govt. directive. For claiming tender fee and EMD exemption, valid MSME certificate has to submitted.
13. **Last Date of Bid submission :-** 15-03-2021 by 11:00AM
Date of Techno-commercial bid opening :- After 02:00 PM on 15-03-2021.
14. **Venue for bids submission/ opening :-**
Tender Room, Admin Block, Ground Floor,
BHEL, Bhopal-462022


	WORKS CONTRACTING DEPARTMENT , BHEL BHOPAL	Page 6 of 23
	NIT : 33800104	REV. 00

- 15.** Detailed information regarding bidding document if required can be obtained from Smt. Archana Chatterjee, DGM(WCD),(Phone 0755-2503424, email: a_chatterjee@bhel.in) and Shri Ranjeet Kumar Singh Engineer (WCD), (Phone 0755-2503565,email : ranjeetksingh@bhel.in) between 10 AM to 4 PM on all working days.

Note:-

- (i) The envelope should be dropped in the tender box (Green colour) in the tender room. Tender received after 11:00AM will be treated as late tender on due date and will be summarily rejected.
- (ii) The representative of the firm must bring their authority letter to witness the tender opening from 2:00PM onwards.
- (iii) After awarding work, No excuse shall be entertained for loss of bidder or any other compensation, the successful bidder is fully liable to fulfill all tender conditions.
- (iv) The contractor should provide uniform, shoes and other safety appliances within 15 days of commencement of order.

Archana Chatterjee
DGM(WCD)
BHEL, Bhopal

	WORKS CONTRACTING DEPARTMENT , BHEL BHOPAL	Page 7 of 23
	NIT : 33800104	REV. 00

ANNEXURE-I

We confirm that (contractor) M/S.....has completed work relating to cleaning/housekeeping services in industrial establishment or govt./Public sector organization for M/S..... vide Work Order No..... dated.....and completion certificate Ref..... dated.....We also confirm that (contractor) M/S..... has received payment against the above WO and the same is recorded in book of accounts.

Sign & Seal of CA

If any of the information given in tender to qualify, found incorrect or false then BHEL may out rightly reject this offer and may also consider debarring us from participation in subsequent tenders.

Signature & Seal of Bidder

Contractor's Name :

Address :

Phone No. :

Email:


**ANNEXURE-II****Detailed Scope of Work**

Frequency	Activity
Daily	<ol style="list-style-type: none">1. Annexe/ Office/ Building Area<ol style="list-style-type: none">a) Dry sweeping of floors & staircasesb) Wet mopping of floors & staircases including removal of all types of stainsc) Cleaning of waste baskets after segregation of waste materials and disposing them off in main bins placed outside annexes/buildings/offices.d) Removal of garbage in front of annexes/offices/buildings upto 2.0 m width and disposal at nearby dustbins within factory area.2. Shop Floor toilets<ol style="list-style-type: none">a) Chemical wash for cleaning of toilets including urinal pots & washbasins.b) Cleaning of waste baskets after segregation of waste materials and disposing them off in main bins placed outside annexes/buildings/offices.c) Daily checking and replacement as and when required of deodorants such as odonil and naphthalene balls.d) Liquid soap containers in toilets to be checked and topped up if required.e) Removal of chockages from toilets upto manholes if required.3. Annexe/ Office/ Building toilets<ol style="list-style-type: none">a) Chemical wash for cleaning of toilets including urinal pots & washbasins.b) Cleaning of waste baskets after segregation of waste materials and disposing them off in main bins placed outside annexes/buildings/offices.c) Daily checking and replacement as and when required of deodorants such as odonil and naphthalene balls.d) Liquid soap containers in toilets to be checked and topped up if required.e) Removal of chockages from toilets upto manholes if required.
Fortnightly	<ol style="list-style-type: none">1. Footpaths & Plinth Protections : Dry sweeping of Footpaths & Plinth protections and disposing off collected waste materials after segregation as per the instruction of Engineer-In-charge.2. Parking Area : Dry sweeping of Vehicle Parking Spaces and disposing off collected waste materials after segregation as per the instruction of Engineer-In-charge.3. Roads : Dry sweeping of Roads and disposing off collected waste materials after segregation as per the instruction of Engineer-In-charge
Monthly	<ol style="list-style-type: none">1. Annexe/ Office Area : Removal of Cob-webs and cleaning of affected area (Wall & Ceiling) as and when required.2. Shop Floor toilets : Removal of Cob-webs and cleaning of affected area (Wall & Ceiling) as and when required.3. Annexe/ Office toilets : Removal of Cob-webs and cleaning of affected area (Wall & Ceiling) as and when required.

**ANNEXURE-III****1. The details of work to be awarded L1 bidder**

(A) The following table denotes various annexes, building and offices spread over the factory area under scope of work:-

Sl. No.	Name of Building/Annexe/office	Floor area in "Square metre"(sqm)
1	Maintenance Block annexe North East side North West side Wood working West side	467.00 720.44 618.21
2.	Fy. Block No. 3 annexe Eastern wing GF,FF, Central wing GF,FF, Western wing GF,FF South wing GF,FF,	2377.50 1829.00 1463.00 1510.00
3.	Fy. Block No. 4 annexe Eastern wing GF,FF, Western wing GF,FF Electro Plating shop GF Electro Plating shop	2377.50 1554.00 868.00
4	Gate No. 2 Central room for CISF Telecommunication store & work shop Tele-communication store	93.46 276.02
5	Hydro Machine lab Auxiliary Block GF & 4 floors Staircase Gf & 4 floors	1535.00 184.50
6	Creches for children	187.05
7	Civil Maint. Office	120.23
8	Capacitor building	489.22
9	Tool and Gauge Block annexe Office Office Office and Civil office Tool and Gauge Drawing Office Tool and Gauge office Personnel Office Personnel Computer room	204.80 153.72 1012.50 881.52 180.00 150.00 100.30
10	Training School Office and Staff room All Lecture room with Verandah Welding shed	353.40 1233.84 383.52

	WORKS CONTRACTING DEPARTMENT , BHEL BHOPAL	Page 10 of 23
	NIT : 33800104	REV. 00

11	U.H.V. Lab Area U.H.V. Lab main building GF,FF Control Room GF,FF Transformer Room GF,FF	3167.05 451.00 2223.00
12	Block no. -7 annexe Northern wing GF Southern wing GF,FF,SF BPRV Annexe	576.00 3060.00 576.00
13	TXM Block annexe Annexe Bldg. GF,FF	1246.60
14	Old Computer Building/IFX Basement, GF,FF	4432.00
15	New Computer Building GF,FF	1630.80
16	Gate No. 1 (office area)	103.00
17	New Hydro lab GF,FF,SF Single storey building	1150.00 950.00
18	Factory Block No. 2 annexe Eastern wing GF,FF,SF Central wing GF,FF, Western wing GF,FF	3566.00 1829.00 1463.00
19	Block No. 10 (Press Shop Division & pattern Shop Block)annexe North side annexe	1343.10
20	Gate No. 5 (office area)	43.81
21	Prerna Bhavan	1691.14

(B) The following table denotes various shop floor toilets spread over the factory area under scope of work:

Sl No.	Location	Type	Size of toilet(m)		Total area (sq. mtr.)	Details
			Length(m)	Width(m)		
1	M.G. room at south of Blk -3	M	2.70	2.30	6.21	(1WC,2U,1WB)
2	West of Block -7	M	5.00	2.40	12.00	(4WC,2U,1WB)
3	East of bay-3 Blk-1	M	5.70	2.75	15.68	(2WC,4U,2WB)
4	bay-4 Blk-7	M	5.70	2.50	14.25	(2WC,3U,1WB)
5	bay-4 Blk-7	F	6.20	2.60	16.12	(3U,3WC)
6	Southof bay 9,Blk -3	M	5.24	3.60	18.86	(3U,2WC,2WB)
7	New VPD Bay, NTB	M	3.87	2.85	11.03	(2 U,2WC,1WB)
8	New VPD Bay, NTB	F	3.87	2.85	11.03	(2WC,1WB)

9	North of Tool and Gauge	M	4.25	3.20	13.60	(2WC)
10	Transformer material store	M	3.00	5.20	15.60	(2U,1WB,1WC)
11	East of bay-2 Blk-3	M	7.50	2.70	20.25	(4WC,4U,3WB)
12	South-West of Blk -2, bay 9	M	7.60	3.00	22.80	(2WC,3U,2WB)
13	East of bay-8 Blk-3	M	8.80	2.70	23.76	(5WC,5U,3WB)
14	South-West of Blk -9	F	7.40	4.20	31.08	(3WC,5U,2WB)
15	East of cross bay block -9	M	7.60	4.30	32.68	(3WC,5U,2WB)
16	South entrance of block-4	M	8.60	3.80	32.68	(8WC,5U,3WB)
17	North of maintenance block	M	11.00	3.65	40.15	(4WC,8U,3WB)
18	South entrance of Tool and Gauge	M	7.30	5.80	42.34	(3WC,5U,2WB)
19	North of bay 1 block-9	F	7.70	4.00	30.80	(2WB,3WC)
20	South-East of block -9	M	13.00	4.00	52.00	(5WC,7U,3WB)
21	North entrance of block-3	M	11.40	5.40	61.56	(4WC,7U,3WB)
22	North entrance of block-4	M	11.80	5.40	63.72	(5WC,7U,3WB)
23	East of bay 1 block-3	M	8.70	7.90	68.73	(2WB,5WC)
24	Bay 1 Blk-9	M	6.00	11.00	66.00	(5U,2WB,3WC)
25	South of bay 8 Blk-4	F	6.90	9.30	64.17	(4WC)
26	East of press shop	F	4.00	1.80	7.20	(1WC)
27	Packing shed	M	3.60	2.30	8.28	(1WC,2U,1WB)
28	West of bay 2 block-6	M	5.30	3.10	16.43	(1WC,1U,1WB)
29	At B-2/B-3 CET bldg..	M&F	5.65	3.00	16.95	(2WC,3U,2WB)
30	Proof machine shop near gate 5	M	3.00	3.55	10.65	(1WC,1U)
31	East of bay 6 Blk-2	M	9.00	3.00	27.00	(3WC,3U,2WB)
32	West of bay 4 block-6	M	10.50	3.10	32.55	(1WC,1U,1WB)
33	South of block -6	M	10.60	3.10	32.86	(1WC,1U,1WB)
34	North of block -6	M	6.00	5.60	33.60	(3WC,4U,2WB)
35	North of block -6	F	6.00	5.60	33.60	(3WC,4U,2WB)
36	South –West of CIM	M	6.40	5.65	36.16	(6WC,5U,2WB)
37	South –West of block-6	F	6.40	5.65	36.16	(2WB,3WC)
38	North –West of block -6	M	6.40	5.80	37.12	(4WC,6U,2WB)

(C) The following tables denote various toilets of annexes , buildings and offices spread over the factory area under scope of work:-

Sl No.	Location of toilet	Annexe/bldg s/offices	Size of toilet(m)	Total area sqm	Type of toilet (Gents-129,
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						Ladies-52 Nos.)
			Length(m)	Width(m)		
1	AT EAST OF S. POST	CISF JAWAN	1.50	1.00	1.50	Male
2	AT MID OF GATE NO. 1	GATE NO. 1	1.50	1.00	1.50	Male
3	SECURITY GATE NO. 1 AT WEST OF GATE NO. 1	GATE NO. 1	1.40	1.20	1.68	Male
4	W/W annexe GF E block-7	annexe	1.65	1.40	2.31	Female
5	AT GF E side uhv lab	annexe	2.00	1.40	2.80	Male
6	AT NORTH SIDE OF BLOCK	AGM TGM	1.80	1.70	3.06	Male
7	AT EAST SIDE WORK SHOP	CLASSES	2.50	1.70	4.25	Male
8	AT NORTH SIDE	CLASSES	2.20	1.95	4.29	Male
9	TXM Annexe GF E	annexe	3.50	1.30	4.55	Female
10	TXM Annexe FF E	annexe	3.50	1.30	4.55	Female
11	TXM Annexe FF W	GM	2.60	1.80	4.68	Male
12	E/W,F.F WEST SIDE	ANNEXE	2.50	1.90	4.75	Male
13	W/W annexe GF W block7	annexe	3.00	1.80	5.40	Female
14	W/W annexe FF W block7	annexe	3.00	1.80	5.40	Female
15	W/W annexe SF W block7	annexe	3.00	1.80	5.40	Female
16	At E/W, GF Mid BLOCK7	annexe	2.50	2.22	5.55	Female
17	CENTRAL W/S F/EAST SIDE	ANNEXE	3.30	1.70	5.61	Female
18	W/W.F.F. WEST SIDE	ANNEXE	3.60	1.60	5.76	Female
19	TRAINING SCHOOL W/S AT EAST SIDE OF TRG.SCHOOL	OFFICE	2.75	2.10	5.78	Male
20	W/W annexe FF E block7	annexe	4.00	1.50	6.00	Female
21	BLOCK NO. 4 ANNEXE E/W F.F WEST SIDE	ANNEXE	2.60	2.45	6.37	Male
22	CENT.W/F.F EAST SIDE	ANNEXE	3.80	1.70	6.46	Female
23	CENT.W/F.F WEST SIDE	ANNEXE	3.80	1.70	6.46	Female
24	AT G.F. EAST SIDE	COMPUTER BLDG.	3.60	1.80	6.48	Female
25	BLOCK NO.3 SOUTH ANNEXE AT	ANNEXE	2.80	2.50	7.00	Female
26	CENTRAL W/F. F/EAST SIDE	ANNEXE	3.70	1.90	7.03	Female
27	COMPUTER BLDG. AT G.F.	COMPUTER BLDG.	3.40	2.10	7.14	Female
28	COMPUTER BLDG. AT F.F.	COMPUTER BLDG.	3.40	2.10	7.14	Female
29	AT WEST SIDE OF CANTEEN	CIVIL OFFICE	3.60	2.20	7.92	Male
30	INFLAMMABLE STORE AT	INFLAM STORE	3.90	2.05	8.00	Male
31	AT G.F. EAST SIDE	COMPUTER	4.50	1.80	8.10	Male
32	W/W,F.F. EAST SIDE	ANNEXE	4.70	1.75	8.23	Male
33	AT NORTH SIDE	CLASSES	3.00	2.80	8.40	Male
34	AT F.F. E SIDE UHV lab	annexe	4.20	2.00	8.40	Female
35	AT NORTH SIDE	CLASSES	3.00	3.00	9.00	Female
36	HYDRO LAB BLDG. AT	HYDRO LAB	3.75	2.40	9.00	Male

	G.FOF HYDRO LAB.					
37	AT F.F. OF HYDRO LAB	HYDRO LAB	3.75	2.40	9.00	Male
38	AT S.F. OF HYDRO LAB	HYDRO LAB	3.75	2.40	9.00	Male
39	AT T.F. OF HYDRO LAB	HYDRO LAB	3.75	2.40	9.00	Male
40	AT 4THF. OF HYDRO LAB	HYDRO LAB	3.75	2.40	9.00	Male
41	Ladies toilet	GATE NO. 1	3.25	2.75	8.94	Female
42	ELECTRO PLATING SHOP	NORTH SIDE	5.20	2.30	11.96	Male
43	AT E/W, GF Mid Block 7	annexe	4.20	3.20	13.44	Male
44	CAPACITOR LAB. BLDG. AT G.F. SOUTH SIDE	CAP. LAB BLDG.	3.80	3.60	13.68	Male
45	CENTRAL W/S. F/WEST SIDE	ANNEXE	3.70	3.70	13.69	Female
46	CENTRAL ANNEXE F.F WEST	ANNEXE	4.55	3.20	14.56	Male
47	At S side of bldg. UHV lab	Excellence dn	4.00	3.70	14.80	Male
48	CENTRAL W/F. F/EAST SIDE	ANNEXE	4.40	3.40	14.96	Male
49	CENTRAL W/F. F/WEST SIDE	ANNEXE	4.40	3.40	14.96	Male
50	W/W,F.F. EAST SIDE	ANNEXE	4.40	3.40	14.96	Male
51	TRANSPORT WORKSHOP AT	TRANSPORT W/S	4.70	3.20	15.04	Male
52	W/W annexe FF E block7	annexe	6.20	2.45	15.19	Male
53	W/W annexe SF E block7	annexe	6.20	2.45	15.19	Male
54	W/W G.F. WEST SIDE	ANNEXE	4.60	3.40	15.64	Male
55	BLOCK NO. 3 ANNEXE BLDG E/W	ANNEXE	4.60	3.40	15.64	Female
56	TXM Annexe GF E	annexe	4.50	3.500	15.75	Male
57	TXM Annexe FF E	annexe	4.50	3.500	15.75	Male
58	E/W F.F WEST SIDE	ANNEXE	4.65	3.40	15.81	Male
59	E/W F.F WEST SIDE	ANNEXE	4.40	3.60	15.84	Female
60	AT NORTH WEST OF BLDG	PUBLIC HEALTH	5.50	3.00	16.50	Male
61	CONTROL GEAR LAB BLDG.	FOR OFFICE	5.80	2.85	16.53	Male
62	BLOCK NO. 4 ANNEXE BLDG. E/W G.F EAST SIDE	ANNEXE	4.60	3.60	16.56	Female
63	E/W G.F WEST SIDE	ANNEXE	4.60	3.60	16.56	Male
64	AT NORTH SIDE ANNEXE	ANNEXE	5.00	3.40	17.00	Male
65	At W side of block7	annexe	7.50	2.40	18.00	Female
66	AT NORTH SIDE OF CANT.	CRECHE	4.50	4.35	19.58	
67	W/W annexe GF W block7	annexe	4.80	4.10	19.68	Male
68	W/W annexe FF W block7	annexe	4.80	4.10	19.68	Male
69	W/W annexe SF W block7	annexe	4.80	4.10	19.68	Male
70	COMPUTER BLDG. AT G.F.	COMPUTER BLDG.	5.80	3.40	19.72	Male
71	COMPUTER BLDG. AT F.F.	COMPUTER BLDG.	5.80	3.40	19.72	Male
72	W/W annexe SF E block7	annexe	4.00	5.00	20.00	Female



73	CONTROL GEAR LAB. BLDG.	FOR OFFICE	4.70	2.75	12.93	Female
74	W/W annexe GF E block7	annexe	6.30	3.95	24.89	Male
75	CENT. ANNEXE G.F. WEST	ANNEXE	6.30	5.80	36.54	Male
76	W/W F.F WEST SIDE BLK4	ANNEXE	6.60	5.60	36.96	Male
77	W/W S.F WEST SIDE	ANNEXE	6.60	5.60	36.96	Male
78	E/W F.F EAST SIDE	ANNEXE	6.30	6.30	39.69	Male
79	CENT.W, GF W side block6 annexe	Medical block	1.60	1.40	2.24	Female
80	At mid of annexe CIT bldg. & car POOL	CIT bldg	1.90	1.20	2.28	Female
81	BLOCK-2 ANNEXE E/W, G.F. EAST SIDE	ANNEXE	2.00	1.20	2.40	Female
82	Office area CIT bldg. & car pool	Car pool	2.10	1.30	2.73	Male
83	At B-1 bldg GF CET	CET project	2.30	1.20	2.76	Female
84	At FF E side Calibration lab	Calib. lab	2.30	1.20	2.76	Female
85	BLOCK NO. 5 NORTH SIDE OF LAB BLDG	ANNEXE	2.40	1.20	2.88	Female
86	At B-1 bldg GF CET	CET project	2.70	1.10	2.97	Male
87	At B-1 bldg GF CET	CET project	2.70	1.10	2.97	Female
88	Cent. W, SF W side block 6 annexe	annexe	2.00	1.80	3.60	Female
89	Cent. W, FF W side block 6 annexe	annexe	2.00	1.80	3.60	Female
90	SECURTY GATE NO.5 AT SECURTY POST	CISF JAWANS	2.10	1.80	3.78	Male
91	At weigh bridge gate 9	weigh bridge	2.80	1.50	4.20	Male
92	Security post gate no.8 at S side of post	CISF staff	2.10	2.10	4.41	Male
93	CENT.W, GF W side block6 annexe	Medical block	2.60	1.70	4.42	Male
94	E/W F, G.F WEST SIDE	ANNEXE	3.20	1.40	4.48	Female
95	E/W, S.F EAST SIDE	ANNEXE	3.20	1.40	4.48	Female
96	Security post gate no.8 at S side of post	CISF OFFICER	2.85	1.90	5.42	Male
97	At N end of S post gate 9	CISF	2.60	2.40	6.24	Male
98	GF E end CAT bldg. near CIM block	annexe	2.75	2.40	6.60	Male
99	GF E end CAT bldg. near CIM block	annexe	2.75	2.40	6.60	Male
100	FF W end CAT bldg. near CIM block	annexe	2.75	2.40	6.60	Male
101	W/W F.F WEST SIDE	ANNEXE	2.75	2.45	6.74	Male

102	At NW OF Print room	Print room	3.00	2.30	6.90	Male
103	Loco shed office near security gate no. 8	Loco shed	3.00	2.30	6.90	Male
104	SECURTY GATE NO.5 AT SECURTY POST	CIST OFFICER	3.00	2.30	6.90	Male
105	At S side OF Print room	Print room	3.00	2.40	7.20	Male
106	CENT.W, GF E side block 6 annexe	annexe	4.80	1.60	7.68	Female
107	W/W, G.F EAST SIDE	ANNEXE	4.60	1.70	7.82	Female
108	At B-1 bldg GF CET	CET project	3.30	2.45	8.09	Male
109	AT DRG OFFICE G.F.	ANNEXE	3.20	2.60	8.32	Male
110	At SW of plant	Pilot Plant	4.40	2.140	9.24	Male
111	CENT. ANNEXE F.F. EAST	ANNEXE	3.20	3.00	9.60	Male
112	Ladies Toilet	GATE NO.5	3.25	2.75	8.94	Female
113	Ladies Toilet	GATE NO.8	3.25	2.75	8.94	Female
114	W/W GF W side block 6 annexe	annexe	3.60	2.90	10.44	Female
115	W/W FF W side block 6 annexe	annexe	3.60	2.90	10.44	Female
116	AT FIRST FLOOR WEST	ANNEXE	3.65	3.25	11.86	Male
117	AT FIRST FLOOR EAST	ANNEXE	3.65	3.25	11.86	Male
118	CENTRAL W/G. F. WEST SIDE	ANNEXE	3.50	3.40	11.90	Female
119	BLOCK -2 ANNEXE E/W, G.F EAST SIDE	ANNEXE	4.00	3.00	12.00	Male
120	CENT.W, GF W side block 6 annexe	annexe	5.55	2.22	12.32	Female
121	E/WF,G.F. WEST SIDE	ANNEXE	3.90	3.20	12.48	Male
122	E/W, S.F. WEST SIDE	ANNEXE	3.90	3.20	12.48	Male
123	E/W, G.F. WEST SIDE	ANNEXE	4.10	3.10	12.71	Male
124	BLOCK NO. 5 NORTH SIDE OF LAB BLDG.	ANNEXE	3.80	3.40	12.92	Male
125	PRESS SHOP BLOCK ANNEXE BLDG. G.F./MID	ANNEXE	3.60	3.60	12.96	Male
126	E.W /S.F/WEST SIDE	ANNEXE	4.10	3.20	13.12	Male
127	E.W /S.F/WEST SIDE	ANNEXE	4.10	3.20	13.12	Male
128	N side of shed marshalling yard	packing shed	4.70	2.80	13.16	Male
129	At FF E side calibration lab	Calib lab	5.30	2.50	13.25	Male
130	At Mid W side TSD lab	TSD BLDG.	4.80	2.80	13.44	Female
131	At mid of annexe cit bidg & car pool	cit bid	4.50	3.60	16.20	Male
132	W/W, F.F EAST SIDE	ANNEXE	4.65	3.50	16.28	Male
133	AT WEST SIDE OF BLOCK	ANNEXE	4.20	3.90	16.38	Male
134	At B-2/B-3 bldg CET	CET project	5.65	3.00	16.95	M&F
135	E.W/G.F./EAST SIDE	ANNEXE	4.75	3.85	18.29	Male

(D) The following tables denote various roads spread over the factory area under scope of work:-



Sl. No.	Location of road	Road Dimension		Road area(sqm)
		Length (Avg.)(metre)	Width (Avg.)(Metre)	
1	Gate No. 1 to Gate No. 6 (VIP road) including parallel road	1950.0	16.0	31200.0
2	Vigilance gate (gate no. 2) to filtration plant	1234.0	7.0	8638.00

(E) The following tables denote various of Plinth Protections & Footpaths spread over the factory area under scope of work:-


Sl. No.	Location of road	Plinth protection & footpath Dimension		Plinth protection & footpath area (sqm)
		Length (Avg.)(metre)	Width (Avg.)(Metre)	
1	VIP Road			
	East	938.00	3.00	2814.00
	Centre	1703.00	3.00	5109.00
	West	1608.00	5.00	8040.00
2	Prerna Bhawan west side.	11.00	20.00	220.00
3	West side of Public health office	6.00	14.00	42.00
		2.00	14.00	28.00

(F) The following tables denote various Parking areas spread over the factory area under scope of work:-

SR NO	LOCATION	LENTH (M)	WIDTH (M)	AREA (SQM)
1	North side of Block -4	224.00	15.00	3360.00
2	East side of Block -4(evaporator)	26.00	38.00	988.00
3	South side of Block -4	242.00	11.00	2662.00
4	North side of Maintenance Block-A	88.00	2.00	176.00
5	North side of Maintenance Block-B	7.00	6.00	42.00
6	East side of Maintenance Block	23.00	5.00	115.00
7	East side of Blk-2	43.00	6.00	258.00
8	East side of Blk-2b	15.00	6.00	90.00
9	South East side of Block - 3	27.00	36.00	972.00
10	South side of Maintenance Block-A	151..00	6.00	906.00
11	South side of Maintenance Block-B	9.00	6.00	54.00
12	North side of Block -1	156.00	15.00	2340.00
13	South side of Block -1(A)	86.00	7.00	602.00
14	South side of Block -1(B)	56.00	7.00	392.00
15	South side of Block -1(C)	31.00	8.00	248.00
16	North side of Block -1 (a)	29.00	3.00	87.00



17	North side of Block -1 (b)	60.00	6.00	360.00
18	North side of Block -1 (c)	68.00	6.00	408.00
19	South side of informatics Centre (a)	55.00	4.00	220.00
20	South side of informatics Centre (b)	22.00	5.00	110.00
21	North side of Gas plant	161.00	7.00	1127.00
22	East side of Gas plant (a)	77.00	6.00	462.00
23	East side of Gas plant (b)	19.00	3.00	57.00
24	North side of Block -6 (a)	60.00	3.00	180.00
25	North side of Block -6 (b)	126.00	3.00	378.00
26	South side of Block -6 (a)	47.00	4.00	188.00
27	South side of Block -6 (b)	18.00	4.00	72.00
28	West side of Blk - 6	11.00	4.00	44.00
29	East side of Block -6 (a)	100.00	3.00	300.00
30	East side of Block -6 (b)	79.00	4.00	316.00
31	East side of Block -6 (c)	13.00	3.00	39.00
32	East side of Block -6 (Glass Building) (a)	28.00	4.00	112.00
33	East side of Block -6 (Glass Building) (b)	9.00	3.00	27.00
34	West side of Blk - 6 (Hospital)	58.00	15.00	870.00
35	East side of ATM	21.00	5.00	105.00
36	West side of ATM(CAT Building) (a)	40.00	6.00	240.00
37	West side of ATM(CAT Building) (b)	19.00	7.00	133.00
38	South side of TSD	150.00	9.00	1350.00
39	North side of TSD (a)	22.00	6.00	132.00
40	North side of TSD (b)	35.00	7.00	245.00

	WORKS CONTRACTING DEPARTMENT , BHEL BHOPAL	Page 18 of 23
	NIT : 33800104	REV. 00

ANNEXURE-IV

2. The details of work to be awarded L2 bidder

(A) The following table denotes various annexes, building and offices spread over the factory area under scope of work:-

Sl. No.	Name of Building/Annexe/office	Floor area in "Square metre"(sqm)
1	Block No. -6 Storage area	2444.50
2	Block No. -6 Annexe	
3	New fire tender room	130.00
4	Pilot Plant area near Gate no. – 8 A.I.T. annexe	226.00
5	Centre of advance Technology building GF,FF Central wing GF, FF, SF Western wing GF, FF, SF	1215.20 2743.00 2194.00
6	Gate No. 9 Office & PC Room with Verandah Control Room	47.76 19.25
7	TSD building	3848.00
8	Calibration lab (TWO floors)	242.00
9	CET project B-1 building GF,FF B-2,B-3 building B-4 building	430.60 217.50 251.60
10	Control gear lab building	1223.00
11	New car pool office	60.32
12	Civil office near carpool and Driver rest room of car pool	150.00 62.00
13	CISF fire building	560.00
14	Gate No. 8	275.00
15	Block-5 annexe	500.00
16	Factory Block No. 1 A Annexe office Annexe store	348.00 169.00
17	Factory Block No. 1 annexe Eastern wing GF,FF,SF Central wing GF,FF,SF Western wing GF,FF,SF	3566.00 2743.00 2194.00
18	Process water reservoir at filtration plant Office area	616.17
19	Gate No. 6 (office area)	55.76



20	Factory Block No. 1 B annexe Eastern wing Western wingStore on North side	309.47 493.50 768.00
21	Gas & power plant Area (GPX) Control Room Hydrogen test room Hydrogen plant office Office and lav. Bldg. no. 3 Office of the Manager Building No. 2 Switch Room	22.26 71.50 143.67 52.00 99.40 85.07 130.56
22	Power plant Contd. Control Room Gate office Control Room for LPG	36.00 16.32 32.54
23	6 M.W.D.G. project Near GPX West Side D.G. Hall shed Electrical bay building Mechanical bay building Stair case	384.00 173.00 173.00 12.00
24	Horticulture office near Gadia	2100.00

(B) The following table denotes various shop floor toilets spread over the factory area under scope of work:

Sl No.	Location	Type	Size of toilet(m)		Total area (sq. mtr.)	Details
			Length(m)	Width(m)		
1	North entrance of block 2	M	11.60	4.30	49.88	(4WC,5U,3WB)
2	West of block 2A	M	7.30	4.20	30.66	(2WB, 3U,3WC)
3	South east of block 2A	M	7.90	4.10	32.39	(2WB,5U,3WC)
4	Bay 1 CIM	F	7.40	5.70	42.18	(4WC)
5	Bay 7 CIM	F	6.40	5.60	35.84	(4WC)
6	East of bay 3 blk- 2	M	11.90	5.50	65.45	(6U,3WB,4WC)
7	South of foundry block	M	13.40	5.70	76.38	(5U,2WB,4WC)
8	South of blk-1	M	6.20	2.60	16.12	(1WC,4U,1WB)
9	West of welding work shop T & G	M	7.00	2.60	18.20	(2WC,3U,2WB)
10	East of bay - 6 blk- 1	M	8.90	2.20	19.58	(2WC,6U,2WB)
11	Horticulture nursery	M	4.70	2.70	12.69	(2U,2WB,2WC)
12	East of bay -1 pattern shop	M	6.20	4.00	24.80	(4WC,4U,3WB)
13	East of bay - 7 blk- 1	M	8.80	3.00	26.40	(3WC,5U)
14	Bay 1 VIP Toilet	M	11.50	2.55	29.33	(4WC,6U,2WB)

15	East of bay -2 press shop	M	7.00	4.20	29.40	(3WC,4U,2WB)
16	Blk 1 A Bay -1 Gang way	M	6.15	3.30	20.30	(2WC,2U,1WB)
17	East of bay - 8 blk- 1	M	10.00	3.00	30.00	(3WC,2WB,7U)
18	Block 3 bay-1	F	6.42	3.00	19.26	(3WC,2WB)
19	Block 1 west – north corner	M	5.80	6.30	36.54	(2WC,4U,2WB)
20	Block 1 A bay-1 East side	M	5.40	5.80	31.32	(2WC,5U,2WB)
21	Block 1 B bay -1 west	F	3.20	2.60	8.32	(1WC,1WB)
22	Block 1 B bay -1 west	M	9.00	2.50	22.50	(4WC,6U,2WB)
23	GGX	M	4.60	3.50	16.10	(3WC,3U,2WB)
24	NTB East side	M	3.30	3.90	12.87	(2WC,2U,1WB)
25	NTB West side (1 st Floor)	F	6.20	3.00	18.60	(2WC,1WB)
26	NTB West side (1 st Floor)	M	7.60	4.30	32.68	(3WC,4U,2WB)

(C) The following tables denote various toilets of annexes , buildings and offices spread over the factory area under scope of work:-

SI No.	Location of toilet	Annexe/bldg s/offices	Size of toilet(m)		Total area sqm	Type of toilet
			Length(m)	Width(m)		
1	At W side of annexe CIT bldg. & car pool	CIT bld	6.20	3.00	18.60	Male
2	CENTRAL W/S. F/WEST SIDE	ANNEXE	5.10	3.65	18.62	Male
3	E.W/F.F/ WEST SIDE	ANNEXE	4.70	4.00	18.80	Female
4	CENTRAL W,GF, W side block6 annexe	Medical block	5.40	3.50	18.90	Male
5	At side of lab (VIP)TSD	TSD BLDG	5.60	3.40	19.04	Male
6	At GF E side Calibration laboratory	Calib lab	5.30	3.70	19.61	Male
7	W/W, GF E side block6 annexe	annexe	4.90	4.10	20.09	Male
8	W/W, FF W side block6 annexe	annexe	4.90	4.10	20.09	Male
9	W/W, FF E end block6 annexe	annexe	4.90	4.10	20.09	Male
10	W/W, SF E end block6 annexe	annexe	4.80	4.20	20.16	Male
11	CENTRAL W/S. F/EAST SIDE	ANNEXE	4.90	4.20	20.58	Male
12	E/W,F.F./EAST SIDE	ANNEXE	6.30	3.40	21.42	Male
13	CENT.W/ GF EAST SIDE	ANNEXE	6.40	3.40	21.76	Male
14	CENTRAL W,SF, W side block6 annexe	annexe	5.00	4.40	22.00	Male
15	W/W ,G.F. WEST SIDE	ANNEXE	5.30	4.20	22.26	Male
16	W/W ,G.F. WEST SIDE	ANNEXE	6.60	3.50	23.10	Male
17	W/W ,F.F. WEST SIDE	ANNEXE	6.60	3.50	23.10	Male
18	W/W, GF E side block6 annexe	annexe	5.90	4.10	24.19	Male
19	CENTRAL W,SF, E side block6 annexe	annexe	7.10	3.50	24.85	Male
20	CENTRAL W,FF, W side block6 annexe	annexe	7.10	3.50	24.85	Male

21	CENTRAL W,FF, E side block6 annexe	annexe	7.10	3.50	24.85	Male
22	CENTRAL W,GF, E side block6 annexe	annexe	7.10	3.50	24.85	Male
23	At Mid W side TSD lab	TSD BLDG.	5.80	4.80	27.84	Male
24	E.W/S.F/EAST SIDE	ANNEXE	6.30	4.80	30.24	Male
25	E.W/F.F/EAST SIDE	ANNEXE	6.30	4.80	30.24	Male
26	E.W/S.F/EAST SIDE	ANNEXE	6.30	4.80	30.24	Male
27	Car pool area	Pool staff	4.90	6.80	33.32	Male
28	BLOCK NO. 1 B AT EAST OF ANNEXE	ANNEXE	3.50	1.40	4.90	Female
29	N of domestic w/s		4.35	1.50	6.53	Male
30	FILTRATION PLANT W/S AT NORTH SIDE OF PLANT	FILTR PLANT	3.50	2.00	7.00	Male
31	6M W DG project at GF east GP plant	DG Hall	2.70	2.65	7.16	Male
32	WORKS CANTEEN NO. 1 AT SOUTH SIDE OF CANT.	CIVIL OFFICE	2.80	2.60	7.28	Male
33	Civil office Zone C	fcx civil	3.40	2.15	7.31	Male
34	SECURITY GATE NO. 6 AT EAST OF S POST	CISF OFFICER	3.20	2.80	8.96	Male
35	Ladies toilet	GATE NO. 6	3.25	2.75	8.94	Female
36	FIRES STATION AT NORTH WEST OF F. STN.	FIRE STATION	3.80	2.65	10.07	Male
37	Nursery horticulture near hanuman temple	Nursery	4.50	2.30	10.35	
38	GF E end Nitrogen plant annex	GPX DIVISON	4.65	2.60	12.09	
39	FF E END Nitrogen plant annex	GPX DIVISON	4.80	2.60	12.48	
40	AT WELDING WORKSHOP	W/S	7.00	2.60	18.20	Male
41	NEW CNC BLOCK NORTH SIDE OF ANNEXE G.F.	ANNEXE	6.80	3.40	23.12	Male
42	NORTH SIDE OF ANNEXE F.F.	ANNEXE	6.80	3.40	23.12	Male
43	CENT.W/G.F. WEST SIDE	ANNEXE	6.40	3.70	23.68	Male
44	BLOCK NO. 1 B AT EAST OF ANNEXE	ANNEXE	5.00	4.80	24.00	Male
45	CENTRAL W/F.F. WEST SIDE	ANNEXE	6.50	3.70	24.05	Male
46	BLOCK NO. 1 ANNEXE W/W, G.F. EAST SIDE	ANNEXE	6.30	3.90	24.57	Female
47	W/W, G.F.WEST SIDE	ANNEXE	6.30	3.90	24.57	Male
48	At W of boiler house	GPX DIVISON	6.20	4.55	28.21	Male
49	CENTRAL W/G.F. EAST SIDE	ANNEXE	6.60	4.30	28.38	Male

(D) The following tables denote various roads spread over the factory area under scope of work:-

Sl. No.	Location of road	Road Dimension		Road area(sqm)
		Length (Avg.)(metre)	Width (Avg.)(Metre)	
1	Road on north of Block 4 annexe	245.0	9.0	2205.00
2	Vigilance gate (i.e. gate no. 2) to VIP Road square	245.0	9.0	2205.00
3	Road between block 3 & block 4	245.0	9.0	2205.00
4	Gate no. 5 to Gate no.8	1150.00	7.5	8625.00
5	Road between block 1 & block 2	245.0	9.0	2205.00



6	Road between block 1A & block 1	245.0	9.0	2205.00
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(E) The following tables denote various of Plinth Protections & Footpaths spread over the factory area under scope of work:-

Sl. No.	Location of road	Plinth protection & footpath Dimension		Plinth protection & footpath area (sqm)
		Length (Avg.)(metre)	Width (Avg.)(Metre)	
1	East side of block-3	146.00	5.00	730.00
2	West side of civil office(Zone-1)	150.00	5.00	750.00
3	North side of Block-3	242.00	6.00	1452.00
4	East side of Block -4	195.00	6.00	1170.00
5	North side of Block-4	242.00	6.00	1452.00
6	Training School forest area west side near Gate	143.00	6.00	858.00
7	Utkrist Kendra water plant south side	135.00	2.00	270.00
8	Utkrist Kendra water plant west side	280.00	2.00	560.00
9	Evaporator block north side	50.00	40.00	2000.00
10	North side of Block-2	242.00	5.00	1210.00
11	East side of evaporator	98.00	3.00	294.00

(F) The following tables denote various Parking areas spread over the factory area under scope of work:-

SR NO.	LOCATION	LENTH (M)	WIDTH (M)	AREA (SQM)
1	North side of TSD (c)	30.00	7.00	210.00
2	North side of TSD (d)	30.00	7.00	210.00
3	West side of NTB	15.00	6.00	90.00
4	East side of NTB	15.00	10.00	150.00
5	South side of Blk -7 (off of the GM) (a)	35.00	25.00	875.00
6	South side of Blk -7 (off of the GM) (b)	65.00	15.00	975.00
7	North side of Blk -7 (off of the GM)	85.00	4.00	340.00
8	South side of Blk -9 (a)	90.00	15.00	1350.00
9	South side of Blk -9 (b)	27.00	8.00	216.00
10	South side of Blk -9 (c)	32.00	8.00	256.00
11	South side of CET Blk	18.00	6.00	108.00
12	East side of Wooden Material Area	12.00	8.00	96.00
13	North side of Hydraulic Dept.	26.00	4.00	104.00
14	East side of Hydraulic Dept.	22.00	7.00	154.00
15	North side of pilot plant	35.00	22.00	770.00
16	Western side of Canteen No. 3 (a)	10.00	19.00	570.00
17	Western side of Canteen No. 3 (b)	10.00	6.00	60.00
18	Eastern side of Canteen No. 3	10.00	5.00	50.00



19	West side of Scrap yard (behind foundry Blk)	13.00	5.00	65.00
20	West side of training work shop	32.00	4.00	128.00
21	South side of training work shop	32.00	4.00	128.00
22	North side of training work shop	79.00	6.00	474.00
23	West side of Tools & gauge Blk - (A)	36.00	6.00	216.00
24	West side of Tools & gauge Blk - (B)	23.00	6.00	138.00
25	West side of Tools & gauge Blk - (C)	31.00	15.00	465.00
26	South side of Blk -2(A)	123.00	7.00	861.00
27	South side of Blk -2(B)	89.00	7.00	623.00
28	Electric maintenance in front of Canteen No. 3 (a)	12.00	5.00	60.00
29	Electric maintenance in front of Canteen No. 3 (b)	5.00	5.00	25.00
30	South side of Prerna bhavan	74.00	8.00	592.00
31	East side of Prerna bhavan (a)	11.00	6.00	66.00
32	East side of Prerna bhavan (b)	33.00	6.00	198.00
33	East side of Prerna bhavan (c)	36.00	6.00	216.00
34	North side of Press shop (a)	66.00	5.00	330.00
35	North side of Press shop (b)	60.00	10.00	600.00
36	North side of Blk -10	10.00	8.00	80.00
37	West side of GGS (a)	30.00	3.00	90.00
38	West side of GGS (b)	17.00	5.00	85.00
39	North side of Canteen No. -1	15.00	3.00	45.00
40	South side of Canteen No. -1(a)	35.00	7.00	245.00
41	South side of Canteen No. -1(b)	35.00	27.00	945.00
42	South side of Canteen No. -1(c)	13.00	7.00	91.00
43	East side of Canteen No. -1(a)	13.00	5.00	65.00
44	East side of Canteen No. -1(b)	12.00	10.00	120.00
45	North side of Blk -1 B	69.00	3.00	207.00
46	North side of Blk -5 (foundry)	27.00	10.00	270.00