

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क्र. 1384 / निर्माण / 2024

सिस्टम टेंडर नं. 155247

कोरबा दिनांक 21.06.2024

ई-निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरबा द्वारा लोक निर्माण एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभियंता लोक निर्माण विभाग, रायपुर द्वारा भवन कार्य हेतु दिनांक 01.01.2015 एवं विद्युत हेतु 01.06.2020 से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ शेड्यूल अनुसार प्रतिशत दर पर ई-प्रोक्युरमेंट (E-Tendering) के माध्यम से निविदा प्रपत्र फार्म A में निविदा आमंत्रित की जाती है :-

क्र.	कार्य का नाम	प्राक्कलन राशि(लाख में)	धरोहर राशि (FDR/TDR)	कार्यावधि	निविदा प्रतिभागी शुल्क (DD)	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	बरवसपुर डम्पगार्ड में सॉलिड वेस्ट मैनेजमेंट प्लांट प्रदाय एवं स्थापना कार्य (डीएमएफ मद)	200.00	150000.00	6 माह	3000.00	वर्ग सी एवं प्रवर श्रेणी	15.07.2024 से

शर्तें:-

- निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।
- जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साडा) के हित के विरुद्ध कार्य किया गया हो उन्हे निविदा भरने की पात्रता नहीं होगी।
- इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र/पेन नम्बर, जी.एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि के FDR/TDR की प्रति ऑनलाईन अपलोड करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड, निविदा प्रतिभागी शुल्क का डिमाण्ड ड्राफ्ट एवं धरोहर राशि FDR/TDR, शपथपत्र का स्कैन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
 - अमानत राशि का वैध FDR/TDR, निविदा प्रतिभागी शुल्क का DD एवं शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से निविदा खुलने की तिथि में दोपहर 3.00 बजे तक आयुक्त,नगर पालिक निगम,कोरबा साकेत भवन, आई.टी.आई.चौक रामपुर कोसाबाड़ी पिन- 495677 कोरबा को उपलब्ध कराना अनिवार्य होगा।
 - निविदाकार को प्रत्येक निविदा में पंजीयन क्षमता के अंतर्गत वर्तमान में नगर निगम या अन्य विभागों में उनके द्वारा किये जा रहे कार्यों का विवरण राशि सहित मूलप्रति में वैध शपथपत्र (राशि रु. 100/- नॉनज्यूडिशियल स्टाम्प) निविदा आमंत्रण दिनांक के पश्चात का, निविदा क्रमांक एवं कार्य का नाम अंकित करना अनिवार्य होगा।
 - अमानत राशि का FDR/TDR एवं निविदा प्रतिभागी शुल्क का DD जो कि आयुक्त, नगर पालिक निगम,कोरबा के नाम पर देय हो प्रस्तुत करना अनिवार्य होगा।
- सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं मरम्मत एवं संधारण मद को छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।
- जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।
- निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन) अधिनियम 1996 एवं तदअंतर्गत निर्धारित नियमों के तहत पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का 1 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
- ईट से संबंधित निर्माण कार्यों में फ्लाइंग ब्रिक का उपयोग किया जाना अनिवार्य होगा।
- प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
- निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एवं निविदा दर की अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक एफ.डी.आर., पोस्ट ऑफिस, टाईम डिपॉजिट अथवा एन.एस.सी. जो कि आयुक्त नगर पालिक निगम, कोरबा के नाम पर देय होगा जो मांग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य होगा। उपरोक्त राशि समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
- निविदा प्रपत्र फार्म -ए की कंडिका 11 अनुसार एस्कलेशन देय नहीं होगा।
- निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
- निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
- उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।

प्रतिलिपि-

प्रोग्रामर, संचालनालय, नगरीय प्रशासन एवं विकास विभाग, रायपुर को uad.cg.gov.in में अपलोड करने हेतु प्रेषित।

कार्यपालक अभियंता
नगर पालिक निगम
कोरबा (छत्तीसगढ़)

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		21.06.2024	15.00	21.06.2024	15.00	Release Tender
2		Bid Submission	21.06.2024	15.00	12.07.2024	17.30	
3		Physical Document Submission	21.06.2024	17.00	15.07.2024	15.00	
4	Tender Open		15.07.2024	16.00	--	--	


EXECUTIVE ENGINEER
KORBA/(CG)
For, Commissioner Korba (C.G.)

TENDER/NIT HEADER DETAIL

ORGANIZATION NAME Urban Administration and Development Department (UADD)
 TENDER NO. 155247
 NUMBER OF ITEMS ALREADY ATTACHED 1
 CURRENCY INR - INDIAN RUPEE
 NIT TYPE RESTRICTED TENDER
 VENDOR CLASS A, B, C
 PROBABLE AMOUNT OF 19998640.00
 CONTRACT (PAC) [INR]
 DIVISION / DISTRICT MUNICIPAL CORPORATION, KORBA
 NAME
 DESCRIPTION F.N/ 1384/Const./Kosabadi Zone/
 DETAILED DESCRIPTION Solid Waste Management Plant for
 IS AUCTION ENABLED? N
 NUMBER OF BID PART(S) 2
 PROCUREMENT CATEGORY WORKS
 TENDER DEALING OFFICER - MANORANJAN SARKAR (EE)
 MATCHING NO
 TENDER CATEGORY PERCENTAGE
 OFFICE/DIVISION (PWD) NAME COMMISSINOR, MUNICIPAL CORPORATION, KORBA
 SECTION/CIRCLE (PWD) NAME TENDER SECTION
 2024/KMC
 Korba Municipal Corporation at Barbaspur Dump Yard
 BID PART NUMBER 1

ATTRIBUTE (S)

ATTRIBUTE NAME	ATTRIBUTE VALUE
BID VALIDITY PERIOD (in days)	120
Tender / Work Completion Time (in months)	06 (VALUE)
Required Past Technical Experience	As per tender document /NIT
Required Financial Turnover (in INR)	AS PER NIT
Required Bid Capacity (in INR)	AS PER NIT

PAYMENT DETAILS

DETAILS	
Tender/Processing/Bid Fees	N/A
EMD/Bid Security	150000.00 INR

DATE-TIME DETAIL (S)

BID SUBMISSION START DATE Jun 21, 2024 07:30:00:PM
 BID OPEN DATE (SCHEDULED) Jul 15, 2024 04:00:06:PM
 BID DUE DATE Jul 12, 2024 05:30:40:PM
 PHYSICAL DOC SUBMISSION END DATE Jul 15, 2024 03:00:15:PM

PRE-BID DISCUSSION DETAILS

PRE-BID DISCUSSION NOT REQUIRED

ALTERNATE BID DECRYPTOR (S)

USER DETAILS
MR BUYER ADMIN (DFLT)
- MANORANJAN SARKAR (DFLT)
- (Mitresh Verma (DFLT)
- Ramkumar Maheshwari (DFLT)
- ARUN KUMAR SHARMA (DFLT)
- Bhushan Ram Orao (DFLT)
- Vinod kumar Sandilya (DFLT)

TERM AND CONDITION DETAIL (S) - SPECIAL TERM (S)

SL. NO.	CATEGORY	DESCRIPTION
1	SPECIAL TERM(S)	SPECIAL TERM(S) As per tender document /NIT

TENDER SPECIFIC REQUIRED ATTACHMENT (S)

Envelop B

SL. NO.	SUPPORTING DOCUMENT NAME	MANDATORY	ALLOW EXEMPTION	GROUP
1	PARTNERSHIP DEED/MOA OF COMPANY (IF REQUIRED)	YES	NO	OTHER
2	DECLARATION FOR NOT BEING BLACK LISTED	YES	NO	OTHER
3	LIST OF TECHNICAL STAFF DETAIL	YES	NO	OTHER
4	GST CERTIFICATE FROM CHHATTISGARH	YES	NO	OTHER
5	DECLARATION FOR NOT ABOVE TOTAL WORK OF REGISTRATION CAPACITY	YES	NO	OTHER
7	REGISTRATION CERTIFICATE (ANY GOVT DEPT IN CHHATTISGARH)	YES	NO	OTHER
8	INCOME TAX CLEARANCE CERTIFICATE	YES	NO	OTHER

PROPOSED SOLID WASTE MANAGEMENT PLANT FOR KORBA MUNICIPAL CORPORATION (C.G)

BILL OF QUANTITY

S.No.	I.NO.	PARTICULAR	QTY.	UNIT
		BUILDING SOR		
1	(BUILDING SOR ITEM NO.-1.2/9)	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/height including disposal of rubbish upto 1.5 m lift and lead upto 50 m (at least 5m away from the dressed area).	7950.00	SQ.M
2	(BUILDING SOR ITEM NO.-1.1.1/9)	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil	883.16	CUM
3	(BUILDING SOR ITEM NO.- 1.6.1/10)	Extra for every additional lift of 1.5M or part there of 1.6.1 All types of soil	250.20	CUM
4	(BUILDING SOR ITEM NO.-1.26/12)	Carriage by mechanical transport upto 5 km lead: 1.26.1 Earth	227.96	CUM
5	(BUILDING SOR ITEM NO.-1.7/10)	Extra rate for quantity of work executed in or under water and/ or liquid mud including pumping out water.	221.78	CUM
6	(BUILDING SOR ITEM NO.1.17/11)	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M.	433.05	CUM

S.No.	I.NO.	PARTICULAR	QTY.	UNIT
7	(BUILDING SOR. ITEM NO.-1.18/11)	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.		
			391.72	CUM
8	(BUILDING SOR. ITEM NO.- 3.1.3/23)	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).		
			228.91	CUM
9	(BUILDING SOR ITEM NO.- 3.2/23)	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
			477.24	CUM
10	(BUILDING SOR. ITEM NO.- 3.12.1/24)	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415		
			46078.56	KG
11	(BUILDING SOR ITEM NO.- 2.1.1/16)	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.		
			718.73	SQ.M
12	(BUILDING SOR ITEM NO.- 7.5.4/45)	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:1 2894-2002 of class designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)		
			5.78	CUM
13	(BUILDING SOR ITEM NO.- 3.13/24)	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including formwork.		
			2.90	CUM
14	(BUILDING SOR. ITEM NO.- 11.3/103)	Providing and making 15mm.thick cement plaster on the rough side of single or half brickwall of mix. In Cement Mortar 1:6 (1 cement : 6 fine sand)		

S.No.	I.NO.	PARTICULAR	QTY.	UNIT
			760.32	SQ.M
15	(BUILDING SOR ITEM NO.- 14.13/133)	Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even. As per Inner , outer plastering		
			140.40	SQ.M
16	(BUILDING SOR ITEM NO.- 14.12/133)	Applying one coat of cement primer on wall surface (applied @ 0.80 litres/10 SQ.M) complete. As per Inner , outer plastering		
			140.40	SQ.M
17	(BUILDING SOR ITEM NO.- 14.16.1/133)	14.16 Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:14.16.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)		
			140.40	SQ.M
18	(BUILDING SOR ITEM NO.- 9.3.2/80)	Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.2 Electric resistance or induction butt welded tubes Grade-300		
			62103.65	KG
19	(BUILDING SOR ITEM NO.-9.5/80)	Extra for hoisting trusses and placing in position over height above 5m for every 2.5 m height or part thereof		
			62103.65	KG
20	(BUILDING SOR ITEM NO.-10.5/91)	10.5 Providing ridges or hips of 60cm overall width in plain G.I. sheet fixed with galvanized washers J or L hooks, bolts and nuts 8mm G.I. limpet and bitumen washers complete.10.5.3 0.63 mm thick sheet with zinc coating not less than 275gm/sqm		
			92.90	MTR

S.No.	I.NO.	PARTICULAR	QTY.	UNIT
21	(BUILDING SOR ITEM NO.-10.9/91)	Providing and fixing 15 cm. wide 45cm. overall semi circular plain G.I. sheet gutter with iron brackets 40x3 mm size, bolts, nuts and washers etc. including making necessary connections with rain water pipe complete as per designs. 10.9.2 0.63 mm thick sheet		
			185.80	MTR
22	(BUILDING SOR ITEM NO.- 10.11/91)	10.12 Supply and fixing of polymer pre-coated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.		
			2498.39	SQM
23	(BUILDING SOR ITEM NO.- 7.5.4/45)	Brick work with modular fly-ash lime bricks (FALG Bricks) conforming to IS:12894-2002 of class designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)		
			47.70	CUM
		FENCING		
24	(BUILDING SOR. ITEM NO.- 9.6.2/80)	Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.1 Electric resistance or induction butt welded tubes Grade-250		
			4872.65	KG
25	(BUILDING SOR ITEM NO.- 9.43.1/84)	Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete.		
			785.40	SQ.M

S.No.	I.NO.	PARTICULAR	QTY.	UNIT
26	(BUILDING SOR. ITEM NO.- 14.22/134)	Painting on new work (two or more coats) to give an even shade with		
			804.30	SQM
27	(BUILDING SOR. ITEM NO.- 11.1/103)	Providing and making 6 mm thick cement plaster of mix In Cement mortar 1:4 (1 cement : 4 fine sand)		
			47.88	SQ.M
28	(BUILDING SOR. ITEM NO.- 22.1/204)	Trenching in ordinary soil upto a depth of 60cm including removal and stacking of serviceable materials and then disposing of by spreading and neatly leveling with in a lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).		
			183.30	CUM
29	(BUILDING SOR. ITEM NO.- 22.2/204)	Suppling and stacking of good earth at site including royalty,loading,unloading and carriage upto 10km(earth measured in stacks will be reduced by 20% for payment)		
			183.30	CUM
30	(BUILDING SOR ITEM NO.- 22.4/204)	Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 5 km (manure measured in stacks will be reduced by 8% for payment).		
			61.10	CUM
31	(BUILDING SOR ITEM NO.- 22.8/204)	22.8 Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/ and good earth to be paid separately).		
			244.40	CUM
32	(BUILDING SOR ITEM NO.- 22.4/204)	22.9 Mixing earth and sludge or manure in proportion specified or directed		
			244.40	CUM
33	(BUILDING SOR. ITEM NO.- 22.25/207)	Providing and Planting following herbs in garden including preparation of soil,base plantation, providing and spreading different fertilizers,soil and sand.		

S.No.	I.NO.	PARTICULAR	QTY.	UNIT
		22.25.1 Hedges like Alife,Dorenta,Tikoma etc.	70.00	EACH
		22.25.2 Furn like arrica,china etc (3year old)	70.00	EACH
		22.25.3 Hibiscus (Flower) /Rose		
		22.25.4 Carpet Grass(Well developed) 80% AREA	488.80	SQM
34	(BUILDING SOR ITEM NO.- 2.1.2/17)	2.1.2) Wall of any thickness including attached pilasters, buttresses etc. in superstructure.		
			76.80	SQM
35	(BUILDING SOR ITEM NO.- 2.1.7/16)	2.1.7) Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)		
			21.60	SQM
36	(BUILDING SOR ITEM NO.- 20.15.1/192)	Providing and fixing in position precast R.C.C. manhole cover and frame L D- 2.5 of required shape and approved quality Rectangular shape 600x450mm internal dimensions		
			4.00	EACH
37	(BUILDING SOR ITEM NO.- 12.2/111)	25mm thick cement concrete flooring with 1:2:4 cement concrete (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) finished with floating coat of neat cement.		
			18.00	SQM
38	(BUILDING SOR ITEM NO.-9.6/80)	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer 9.6.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works		
			3840.00	KG
39	(BUILDING SOR. ITEM NO.-3.4/23)	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:		
			5.10	CUM

S.No.	I.NO.	PARTICULAR	QTY.	UNIT
40	(BUILDING SOR ITEM NO.- 2.1.5/16)	Columns, Pillars, Piers and likes- rectangular or square in shape		
			165.00	SQM
41	(BUILDING SOR. ITEM NO.- 7.6/45)	Extra for brick work in superstructure Above plinth level for every floor or part thereof in addition to rate for foundation and plinth:		
			44.80	CUM
42	(BUILDING SOR. ITEM NO.-14.5.1)	14.5 White washing with lime to give an even shade. 14.5.1 On new work (Three or more coats)		
			630.00	SQ.M
43	(BUILDING SOR. ITEM NO.-14.9)	14.9 Distemping with acrylic washable distemper to give an even shade. 14.9.1 On new work (Two or more coats)		
			630.00	SQ.M
		ROAD SOR		
44	(PWD ROAD SOR NO. 3.2/11)	Excavation in Soil (by Mechanical Means.) Excavation for roadway in soil using mechanical means including loading in tipper for carrying of cut earth to embankment site and unloading with all lifts and lead upto 1000 meters as per relevant clauses of section 300.		
			537.57	CUM
45	(PWD ROAD ITEM NO.-4.1(A)ii/15)	Granular Sub-base as per Table :- 400-1 Construction of granular sub base by providing close graded material carriage of mixed material to work site, spreang in uniform layers with motor grader on prepared surface watering rolling and compacting with vibratory power roller at OMC to achive the disired density complete as per clause401		
		A Plant mix method (with Mechanically crushed stone only) (ii) Grading-IV Material		
			268.79	CUM

S.No.	I.NO.	PARTICULAR	QTY.	UNIT
46	(PWD ROAD SOR NO. 4.10/16)	Wet Mix Macadam (Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per clause 406.)		
			268.79	CUM
47	(PWD ROAD SOR NO.-6.1/26)	Dry Lean Cement Concrete Sub- base (Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ CUM, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.)		
			90.00	CUM
48	(ROAD SOR. ITEM NO.-6.2(I)/26)	6.2 Cement Concrete Pavement (Construction of un-reinforced, dowel jointed, plain cement concrete pavement as per IRC:58 over a prepared sub-base, coarse and fine aggregate conforming to IS:383 and graded as per table 600-3 mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing as per clause 602.)		
		With Cement concrete grade M-40 and minimum cement content @ 400 kg/cum.		
			317.88	CUM
49	(PWD ROAD SOR NO.-6.1/26)	Dry Lean Cement Concrete Sub- base (Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ CUM, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.)		
			68.94	CUM

S.No.	I.NO.	PARTICULAR	QTY.	UNIT
50	(ROAD SOR ITEM NO.- 3.2 (ii)/13)	Construction of RCC open drain 0.60m x 0.60m inside dimension lined with 120 mm thick RCC M-20 walls, 120 mm thick CC M-20 foundation, over 100 mm thick (Av) leveling course in PCC M-15 including excavation , dressing of sides and bottom, provision of HYSD reinforcement consisting 8 mm dia horizontal bars @ 150 mm c/c and L-shaped 8 mm dia vertical bars @ 150 mm c/c (L= 800 mm) including cutting , bending and binding wire, placing in position , providing shuttering and concreting by using concrete mixer, compaction by vibration etc complete as per drawings and technical specifications	85.00	RMT
51	(ROAD SOR ITEM NO.-11.2 (a)/43)	Planting Permanent Hedges including Digging of Trenches (Planting permanent hedges including digging of trenches, 60 cm wide and 45 cm deep, refilling the excavated earth mixed with farmyard manure, supplied at the rate of 4.65 cum per 100 meters and supplying and planting hedge plants at 30 cm apart.)	100.00	MTR
52	(ROAD SOR ITEM NO.-12.6/45)	Providing and planting of 3"0" to 4"0" heighted wasingtonia, filipheria/bismarkia novelist plam plants with 1"6" x 1"6" depth pit formation and soil preparation, (Mixing organic manure and plant"s protection insecticide). Up to 4 month maintenance.	20.00	EACH
53	(ROAD SOR ITEM NO.-12.7/45)	Providing and planting of 4"0" to 5"0" heighted Ficus prestige/Blackiana plants with 1"6" x 1"6" depth pit formation and soil preparation, (Mixing organic manure and plant"s protection insecticide). Up to 4 month maintenance.	20.00	EACH
54	(ROAD SOR ITEM NO.-12.8/46)	Providing and planting of Bogenbelia dwarf, chandni dwarf, kaner dwarf vr flower bearing plants with 0"9" x 0"9" depth pit formation and soil preparation work"s, (Mixing organic manure and plant"s protection insecticide). Up to 4 month maintenance	20.00	EACH
55	(ROAD SOR ITEM NO.-12.9/46)	12.9 Providing and planting of dwarf red Ekalyha plants showing mass effect view with 0"9" x 0"9"x1"0" depth pit formation and soil preparation work"s, (Mixing organic manure and plant"s protection insecticide). Up to 4 month maintenance	25.00	EACH
56	(ROAD SOR ITEM NO.-12.10/46)	12.10 Providing and planting of plumeria (Champa) 2"0" to 3"0" heighted plants with 1"0" x 1"0"x1"6" depth pit formation and soil preparation work"s, (Mixing organic manure and plant"s protection insecticide). Up to 4 month maintenance	20.00	EACH
ELECTRICAL SOR				

S.No.	I.NO.	PARTICULAR	QTY.	UNIT
57	19.19	<p>Supplying erection testing and commissioning of hot dipped galvanised (single dip 86 micron) 16 metre High mast pole on existing RCC foundation with all accessories and equipments, detailed as below to withstand wind pressure upto 180km/hr and minimum following specifications:</p> <p>a) HM shaft made of not more than 2 sections of suitable lengths with telescopic stressfit joints between sections without any circumferential welding, sheet thickness 4mm top and bottom sections, nominal dia 460mm on bottom and 150 mm on top, base flange 25mm thick 670mm dia, PCD of foundation bolts 650mm.</p> <p>b) Double drum winch for lowering & raising of lantern carriage on high mast with operatable with power tool/ manual handle attachment with a torque limiting device for safe locking of carriage.</p>	1.00	Each
58	19.23	Designing and providing suitable and approved size RCC foundation for 12-30 mere high mast including steel reinforcement form work, embedding 2 nos 50mm dia PVC pipe for cable entry in each foundation, excavation disposal of surplus soil and curing etc. as per specification including laying and fixing HM foundation bolts with tam plates but excluding the cost of foundation bolts with tam plates etc complete as per specification.	6.00	cum
59	6.29	Supplying of following 230/250 volts LED Flood light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio \geq 120 lumens /watt.		
	6.29.10	250 watt	16.00	Each
60	7.19	<p>Fabrication, supply, installation, testing and commissioning of cubicle type compartmentalized wall/ floor mounted power cum control panel board of specified size and following depth made out of not less than 2 mm thick CRCA MS powder coated sheet with suitable size compartments for bus bars, switchgears and necessary cutouts for voltmeters, ammeters etc as per specifications including powder coating painting but without busbars, switchgears and other accessories etc complete as per specification.</p> <p>(Only face area is to be measured)</p>		
	7.19.2	Above 300 mm and upto 450 mm deep	1.50	sqm
61	7.21	Supply, installation, testing and commissioning of 4 pole (3 phase + neutral) copper (electric grade) bus bars in existing cubicle type compartmentalized wall/ floor mounted panel board along with suitable size and shape insulators, necessary bolts and nuts etc complete as per specification.		
	7.21.3	300 amp (40x5mm)	6.00	Metre

S.No.	I.NO.	PARTICULAR	QTY.	UNIT
62	9.1	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu.		
	9.1.28	4 pole MCCB, 250A, Adjustable Thermal - Magnetic Release, 35KA	1.00	Each
63	9.16	Supplying and fixing TP&N MCB, 440 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.		
	9.16.5	63 amps	8.00	Each
64	12.19	Providing maintenance free earthing with following size GI pipe including making bore pit of minimum 150mm dia, providing and laying approved make Earthing Electrode of Pipe-in-Pipe technology as per IS 3043(R 2016) -1987 made of corrosion free G.I. Pipes having outer pipe of 80mm dia and inner pipe of 50mm dia and filling with specified qty highly conductive compound around pipe and above that with soft soil in bore pit complete and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. as per specification:		
	12.19.1	With 3 metre long GI Pipes and 50 kg back filling compound.	4.00	Each
65	12.2	Excavation for foundation in soft soil/hard soil including dressing of sides and ramming of bottoms, lifting and getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres	8.00	Cum
66	12.16	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as per specification.	30.00	Metre
67	14.2	Supplying and laying HDPE pipe of 4kg/sqcm in ground below road, path etc at a depth not less than 40 cm and upto 90 cm including excavation, dismantling of road if required and refilling the trench with excavated material, ramming and making the surface good etc. as per specification.		
	14.2.1	63 mm outer dia	130.00	Metre
68	15.3	Supplying and laying following sizes one number FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade in existing RCC/ HUME/ STONEWARE/ METAL/ HDPE pipe as per specification, IS: 1554 (1988, Part 1) & IS: 7098 (1988, Part 1).		
	15.3.14	3.5 x 70 sq. mm.	100.00	Metre
	15.3.18	3.5 x 185 sq. mm.	30.00	Metre
69	12.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ concealed conduit/ submain wiring/ cable as per specification.	100.00	Metre

SWM PLANT SITE

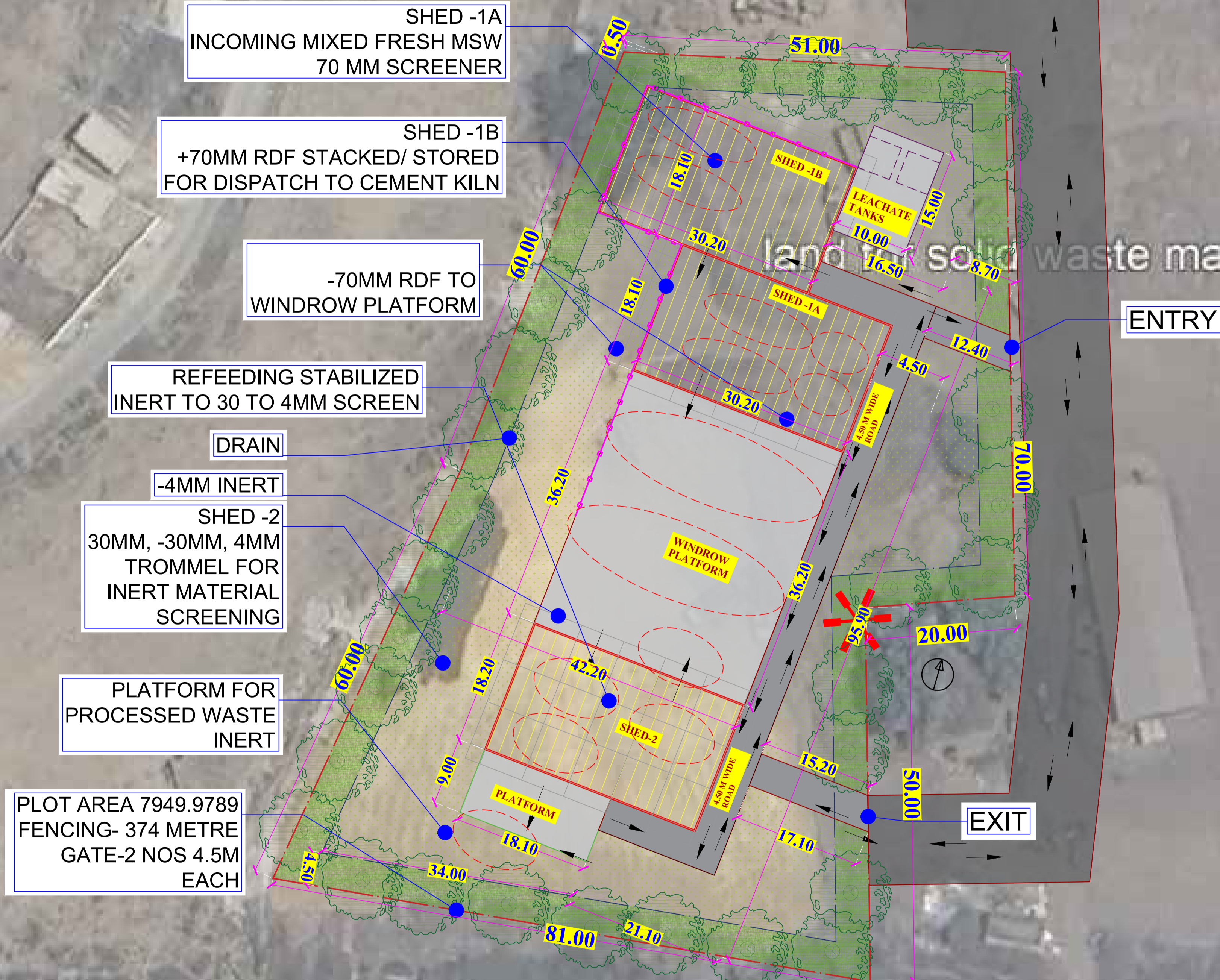
Write a description for your map.

General Store

URGA - RISDI BYPASS ROAD

Google Earth

Image © 2024 Airbus



PLOT AREA 7949.9789
FENCING- 374 METRE
GATE-2 NOS 4.5M
EACH

LEGEND

S.NO.	PARTICULARS	SYMBOL	QUANTITY
A.	PLOT AREA	---	7949.98 SQMT.
1.	SHED	[Hatched Box]	1648.92
2.	WINDROW PLATFORM	[Grey Box]	1,093.24
3.	FENCING	[Red Box]	374.00 RMT.
4.	ROAD	[Dark Grey Box]	600.00 SQMT 134.000 m
5.	DRAIN	[Pink Line]	90.00 RMT.
6.	LEACHATE TANK-2 NOS	[Purple Box]	40.50 SQMT
7.	PLATFORM	[Light Grey Box]	162.90 SQMT
8.	HIGHMAST POLE	[Red Star]	01
10.	OPEN AREA/REM. AREA	[Dotted Box]	2662.4374 SQMT
11.	GREEN BELT/LANDSCAPING	[Green Box]	1636.4533 SQMT
12.	PLANTATION/ TREES	[Tree Symbol]	30.00 NOS.

LAYOUT PLAN

SHEET NO 01A

PROPOSED SOLID WASTE MANAGEMENT PROCESSING PLANT AT BARBASPUR, KORBA

TITLE LAYOUT PLAN	PILLIWAR & ASSOCIATES ENGINEERS, ARCHITECTS, PLANNERS, GIS-CONSULTANTS & REGD. VALUERS, 25-SOUTH AVENUE, CHOUBEY COLONY, RAIPUR (C.G.) PHONE No. - 0771-2255748, 4036748 CELL No. 0-94252-09760 E-MAIL: manishpilliwari@yahoo.com			
SCALE NTS	DWG PATH SER./E/GOV./UAD./KORBA/SWM/PROCESS PLANT	CLIENT MUNICIPAL CORPORATION KORBA (C.G.)		
NOTE ALL DIM. ARE IN M.	PROJECT PROPOSED SOLID WASTE MANAGEMENT PROCESSING PLANT AT BARBASPUR, KORBA FOR KORBA MUNICIPAL CORPORATION			
NORTH ↑	DESIGNED BY MANISH PILLIWAR	DRAWN BY GAURAV REDDY	CHECKED BY MANISH PILLIWAR	DATE 31-05-2024