

TSJ/EMD/C-23/174/23 September 26, 2023

The Member Secretary
Jharkhand State Pollution Control Board
T.A. Division Building
HEC Campus, Dhurwa
Ranchi - 834004

Subject: Submission of Environment Statement for Township of Tata Steel Limited, Jamshedpur for the year 2022-23

Dear Sir,

With reference to captioned subject, we are submitting herewith the Environment Statement for Township of Tata Steel Limited, Jamshedpur for the year 2022-23 duly filled in the prescribed format for your kind consideration.

You are requested to kindly acknowledge the same and place in your records.

Thanking you

Yours faithfully, For Tata Steel Limited

utlay Kashyap

**Utsav Kashyap** 

Head Environment Clearance & Compliance (TSL)

Enclosures as above

Copy to: Regional Officer, Jharkhand State Pollution Control Board, Jamshedpur

# **ENVIRONMENTAL STATEMENT FOR THE YEAR 2022-23**

# Township TATA STEEL LIMITED

# Submitted by: ENVIRONMENTAL MANAGEMENT DEPARTMENT TATA STEEL LIMITED JAMSHEDPUR-831001 JHARKHAND

#### [Form V]

#### **Environmental Statement for the Financial Year ending 31/03/2023**

#### Part A

(i)	Name & address of the owner/occupier	Mr. T.V. Narendran
	of the industry operation or process:	CEO & MD
		Tata Steel Limited
		Jamshedpur-831001
		East Singhbhum, Jharkhand
(ii)	Industry Code	Orange Category
	Primary STC Code:	SIC Code: 4941, 4950 & 4953
	Secondary SIC Code	-
(iii)	Production Capacity	Kharkai STP – 16 MLD, Bara STP - 45
		MLD
		List of services provided, and Major Installations
		within Tata Steel Leasehold Area for Township
		Operations is enclosed as <b>Annexure I</b>
(iv)	Year of Establishment	1907
(v)	Date of last Environment Statement	September 22, 2022 vide letter no.
	submitted	EMD/C-23/ 167 /22

# Part B WATER & RAW MATERIAL CONSUMPTION

#### i) Water Consumption (m³/day)

Process : 0 Cooling : 0

**Domestic Consumption** 2,03,923

(As drinking water supplied to

township)

Name of the product	Process water consumption/unit of product output		
Township Services	During the Previous Financial	During the Current Financial year	
	year (2021-22)	(2022-23)	
Water Treatment at WTP	64,78,150 m <sup>3</sup> /month	65,42,108 m³/month	

#### ii) Raw Material Consumption (Water Treatment Plant):

Name of Raw	Name of the	Consumption of Raw material (Tonnes)		
Material	Products/Services	During the Previous Financial year (2021-22)	During the Current Financial year (2022-23)	
Solid Alum		164	175	
Liquid PAC		600	555	
Liquid Chlorine	Water Treatment	210	502	
Powder PAC	water freatment	90	210	
Bleaching Powder		30	80	
Polyelectrolyte		1	13.5	

Part C
Pollution Discharged to Environment / Unit of Output
(Parameter as Specified In the Consent Issued)

Pollutants	Concentrations of pollutants in discharges (mass/volume)		Percentage of variation from prescribed standards with reasons
	mg/L		
a) WATER	Northern STP (Bara) Treated Outlet		
	2021-22 2022-23		
BOD	6.9	9.9	-67
COD	73.5	24.6	-90
TSS	7.5	12.9	-87
Oil & Grease 1.1 4.4		-56	
b) AIR	) AIR Not Ap		pplicable

Pollutants	Concentrations of pollutants in discharges (mass/volume)		Percentage of variation from prescribed standards with reasons
	mg/L		
a) WATER	Southern STP (Kharkai) Treated Outlet		
	2021-22 2022-23		
BOD	7.0	9.5	-68
COD	69.0	24.6	-90
TSS	8.1	25.3	-75
Oil & Grease	Oil & Grease 1.4 4.1		-59
b) AIR Not Ap		pplicable	

#### Part D

#### **Hazardous Waste**

# (As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2016)

Hazardous Waste	Total Quantity (Tonnes)				
	During the previous Financial year (2021-22)	During the Current Financial year (2022-23)			
(a) From Process					
	NA	NA			
(b) From Pollution Co	(b) From Pollution Control Facilities				
	NA NA				

#### Part E Solid Waste

#### **Total Quantity Generated**

Name of the Waste	Total Quantity Generated			
(a) From Process	During the previous Financial	During the Current		
	year (2021-22)	Financial year (2022-23)		
Municipal Solid Waste	98,550 Tonnes	99,280 Tonnes		
(b) From Pollution Control Equipment (cub	oic meter)			
STP Sludge	600 m <sup>3</sup>	600 m <sup>3</sup>		
(c)(1). Total Quantity Recycled/ Reutilized	(c)(1). Total Quantity Recycled/ Reutilized within the unit			
Total waste processed at compost plant	33,572 Tonnes	111 925 Tonnos		
(Municipal solid waste)	55,572 Tollies	111,825 Tonnes		
STP Sludge	600 m <sup>3</sup>	600 m <sup>3</sup>		
(c)(2). Total Quantity Sold				
Organic Compost from Municipal Solid	4,226 Tonnes	7 F46 Toppos		
Waste	4,220 Tofffies	7,546 Tonnes		
(c)(3). Total Quantity Disposed				
Inert Municipal Solid Waste	90954 Tonnes	98488 Tonnes		
(Process Rejects)	90954 Tolliles			

#### Part F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

#### A. Physical Analysis

SI. No.	Waste Stream Materials	% Content	Qty MT out of 400TPD
01.	Short Term Bio-degradable: Leafy matter, food	50.20	200.60
	waste, remains of fruits, vegetables		
02.	Remains of fish, meat, poultry	2.80	11.20
03.	Tree twigs, banana stump, hardnuts, coconut	4.00	16.00
	shells, palm leaves		
04.	Cotton, jute, wool, rags, textiles, yarn	4.50	18.00
05.	Rubber and leather products	1.80	7.20
06.	Bamboo products, wooden materials, coir, cane,	4.80	19.20
	furniture etc.		
07.	Diapers, napkins, bandages etc.	1.50	6.00
08.	Paper products of all kinds	3.70	14.8
09.	Plastic products of all kinds	4.80	19.20
10.	Glass & Metals	1.20	4.60
11.	Stone, earth, street sweeping dust	12.00	48.00
12.	Cattle dung and others	8.70	34.60
	Total	100.00	400.00

#### B. Waste Suitability Analysis for Product Recovery

Sl. No.	Items	%	Qty. MT
1.	Easily Compostable matter incl. food waste, fish, meat	58.00	232.00
	waste and cattle dung		
2.	Combustible materials with high C.V. to be recovered	18.30	73.20
	as refused derived fuels		
3.	Recyclable plastic	4.00	16.00
4.	Construction material	12.00	48.00
5.	Non-usable inert for SLF	7.70	30.80
	Total	100.00	400.00

#### C. Calorific Value Analysis:

Gross Calorific Value of mixed sample
 Gross Calorific Value of combustibles
 2320 K.Cal/Kg

#### D. Chemical Analysis

SI. No.	Parameter	Observed Values
1.	рН	6.2
2.	Organic Carbon %	35.00

3.	Nitrogen %	0.84
4.	Phosphorus %	0.46
5.	Potassium %	0.42
6.	Calcium %	1.40
7.	Magnesium %	0.36
8.	Sulphates %	0.40
9.	C: N Ratio	41.6:1

#### **E. Heavy Metal Analysis:**

Sl. No.	Parameter	Observed Values (PPM)
1.	Lead	60.00
2.	Cadmium	Below Detectable Limits
3.	Nickel	8.50
4.	Chromium	4.00
5.	Mercury	Below Detectable Limits
6.	Copper	30.00
7.	Zinc	70.00

#### Part G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

SI.	Pollution abatement Measures taken	Impact on conservation of natural
No.		resources & others
1	Tree Plantation 2020-21= 104908 nos.	Increase in green cover
2	Tree Plantation 2021-22= 124604 nos.	Increase in green cover
3	Tree Plantation 2022-23= 121629 nos.	Increase in green cover

#### Part H

# Additional Measures Investment Proposal of Environmental Protection Including Abatement of Pollution

- Electronic Waste Collection Centre for channelization of E-waste is completed.
- Scientific capping of old Bara dumpsite Profiling work Completed, HDPE, Geo membranes liner laying, vegetative soil laying and Greenery development.
- Installation of OWC at flat complexes completed.
- Modular Biogas units installed at Bulk Generators premises.
- Door to door Source Segregation at 25,000 household and establishments. Capturing of bulk generators
- Bioremediation and Biomining activity under progress.
- Plastic Tar Road laying at the Township.
- Increased in capacity of Organic waste processing.

- EC and CFE received for IMSWMF Begunadih
- Total 3 Nos locations have been identified to process Municipal solid waste by Bio-methanation and composting.
- Rated 3 star in the Garbage free city Star rating in Swachh Survekshan 2022.
- Channelization of Segregated combustible fraction (SCF) to cement industries.
- New Chlorine Di oxide Generation and dosing system for disinfection of 230 MLD of filtered water (in place Liquid Chlorine) as per CPHEEO guideline at Water Works. Total of 9 ClO2 units each of capacity 1.8 Kg/hr.

#### Part I

#### Any other particulars for improving the quality of Environment

- River clean-up / Water conservation and mass awareness drives in the township.
- Mass awareness drives in the township during World Water Day.
- Rainwater harvesting (RWH) units at 20 residential / office complexes having water regeneration capacity of 57 million liter yearly.
- Construction, Operation & Maintenance of Package Sewage Treatment Plant of 550 KLD at Pandey Maidan
- Construction, Operation & Maintenance of Package Sewage Treatment Plant of 700 KLD at Jahir Tola, Baridih.
- Construction, Operation & Maintenance of Package Sewage Treatment Plant of 1000 KLD at M Type, Baridih.
- 5 Nos. of RRR centre developed which are geo-tagged for easy locating and recyclable resources like clothes, shoes, books etc will be received.
- Facilitation to Township consumer for installing Roof Top Solar by providing Net Meters. The total RTS install capacity in Town is 1728kWP and in FY-23 total unit generated by this drive is 1.58 MU.

#### Annexure – 1

# List of services provided and Major Installations within Tata Steel Lease Hold Area for Township Operations

#### I. Type of services provided

- 1. Power Supply to Company accommodations and adjoining area.
- 2. Drinking Water Supply to Company accommodations and adjoining area.
- 3. Repair and Maintenance of roads of lease area.
- 4. Maintenance and operation of Sewage network of command area (Sewage pumping stations and Sewage Treatment Plant)
- 5. Fleet Management Services Maintenance of company vehicles.
- 6. Municipal Solid Waste Management Collection, transportation, processing and Disposal from township.
- 7. Horticulture and green cover of township.

#### II. Office Installations

- i. Chamaria Guest House
- ii. Tubes Guest House
- iii. Directors Bungalow 1
- iv. Directors Bungalow 2
- v. Tata Workers Union
- vi. JUSCO Shramik Union
- vii. Security Training Centre.
- viii. Urban Services
- ix. Corporate Communication TSL
- x. Centre for Excellence,
- xi. JUSCO Corporate Office
- xii. Town Electrical Office
- xiii. Horticulture Office
- xiv. ICS Centres (South Park, Central, Kadma, Sakchi, Sidhghora)
- xv. Public Health Centres (RDB, NT, Kasidih, Baridih, Burma mines)
- xvi. Tata Zoological Park
- xvii. Public conveniences throughout township (Urinals / Public Latrines)

#### III. Market

- i. Bistupur Market
- ii. Kadma Market
- iii. Sakchi Market
- iv. Golmuri Market
- v. Sidhghora Market
- vi. Burmamines Market
- vii. Kagal Nagar Market
- viii. Gudri Market
- ix. Airport Market

IV	RESIDENTIAL ACCOMMODATIONS								
SL.									
NO					SL.				
	AREA	QTRS	FLAT	BUNG.	NO.	AREA	QTRS	FLAT	BUNG.

	AGRICO				KADMA		
	NEW/ BARA FLATS				KAISER BUNG.		
1	•		594	47	(2 ROOMED)		15
	AGRICO - BARA				KAISER BUNG.		
2	FLATS		240	48	(3 ROOMED)		77
					NEW TC BHA		
	RN1/AGRICO			40	KADMA-2		
3		3		49	ROOMED		22
	M2/ACDICO				NEW TC BHA		
4	M2/AGRICO	2		50	KADMA-3 ROOMED		38
4	L4/AGRICO-			30	ROOMED		36
5	H6/GOLMURI	715		51	TS FLAT (OLD)	60	
6	L5/AGRICO	174		52	T.S.FLAT (NEW)	24	
		-/ 1		J_	KF4	'	
7	L6/AGRICO	198		53	FLATS,KADMA	153	
-					BELDIH LAKE		
	BARIDIH			54	SUP.FLAT	112	
	M.SUP.FLAT, TUBES				GPS FLATS		
8	WI.SUP.FLAT, TUBES		56	55	GP3 FLAT3	238	
	DADIDIH ELATC				GREEN ENCLAVE,		
9	BARIDIH FLATS	728	56	KADMA	182		
			_		PRAKRITI	_	
10	NEW K2 TYPE	280		57	VIHAR(NOPR)	182	
	MODIFIED ND				ULIYAN/KADMA		
11	MODIFIED NB	251		58	FLATS	1895	
	TI1/TI2 DADIDIU				GREEN		
12	TJ1/TJ2, BARIDIH	296		59	ENCLAVE(OPR)	70	
	K2/TUBES BARIDIH				PRAKRITI VIHAR,		
13	KZ/TOBES BARIDITI	50		60	KADMA	140	
14	L4/TUBES BARIDIH	93		61	K/K.D. TYPE	28	
14	•	95		01	-		
	L5 & S TYPE TUBES				DINDLI ENCLAVE,		
15		56		62	KADMA	70	
	L6/TUBES BARIDIH				K.D.FLATS,		
16	20, 10020 0, 1110111	122		63	C.H.AREA	32	
	NEW BARIDIH			_	K.D.FLATS,		
17		64		64	KADMA	76	
4.0	MODIFIED TJ TYPE,	465		<b>6</b> -	KAISER FLATS,		
18	BARIDIH	105		65	KADMA	8	
	DICTUDUD			e c	PROF.FLATS,I.C.R	152	
	BISTUPUR			66	OAD	152	
19	TR/BISTUPUR	206		67	PROF.FLATS, K.S.LINK	192	
19		200		07	PROF.FLATS,	192	
20	L4/BISTUPUR	43		68	FARM AREA	80	
20		43		80	FAKIVI AKEA	δU	

21 L2/BISTUPUR 38 69 EXECUTIVE FLATS 24   12 H2/B3,H4,H6,G1 & 451 70 GT (ULIYAN FLAT) 89   22 G2,BIST. 451 70 GT (ULIYAN FLAT) 89   23 H5,BISTUPUR 65 71 RMR,KADMA 0   24 P & P1 BISTUPUR 27 72 M2 KADMA 0   25 BURMAMINES 73 R.D.BHATTA. 286   26 S-TYPE B/MINES 140 74 TYPE,KADMA 239   27 STYPE B/MINES 160 75 A)TIJA,BHA 19   28 BML,B/MINES 485 76 L5 KADMA 545   29 BML,B/MINES 8 77 L6 & G5, KADMA 98   29 BUNG. BURMA MINES 8 77 L6 & G5, KADMA 98   29 BUNG. BURMA 8 MINES 8 76 BACKHI 79 PC & PCF 21   30 DHATKIDIH FLATS 96 80 T.C. (OLD) 60   31 PROTO TYPE FLAT 8 81   32 CS QUARTERS 435   33 GF1,GF2,GF3,GF4 FLATS 80   34 GF1,GF2,GF3,GF4 FLATS 80   35 GOLMURI FLATS 96   36 GOLMURI FLATS 96   37 RD.BHATTA. 286   38 AKCHI 19   39 A TYPE BUNGALOW, NILDIH 8   30 DHATS SAKCHI 8   31 PPE BUNGALOW, NILDIH 10 88 TR & SMAKCHI 78   32 CT YPE BUNGALOW, NILDIH 10 88 TR & SMAKCHI 78   34 DSB TYPE BUNGALOW, NILDIH 21 89 SAKCHI 721   36 DSB TYPE FLATS, 9 SECURITY FLATS 9										
12		I 5/RISTLIPLIR					K.S LINK			
22   G2,BIST.   451   70   GT (ULTAN FLAT)   89	21	25/ DISTOT OR	38			69	EXECUTIVE FLATS		24	
22   G2,BIST.   451   70   GT (ULTAN FLAT)   89		H2,H3,H4,H6,G1 &					(			
Color	22		451			70	GT (ULIYAN FLAT)		89	
23		-					RN1.N2.N1 &			
24   P & P1 BISTUPUR   27   72   M2 KADMA   0	23		65			71	1 '	0		
BURMAMINES   140   72   77   78   77   78   78   77   78						, -		-		
BURMAMINES   140	24	P & P1 BISTUPUR	27			72	M2 KADMA	0		
SECURITY FLAT   140							TR INCLUDING			
25   B.MINES   140   74   TYPE,KADMA   239   2		BURMAMINES				73	R.D.BHATTA.	286		
26   S-TYPE B/MINES   160   75   A)TJ4,BHA   19   L4/XN(R.D.BHATT   A)TJ4,BHA   19   L1,3,14 &		SECURITY FLAT					MODIFIED TR			
S-TYPE B/MINES   160   75	25	B.MINES		140		74	TYPE,KADMA	239		
26 S-I-YPE BYMINES 160 75 A)TJ4,BHA 19  L,L3,L4 & L5 KADMA 545 545										
L,L3,L4 & BML,B/MINES	26	S-TYPE B/MINES	160			75		19		
27   BML,B/MINES   485   76   LS KADMA   545     16 & BMH BURMA   93   77   L6 & G5, KADMA   98     28   MINES   8   78   H6 KADMA   100     29   MINES   8   78   H6 KADMA   100     30   DHATKIDIH   79   PC & PCF   21     30   DHATKIDIH FLATS   96   80   T.C. (OLD)   60     31   PROTO TYPE FLAT   8   81   TYPE   0     32   CS QUARTERS   435   SAKCHI     33   GOLMURI   82   FLAT   198     34   GF1,GF2,GF3,GF4   253   83   FLAT   192     35   GOLMURI   80   84   FLATS   48     36   GOLMURI   78   78     37   NILDIH   86   RN & N1 SAKCHI   0     38   B TYPE BUNGALOW, NILDIH   10   88     39   TR & SM SAKCHI   78     30   DS/B BUNGALOW, NILDIH   10   88   TR & SM SAKCHI   721     30   DSB TYPE FLATS, SECURITY FLATS   SECURITY FLATS		L,L3,L4 &		1				-		
H6 & BMH BURMA   MINES   93   77	27		485			76	L5 KADMA	545		
28 MINES   93   77   16 & GS, KADMA   98										
BUNG. BURMA   MINES   8	28		93			77	L6 & G5, KADMA	98		
29 MINES			33			,,		30		
DHATKIDIH   96	29		8			78	H6 KADMA	100		
DHATKIDIH FLATS   96   80   T.C. (OLD)   60							PC & PCF			
SO						,,,		21		
SECURITY FLATE   SAKCHI   SECURITY FLATE   SECURITY FLATE   SECURITY FLATE   SAKCHI   SAKCHI   SECURITY FLATE   SECURITY FL	30	DHATKIDIH FLATS		96		80	T.C. (OLD)	60		
31		DD 0 TO TVD 5 1 4 T					MODIFIED M-2			
GOLMURI  GOLMURI  GF1,GF2,GF3,GF4  33 FLATS  GF5,FLATS  GF5,FLATS  BO  BF1,GF2,GF3,GF4  BO  GF5 FLATS  BO  BF1,GF2,GF3,GF4  BO  GF5 FLATS  BO  BOLMURI FLATS - 6  BOL	31	PROTO TYPE FLAT		8		81	TYPE	0		
SWARNAREKHA   198   19	32	CS QUARTERS	435				SAKCHI			
SWARNAREKHA   198   19							SF1,			
GOLMURI   82   FLAT   198							•			
SF1,GF2,GF3,GF4   253		GOLMURI				82			198	
Security Flats   253   83   Flat   192   192   192   193   194   195										
SWARNREKHA   SWARNREKHA   SWARNREKHA   SWARNREKHA   FLATS   SAKCHI   SAKCHI   STATE   SAKCHI   SAKCH	33			253		83			192	
SWARNREKHA   SWARNREKHA   FLATS   48		. =								
34       80       84       FLATS       48         35       GOLMURI FLATS - 6       196       85       SAKCHI       32         NILDIH       86       RN & N1 SAKCHI       0         B TYPE BUNGALOW, NILDIH       2       87       M2/SAKCHI       78         DS/B BUNGALOW, NILDIH       10       88       TR & SM SAKCHI       85         C TYPE BUNGALOW, NILDIH       21       89       SAKCHI       721         DSB TYPE FLATS,       SECURITY FLATS       SECURITY FLATS		GES FLATS								
35   GOLMURI FLATS - 6   196   85   SAKCHI   32	34	0.0120		80		84			48	
35   GOLMURI FLATS - 6   196   85   SAKCHI   32	J ,					J.				
NILDIH   86   RN & N1 SAKCHI   0	35	GOLMURI FLATS - 6		196		85	·		32	
36         B TYPE BUNGALOW, NILDIH         2         87         M2/SAKCHI         78           DS/B BUNGALOW, NILDIH         10         88         TR & SM SAKCHI         85           C TYPE BUNGALOW, NILDIH         21         89         L,L1,L2,L3,L4,LH - SAKCHI         721           DSB TYPE FLATS,         SECURITY FLATS         SECURITY FLATS	33	NII DIH		130				n	32	
36         NILDIH         2         87         M2/SAKCHI         78           DS/B BUNGALOW, NILDIH         10         88         TR & SM SAKCHI         85           C TYPE BUNGALOW, NILDIH         21         89         L,L1,L2,L3,L4,LH - SAKCHI         721           DSB TYPE FLATS,         SECURITY FLATS         SECURITY FLATS						00	MA G INT DAKCIII	- 0		
36       NILDIH       2       87       78         DS/B BUNGALOW, NILDIH       10       88       TR & SM SAKCHI       85         C TYPE BUNGALOW, NILDIH       21       89       L,L1,L2,L3,L4,LH - SAKCHI       721         DSB TYPE FLATS,       SECURITY FLATS       SECURITY FLATS		-					M2/SAKCHI			
10   88   1R & SM SAKCH    85	36	NILDIH			2	87	,	78		
10   88   1R & SM SAKCH    85		DS/B BUNGALOW.								
C TYPE BUNGALOW, NILDIH 21 89 SAKCHI 721  DSB TYPE FLATS, SECURITY FLATS	27	•			10	00	TR & SM SAKCHI	or		
38     NILDIH     21     89     SAKCHI     721       DSB TYPE FLATS,     SECURITY FLATS	3/				10	ŏŏ		85		
DSB TYPE FLATS, SECURITY FLATS										
	38	NILDIH			21	89	SAKCHI	721		
		DSB TYPE FLATS,					SECURITY FLATS			
	39	NILDIH		8		90	SAKCHI	1		

40	C_TYPE FLATS, NILDIH	32		91	H6/SAKCHI	190	
41	D TYPE FLATS, NILDIH	28		92	G4/SAKCHI	13	
42	P TYPE FLATS, NILDIH	66		93	MODIFIED TR TYPE SAKCHI	48	
	NORTHERN TOWN				SIDHGORA		
	N TOWN				NEW		
43	BUNGALOW		189	94	SR/SIDHGORA	9	
44	VIP BUNGALOW		24	95	SR/SIDHGORA	14	
45	PARK ROAD OFFICERS' FLATS	 48		96	X/XN-SIDHGORA	464	
46	JUBILEE RD.OFFICERS' FLAT	64		97	MODIFIED X-XN, SIDHGORA	273	

Work Ins	stallations	
S.No.	Location	Premises Type
i	Southern STP (Kharkai) 16 MLD	Sewage treatment plant
ii	Bara Sewage Treatment Plant 45 MLD	Sewage treatment plant
iii	Northern SPS (CH Area)	Sewage pumping station
iv	Sonari SPS	Sewage pumping station
V	Old Uliyan SPS	Sewage pumping station
vi	New Uliyan SPS	Sewage pumping station
vii	Baradwari Sewage Pumping Station	Sewage pumping station
viii	Burma Mines Sewage pumping station	Sewage pumping station
ix	Bhuiyandi Sewage Pumping Station	Sewage pumping station
Х	Baridih SPS	Sewage pumping station
хi	Swarnarekha SPS	Sewage pumping station
xii	Southern SPS	Sewage pumping station
xiii	WTP Sakchi (Including Chlorination)	Drinking water tower
xiv	Central WT	Drinking water tower
XV	Sakchi WT	Drinking water tower
xvi	Kadma WT	Drinking water tower
xvii	Tata Nagar WT	Drinking water tower
xviii	Burma Mine WT	Drinking water tower
xix	Sidhghora WT	Drinking water tower
XX	Sonari WT	Drinking water tower
xxi	River Pump House	River water pumping station
xxii	Dimna Filter Plant	Water Treatment Plant
xxiii	Dimna Management Development Centre	DBGR
xxiv	Fleet Management	Vehicle Maintenance
xxv	Horticulture Nursery	Park and garden
xxvi	Town Electric Office	Office area

	xxvii	Compost Plant – 50 TPD	Manure manufacturing plant							
VI	Sonari Air	port	-							
VII	Hospitals	and dispensaries								
	i.	Tata Main Hospital								
	ii.	Dispensaries (ECC, Sonari, Kadma, South Park, Tubes, Sakchi, Sidhghora, Agrico, Burmamines)								
	iii.	Adersir Dalal Memorial Hospital.								
	iv.	Kantilal memorial Hospital	·							
	V.	Centre for Family Initiative								
	vi.	Veterinary Hospital								
	vii.	Dog Sterilization Centre								
	viii.	Immunization Centre								
VIII	Education	al Institutions								
	i.	SNTI, N-Road.								
	ii.	Mrs. KMPM Intercollege								
	iii.	JUSCO School , South Park								
	iv.	JUSCO School, Kadma.								
	٧.	Kasidih High School								
	vi.	RD Tata Technical Institute, Golmuri.								
	vii.	Burmamines High School								
	viii.	DM Madan Girls High School								
	ix.	Sakchi Girls High School								
	X.	Jamshedpur Public School								
	xi.	AIWC School, Old Baridih								
	xii.	Tube Baridih High School.								
IX	Parks									
	i.	Jublee Park								
	ii.	Droabji Park								
	iii.	Bistupur Postal Park								
	iv.	Bhetia Park								
	V.	Kagal Nagar Park								
	vi.	Golmuri Park								
	vii.	Agrico Park								
	viii.	Nildih Park								
V	ix.	Tubes Guest House Park								
Х	i.	Ids/ Golf ground/ Clubs  JRD Sports complex								
	ii.	Keenan Stadium								
	iii.	Mohan Ahuja Stadium								
	iv.	Gopal Maidan								
	V.	Armoury Ground								
	v. vi.	Aaam Bagan								
	vi. vii.	Bari Maidan								
	vii.	Agrico Maidan								
	ix.	G-Town Maidan								
	'^.	Golf ground								
	X.	Beldih Golf Course								
	۸.	Detail Course								

	xi.	Golmuri Golf Course
		Clubs
	xii.	G-Town Club
	xiii.	United Club
	xiv.	Beldih Club
	XV.	Tube Makers Club
	xvi.	Golmuri Club
ΧI	Bustees	
	i.	Gurudwara Bustee
	ii.	Harijan Bustee, Dhatkhedi
	iii.	Ranikudar
	iv.	New Ranikudar
	V.	Sonari Bustee
	vi.	Khutadih Bustee
	vii.	Kumharpada Bustee
	viii.	Kasidih Bustee
	ix.	Hume Pipe Bustee
	X.	Bhalubasha Bustee
	xi.	Sitaramdera Bustee
	xii.	Baridih Bustee
	xiii.	Toiladungri Bustee
	xiv.	Gadabasha Bustee
	XV.	East Plant Bustee
	xvi.	Namda Bustee
	xvii.	Monifit Bustee