

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क्र. /2026/798

सिस्टम टेंडर नं. 191762

कोरबा दिनांक 27.05.2026

द्वितीय ई-निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरबा द्वारा लोक निर्माण विभाग एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभियंता लोक निर्माण विभाग, रायपुर द्वारा भवन एवं सड़क कार्य हेतु दिनांक 01.01.2015, विद्युत हेतु 01.06.2020 ए पी.एच.ई. एस.ओ.आर. 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 Form-A में निविदा आमंत्रित की जाती है:-

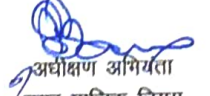
1. फिजिकल सबमिशन लिफाफा प्राप्त होने की अंतिम तिथि - 18.06.2026 सायंकाल से 3.00 बजे तक
2. निविदा खुलने की अंतिम तिथि - 18.06.2026 सायंकाल 4.00 बजे से

क.	कार्य का नाम	प्राक्कलन राशि (लाख में)	धरोहर राशि (FDR/TDR)	कार्यावधि	निविदा प्रतिभागी शुल्क (डिमांड ड्राफ्ट)	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	सीबीजी प्लांट एरिया, बरबसपुर कोरबा छ.ग. में सी.सी. रोड, रिटेनिंग वॉल, बॉक्स कलवर्ट, पिचिंग कार्य का निर्माण कार्य एवं बोरेवेल्स कार्य, पी.एण्ड एफ, हाई मास्ट लाईट एवं स्ट्रीट लाईट का कार्य।	285.00	214000/-	10 माह	3000/-	वर्ग बी एवं प्रवर श्रेणी	18.06.2026 से

शर्त:-

1. 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
2. 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।
3. 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, वैध 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 स्केन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
 - अमानत राशि का वैध FDR/TDR, निविदा प्रतिभागी शुल्क का डिमांड ड्राफ्ट एवं निर्धारित प्रारूप में शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से आयुक्त, नगर पालिक निगम, कोरबा साकेत भवन, आई.टी.आई.चौक रामपुर कोसाबाड़ी पिन- 495677 कोरबा के पते पर भेजना होगा। निर्धारित तिथि को सायं 03:00 बजे के पश्चात् फिजिकल सबमिशन लिफाफा स्वीकार नहीं किया जायेगा।
 - 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 निर्धारित प्रारूप में वैध शपथपत्र (राशि रु. 100/- नॉनज्यूडिशियल स्टाम्प) निविदा आमंत्रण दिनांक के पश्चात् का, निविदा क्रमांक एवं कार्य का नाम अंकित करना अनिवार्य होगा।
 - अमानत राशि का FDR/TDR एवं निविदा प्रतिभागी शुल्क का डिमांड ड्राफ्ट जो कि आयुक्त, नगर पालिक निगम, कोरबा के नाम पर देय हो प्रस्तुत करना अनिवार्य होगा।
4. 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। सुरक्षा राशि एवं परफार्मेंस गारंटी राशि वापसी हेतु समयावधि की गणना कार्य पूर्णता तिथि से किया जायेगा। उक्त समयावधि में निर्माण कार्य की भौतिक स्थिति सही होने तथा सक्षम प्राधिकारी के संतुष्टि के आधार पर भुगतान किया जायेगा।
5. जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन (वर्तमान तक वैधता) एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे एवं कर्मचारी भविष्य निधि संगठन (ई.पी.एफ.) एवं विभिन्न प्रावधानों को धारा 1952 के तहत निविदाकार का जीवित पंजीयन होना आवश्यक है साथ ही निविदा आमंत्रण दिनांक से विगत तीन माह की अवधि में जमा किये गये TRRN Payment Detail चालान की प्रति प्रस्तुत करना तथा ऑनलाईन अपलोड किया जाना अनिवार्य होगा।
6. निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन) अधिनियम 1996 एवं तदंतर्गत निर्धारित नियमों के तहत पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का 1 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
7. ईट से संबंधित निर्माण कार्यों में फ्लाइ ईश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
8. प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
9. 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।
10. निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
11. निविदा प्रपत्र फार्म -ए की कंडिका 11 Price Adjustment (एस्कलेशन) देय नहीं होगा।
12. निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
13. निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
14. उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।

15. ठेकेदार द्वारा संपादित किए गए कार्यों के देयकों का भुगतान कार्य विशेष हेतु बजट आबंटन एवं राशि उपलब्ध होने पर किया जाएगा।
16. निविदा में सफल निविदाकार को ऐसे कार्य जिसकी अनुबंध राशि 10.00 लाख या उससे अधिक है, उनको प्रत्येक कार्यों हेतु पृथक से छ.ग. भवन और सन्निर्माण कर्मचार मण्डल का पंजीयन प्रमाण पत्र प्रस्तुत करना अनिवार्य होगा अन्यथा देयक भुगतान किया जाना संभव नहीं होगा।
17. कार्य क्रियान्वयन से संबंधित गुणवत्ता परीक्षण संबंधी रिपोर्ट पर होने वाले व्यय का वहन संबंधित ठेकेदार द्वारा किया जाएगा।
18. ठेकेदार को निर्माण कार्य के दौरान "निर्माण एवं अपशिष्ट प्रबंधन नियम 2016" में किये गए प्रावधानों का पालन करना अनिवार्य होगा।
19. निविदाकार को विद्युत कार्य हेतु स्वयं का ए वर्ग का विद्युत लाईसेंस/रजिस्ट्रेशन पत्र संलग्न करना अनिवार्य होगा, अथवा किसी द्वितीय पक्ष से कराये जाने पर उसका ए वर्ग का विद्युत लाईसेंस/रजिस्ट्रेशन पत्र एवं आपसी अनुबंध की प्रति संलग्न करना अनिवार्य होगा। उक्त दस्तावेज ऑनलाईन एवं फिजिकल लिफाफे में संलग्न कर प्रस्तुत करना अनिवार्य होगा।
20. सड़क कांकीट कार्य हेतु ठेकेदार को स्वयं के स्वामित्व के आटोमेटिक बैच मिक्सिंग प्लांट की विल की प्रति अथवा लीज पर बैच मिक्सिंग प्लांट लेने का अनुबंध की प्रति एवं प्लांट के विल की प्रति संलग्न करना अनिवार्य होगा।


अधीक्षक अभियंता
नगर पालिक निगम
कोरबा (छ.ग.)

प्रतिलिपि—

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

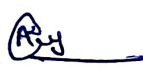
OFFICE OF THE MUNICIPAL CORPORATION KORBA (C.G.)

NAME OF PROJECT : DETAILED ESTIMATE FOR CONSTRUCTION OF CEMENT CONCRETE ROAD AT CBG PLANT AREA BARBASPUR, KORBA (C.G.)

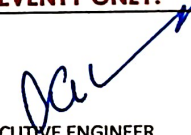
SOR USED : PWD ROAD SOR 01.01.2025

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	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 leads & lifts as per relevant clauses of section 300.								
		1	330.00	8.00	0.50	1320.00			
		1	470.00	8.00	0.50	1880.00			
	(PWD ROAD SOR NO. 3.2/11)					3200.00	CUM	237.00	758400.00
2	Construction of sub-grade with Material Obtained from Borrow Pits/Borrow Area Construction of sub-grade with approved material/selected soil having C.B.R. > 8 (unless specified otherwise in the contract) obtained from borrow pits/borrow area with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2								
		1	330.00	8.00	0.60	1584.00			
		1	470.00	8.00	0.60	2256.00			
	(PWD ROAD SOR NO. 3.13/12)					3840.00	CUM	268.00	1029120.00
3	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, spreading in uniform layers with motor grader on prepared surface watering rolling and compacting with vibratory power roller at OMC to achieve the desired density complete as per clause 401								
	A Plant mix method (with Mechanically crushed stone only)								
	(a) For Sub-base cum drainage layer or upper sub-base with								
	(i) Grading- III Material								
	(PWD ROAD ITEM NO.-4.1(a)i/15)	1	330.00	7.50	0.20	495.00			
		1	470.00	7.50	0.20	705.00			
						1200.00	CUM	1568.00	1881600.00
	(b) For Lower Sub-base with								
	(ii) Grading-V Material								
	(PWD ROAD ITEM NO.-4.1(b)i/15)	1	330.00	7.50	0.25	618.75			
	1	470.00	7.50	0.25	881.25				
					1500.00	CUM	1573.00	2359500.00	
4	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.)								
		1	330.00	7.50	0.10	247.50			
		1	470.00	7.50	0.10	352.50			
	(PWD ROAD SOR NO.-6.1/26)					600.00	CUM	2562.00	1537200.00

5	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 slip form I fixed 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, de bonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing as per clause 602.							
B	Using Fixed Form Paver							
(i)	With Cement concrete grade M-40 and minimum cement content (ci) 400 kg/ cum.							
		1	330.00	7.50	0.30	742.50		
		1	470.00	7.50	0.30	1057.50		
	(ROAD SOR. ITEM NO.-6.2(I)/26)					1800.00	CUM	5,041.00
6	4.11 Construction of Shoulders Construction of shoulders with selected soil from borrow pits I borrow areas having CBR not less than 12 and shall have L.L. and P .I. not more than 25% and 6% respectively, inclusive of all leads and lifts, including clearing and scrapping of existing surface, providing required cross fall, compacting. watering, rolling etc. complete as per clause 408.							
	(A) With Vibratory roller							
		2	330.00	1.50	0.30	297.00		
		2	470.00	1.50	0.30	423.00		
	(ROAD SOR. ITEM NO.-4.11(A)/19)					720.00	CUM	327.00
Total Rs.								16875060.00
add 18% GST As per SOR								3037510.80
Grand Total.								19912570.80
Or Say.								19912570.80
SAY RS : ONE CRORE NINETY NINE LAKH TWELVE THOUSAND FIVE HUNDERAD SEVENTY ONLY.								


 SUB ENGINEER
 MUNICIPAL CORPORATION
 KORBA (C.G.)


 ASSISTANT ENGINEER
 MUNICIPAL CORPORATION
 KORBA (C.G.)


 EXECUTIVE ENGINEER
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 KORBA (C.G.)

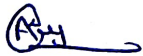
OFFICE OF THE MUNICIPAL CORPORATION KORBA (C.G.)

NAME OF PROJECT : CONSTRUCTION OF RETAINING WALL AND BOX CULVERT AND PITCHING WORK BARBASPUR, KORBA (C.G.)

As Per Sor :- Schedule of Rates Public Works Department [PWD BUILDING 01-01-2015]

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	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 levelling of pits.								
	In All Types of soil								
	For Retaining Wall	1	150.00	2.50	1.50	562.50			
	For Box Culvert	3	15.00	5.00	1.50	337.50			
	For Gate Work	1	150.00	1.00	0.60	90.00			
						990.00	Cum	185.00	183150.00
2	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.								
						396.00	Cum	65.00	25740.00
3	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
		1	150.00	2.50	0.30	112.50			
		3	15.00	5.00	0.30	67.50			
		1	150.00	1.00	0.30	45.00			
						225.00	Cum	371.00	83475.00
4	Providing and laying nominal mix 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)								
		1	150.00	2.50	0.20	75.00			
		3	15.00	5.00	0.20	45.00			
		1	150.00	1.00	0.20	30.00			
						150.00	cum	2970.00	445500.00
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone Aggregate)								
		1	150.00	2.50	0.20	75.00			
		3	15.00	5.00	0.20	45.00			
		1	150.00	1.00	0.20	30.00			
					150.00	cum	4073.00	610950.00	
5	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its Foundations, footings, base of columns and plinth beam in any shape and size								
		140	4.00	1.40	0.40	313.60			
		140	2.00	0.20	1.50	84.00			
		140	2.00	0.30	1.50	126.00			
		1	2.00	400.00	0.30	240.00			
		4	4.00	1.60	0.50	12.80			
		4	4.00	0.40	1.20	7.68			
		4	2.00	4.00	0.30	9.60			
		2	2.00	20.00	0.15	12.00			
						805.68	sqm	139.00	111989.52
	Columns, Pillars, Piers and likes- rectangular or square in shape								
		140	2.00	0.20	2.40	134.40			
		140	2.00	0.30	2.40	201.60			
		4	4.00	0.40	3.00	19.20			
						355.20	sqm	297.00	105494.40
Beams, lintels, cantilevers & walls									
	6	5.00		0.30	9.00				
					9.00	sqm	202.00	1818.00	
6	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work.								
	1:1½:3 (1 cement : 1½ coarse sand ; 3 graded stone aggregate 20mm nominal size).								
	Footing	140	1.40	1.40	0.40	109.76			
		140	0.30	0.20	1.50	12.60			

		1	400.00	0.20	0.30	24.00			
		140	0.30	0.20	2.40	20.16			
		4	1.60	1.60	0.50	5.12			
		4	0.40	0.40	1.20	0.77			
		2	5.00	0.20	0.30	0.60			
		2	0.40	0.40	3.00	0.96			
		1	5.00	0.30	0.30	0.45			
						174.42	cum	4163.00	726102.13
7	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:					21.57	cum	97.50	2103.08
8	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					19295.00	kg	54.50	1051577.50
9	Brick work with modular fly-ash lime bricks (FALG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		1	400.00	0.20	0.60	48.00			
		1	400.00	0.20	2.40	192.00			
						240.00	cum	3263.00	783120.00
10	Extra for brick work in superstructure: Above plinth and upto floor five level.					192.00	cum	121.00	23232.00
11	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.					790.00	kg	67.50	53325.00
12	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	1	400.00		3.00	1200.00	sqm	91.50	109800.00
13	15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	1	400.00		3.30	1320.00	sqm	107.00	141240.00
14	Applying one coat of cement primer on wall surface (applied @ 0.80 litres/10 sqm) complete.					2520.00	sqm	23.00	57960.00
15	14.15 Painting exterior surface with 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								
	14.15.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @					2520.00	sqm	56.00	141120.00
15	Painting on new work (two or more coats) to give an even shade with								
	Satin synthetic enamel paint	4	5.05		3.05	61.61	Sqm	55.00	3388.55
						61.61	Sqm	55.00	3388.55
								Total Rs.	4661085.18
								Say Amount Rs. (Lacs)	46.61

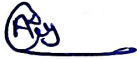

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	21.11.4 200mm dia (BUILDING SOR ITEM NO. 21.11/200)								
5	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.	1				1	EACH	240.00	240.00
	21.12.4 200mm clamp (BUILDING SOR ITEM NO. 21.12/200)								
6	Supplying & Installation of Energy efficient five star BEE rating ISI Marked required capacity of Three Phase, 50 Hz, 415V, deep well submersible pump Steel body, suitable for 6" tube well with Control Panel Starter suitable for Submersible pump with dry run protection, single phase preventer, connections, including clamps, bore cap etc. as required as per specifications but excluding pipe and connection cable.	1				1	EACH	1199.00	1199.00
	(I) 3 HP with 6 stages, head MT. 55-7 discharge 60-510 3 Hp Pump								
	(PHE SOR ITEM NO.-34.20.106/353/2020)	1				1	EACH	36173.00	36173.00
7	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tube well as per IS:2800 (part I).								
	21.13.4 200mm dia (BUILDING SOR ITEM NO. 21.13/201)								
		1				1	EACH	200.00	200.00
8	Supply, installation, testing and commissioning of 1-3 HP 1 phase submersible motor starter cum control wall/ floor mounted type made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgears there in including connection inter-connection etc. as per specification. a) Phase indicating lamps with fuses and toggle switches 1 set b) 1/2/3 HP 1 phase DOL starter with over load and no volt relay 1 No c) 25 A "C" curve DPMCB 1 No d) Voltmeter 0-250 V 1 set e) Ammeter 0-10 A 1 set	1				1	each	4030.00	4030.00
9	Supplying and making water proof joint with heat shrinkable joint kit including copper ferrules for following size of 3 core submersible copper conductor cable of 1.1 KV grade as per specification. 3x4.0 sqmm	1	148			148	m	264.00	39072.00

10	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.								
	Above 300 mm and upto 450 mm deep	1	0.6	0.45		0.270			
						0.270	sqm	7525.00	2031.75
11	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.								
	3 pole MCCB, 25-63A, Fixed Thermal Release, 10KA					2	each	1483.00	2966.00
(For One Nos) Total Rs=.									225713.75
FOR 2 NOS									451427.50
Say rs.=									4.52 LAKH



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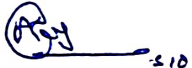
OFFICE OF THE MUNICIPAL CORPORATION KORBA (C.G.)

NAME OF PROJECT : DETAILED ESTIMATE FOR HIGH MAST POLE LIGHTING AT CBG PLANT AREA BARBASPUR, KORBA (C.G.)

SOR USED : PWD ELECTRICAL SOR 01.06.2020

S.No.	SOR	PARTICULAR	QTY.	UNIT	RATE(in Rs.)	AMOUNT(in Rs.)
1	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 circumpherential 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> <p>c) Raising/lowering type lantern carriage designed to carry specified nos of luminaries, control gear box, junction box.</p> <p>d) Top pulley assemble with weather proof cover.</p> <p>e) 3 Nos suitable length and size stainless steel wire ropes (minimum 6mm dia and 7/19 construction) for lowering & raising of lantern carriage.</p> <p>f) Suitable size and length multicore flexible copper power trailing cable (minimum 3 core 4 sqmm)</p> <p>g) Hinged service door in base section</p> <p>h) Base plate earthing terminal.</p> <p>i) Suitable arrangement for supply distribution with termination of suitable size underground cable in high mast.</p> <p>j) Lightning conductor finial made of 25mm dia 300 mm long G.I. tube having single prong.</p> <p>k) Anchor plate of size 840x840x6mm, tem-plates 3mm thick, GI foundation bolts 8 Nos of 30 mm dia 850 mm long (EN 8 Grade) along with nuts washers etc. (RCC foundation and luminaries will be paid separately)</p>	1.00	Each	233700.00	233700.00
2	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	5219.00	31314.00
3	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 ≥ 120 lumens /watt.				
	6.29.10	250 watt	16.00	Each	15972.00	255552.00
4	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	7525.00	11287.50
5	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.	6.00	Metre	2659.00	15954.00
	7.21.3	300 amp (40x5mm)				
6	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.	1.00	Each	14106.00	14106.00
	9.1.28	4 pole MCCB, 250A, Adjustable Thermal - Magnetic Release, 35KA				
7	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.	8.00	Each	1316.00	10528.00
	9.16.5	63 amps				

3	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	10955.00	43820.00
7	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	168.00	1344.00
0	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	115.00	3450.00
1	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	124.00	16120.00
2	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	248.00	24800.00
	15.3.18	3.5 x 185 sq. mm.	30.00	Metre	586.00	17580.00
13	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	19.00	1900.00
					Total Rs.	681455.50
					Or Say Rs.	681000.00



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KORBA (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION KORBA (C.G.)

**NAME OF PROJECT : DETAILED ESTIMATE FOR STREET LIGHTING WORK AT CBG PLANT AREA
BARBASPUR, KORBA (C.G.)**

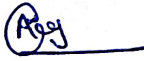
SOR USED : PWD ELECTRICAL SOR 01.06.2020

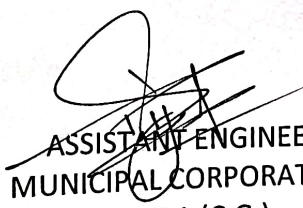
SI.No.	SOR No.	Description	unit	Qty	Rate	Amount
1	19.8	Supply of hot dipped galvanized (in single dip to minimum 75 micron) octogonal pole made of 3mm thick steel grade E-350 sheet having window and flush cover with locking arrangement at suitable height from base for cable termination block, pole suitably reinforced with welded steel section at window cut section to make the strength of pole unaffected, with following minimum specifications with 4 way terminal connector including 4mm thick anchor plate, 4 nos 24mm dia foundation bolts of EN8 grade, and as per IS 2062 & BS EN: 10025. (designed for wind speed upto 180km/hr, IS: 875 Part 3)				
	19.8.1	9 metre high, dia 155mm at bottom and 90mm at top, base plate size 260x260x16mm, foundation bolts 750mm long	Each	40.00	13974.00	558960.00
2	19.9	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffner of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as per specification.				
	19.9.7	Double Over Hang 1.50 metre Long	Each	40.00	1869.00	74760.00
3	19.11	Erection of GI octogonal/ tubular/conical pole on existing cement concrete foundation having grouted bolts and nuts, aligning in true vertical position as per specification.				
	19.11.7	9 metre high	Each	40.00	985.00	39400.00
4	6.28	Supplying, installation, testing and commissioning of following 230/250 volts LED street 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.				
	6.28.13	210 watt	Each	80.00	14057.00	1124560.00

5	32.7	Supplying following sizes FRLS PVC insulated , PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade and as per IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).				
	32.7.9	3 x 25 sq. mm	Metre	1000.00	97.00	97000.00
6	19.12	Designing and providing suitable RCC foundation in Cement Concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) for 3 mere to 12 metre high GI octagonal pole 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.				
		TOTAL pole (0.8x.8x.8x.8) at Every 20 mtr	cum	40.00	5219.00	208760.00
7	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	Metre	800.00	124.00	99200.00
8	14.3	Supplying and laying following size medium class G.I. pipe 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.				
	14.3.3	100 mm internal dia	Metre	20.00	879.00	17580.00
9	15.1	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavtion, sand cushioning, protective covering and refilling the trench etc as per specification. IS: 1554 (1988, Part 1) /				
	15.1.24	4 x 25 sq. mm.	Metre	720.00	321.00	231120.00
10	15.23	Supplying and making end termination with brass compression gland and aluminum lugs for following size armoured aluminum conductor power cable of 1.1 KV grade as per specification. .				
	15.23.25	4 X 25 sq. mm (25 mm)	Each	1000.00	104.00	104000.00
11	12.1	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	Set	8.00	3243.00	25944.00

12	12.3	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	Set	8.00	6209.00	49672.00
13	12.12	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including soldering, excavation and refilling the trench etc. as per specification.	Metre	100.00	36.00	3600.00
14	7.19	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				
	7.19.1	Upto 300 mm deep	sqm	4.00	6818.00	27272.00
15	7.20	Supply, installation, testing and commissioning of 4 pole (3 phase + neutral) aluminium 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.				
	7.20.1	100 amp (20x3mm)	Metre	40.00	717.00	28680.00
16	7.15	Providing and making interconnection in cubical panel between BBC and switchgears with following size FRLS PVC insulated aluminium conductor wire lead of length upto 50cm including providing aluminium thimbles on both ends as per specification (To be measured separately for each phase/ neutral).				
	7.15.2	16 sqmm (63 amp)	Each	8.00	55.00	440.00
17	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.				
	9.1.4	3 pole MCCB, 100A, Adjustable Thermal - Magnetic Release, 25KA	Each	20.00	3734.00	74680.00
18	9.11	Supplying and fixing SP MCB, 240 volts, 'C' curve, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
	9.11.2	6 amps to 32 amps	Each	16.00	148.00	2368.00
19	9.12	Supplying and fixing DP MCB, 240 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				

20.	9.12.2	6 amps to 32 amps	Each	10.00	411.00	4110.00
	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	Each	4.00	1316.00	5264.00
21	10.17	Providing and fixing penal mounting 230 volt LED type indicating lamp in existing cubical panel including, connections, testing and commissioning etc. as per specification.	Each	10.00	94.00	940.00
22	10.18	Providing and fixing penal mounting following rating analog type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and commissioning etc. as per specification.				
	10.18.2	0-100 amps	Each	20.00	372.00	7440.00
23	10.20	Providing and fixing penal mounting 0-500 volt voltmeter of size 100x100 (NS) in existing cubical panel including, connections, testing and commissioning etc. as per specification.				
	10.20.1	Analog type	Each	6.00	397.00	2382.00
24	10.21	Providing and fixing penal mounting selector switch in existing cubical panel including, connections, testing and commissioning etc. as per specification.				
	10.21.1	For voltmeter	Each	12.00	189.00	2268.00
	10.21.2	For ammeter	Each	12.00	207.00	2484.00
Total Ammount (Rs.) =					27,92,884.00	
Say Rs =					27,93,000.00	


SUB ENGINEER
MUNICIPAL CORPORATION
KORBA (C.G.)


ASSISTANT ENGINEER
MUNICIPAL CORPORATION
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EXECUTIVE ENGINEER
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KORBA (C.G.)