

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 88 / निर्माण / 2022

सिस्टम टेंडर नं. 113765

कोरबा दिनांक 04.11.2022

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 सड़क कार्य हेतु दिनांक 01.01.2015 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 निविदाएं आमंत्रित की जाती है :-

क.	कार्य का नाम	प्राक्कलन राशि (लाख में)	धरोहर राशि	कार्यावधि	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	वार्ड क 01 अग्रसेन तिराहा से ओव्हर ब्रिज तक, वार्ड क 7 गायत्री मंदिर स्कूल से हनुमान मंदिर सामुदायिक भवन तक, वार्ड क 2 सुनालिया ब्रिज से अग्रसेन तिराहा तक, गुरुघासीदास चौक से एस.ई.सी.एल. गेट मुड़ापार तक, दादर खुर्द से भालू सटका तक एवं वार्ड क 51 चौरसिया चिकन सेंटर से एन.टी.पी.सी. प्लांट रोड तक सड़क डामरीकरण कार्य	332.05	250000/-	06 माह (वर्षा ऋतु छोड़कर)	वर्ग बी एवं प्रवर श्रेणी	22.11.2022 से

- 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 उन्हें निविदा भरने की पात्रता नहीं होगी।
- इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशिप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, आयकर प्रमाण पत्र/पेन नम्बर, जी.एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि ऑनलाईन जमा करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड एवं धरोहर राशि का स्केन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
- सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।
- निविदा उन्हीं ठेकेदारों को प्रदाय किये जावेंगे जो कि कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो अन्यथा निविदा प्रदाय नहीं किया जावेगा।
- 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 देना अनिवार्य होगा।
- 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।
- सशर्त निविदा स्वीकार नहीं की जावेगी। निविदा उन्हीं ठेकेदारों को दी जाएगी जिन्हें इस प्रकार के कार्य का अनुभव हो।
- 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 का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
- अन्य सूचनाएं नगर पालिक निगम, साकेत भवन रामपुर कोरबा कार्यालय में प्राप्त की जा सकती है।
- बिना कारण बताये निविदा स्वीकृत/अस्वीकृत या पूर्ण रूप से अमान्य करने का अधिकार सक्षम अधिकारी/प्राधिकारी को रहेगा।
- डामरीकरण कार्य का निविदा प्रपत्र कय करते समय ठेकेदार को स्वयं के स्वामित्व के आटोमेटिक ड्रम मिक्स प्लांट, रोलर एवं अन्य मशीनरी, हॉट मिक्स प्लांट, पेवर फिनिशर एवं रोड रोलर आदि मशीनों के प्रमाण पत्र आवेदन के साथ संलग्न करना आवश्यक होगा तथा निविदाकार का 60 किमी. की परिधि में हॉल मिक्स प्लांट होना आवश्यक है।
- ठेकेदार द्वारा 60/70 ग्रेड का डामर IOC, BPCL, HPCI से ही कय कर लगाना होगा। ठेकेदार को तेल कंपनी को दी जाने वाली प्रदाय आदेश की प्रतिलिपि इस कार्यालय को देनी होगी।
- कार्य में प्रयुक्त डामर खरीदी के देयक (बिल) कार्यालय में प्रस्तुत करने पर ही भुगतान किया जायेगा।
- जब निविदा के दरों में असामान्य कमी प्रतीत हो तब सफल निविदादाता से अनुबंध के समय अतिरिक्त परफार्मेंस राशि जमा कराई जावेगी, जबकि निविदा की दरों में काफी कमी हो, जैसे निविदादाता को अनुमानित लागत से 10 प्रतिशत से कम निविदा दर होने पर सफल निविदादाता को निविदा दर एवं अनुमानित लागत के अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक का एफ.डी.आर. पोस्ट ऑफिस टाइम डिपॉजिट, एन.एस.सी. जो कि संबंधित निकाय के आयुक्त/मुख्य नगर पालिका अधिकारी के नाम से देय होगा, जमा कराना अनिवार्य होगा उपरोक्त राशि को जमा न कराने की दशा में निविदा निरस्त कर दी जावेगी।


कार्यालय अभियंता
नगर पालिक निगम
कोरबा (छत्तीसगढ़)

प्रतिलिपि-

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

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		04.11.22	17.30	04.11.22	17.30	Release Tender
2		Bid Submission	04.11.22	17.30	21.11.22	17.30	
3	Tender Open		22.11.22	10.30	--	--	


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

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

ABSTRACT

PROJECT: PAVING WORK OF BT ROAD FROM AGRASEN TIRAHA TO OVERBRIDGE WARD NO. 01
 ORDER: SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD ROAD-01.01.2015]

SN	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	5.2	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503.				
	(i)	Bituminous surface @ 0.25 kg /Sqm	Sqm	11449.50	15.00	171,742.50
	(ii)	Granular surfaces treated with primes @ 0.30 kg /Sqm	Sqm	852.00	17.00	14,484.00
2	5.3	Bituminous Macadam (Providing and laying bituminous macadam as per clause 504 with mixed prepared in minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled to achieve the desired compaction)				
	B	With mechanical paver finisher				
	(ii)	for Grading-II(19 mm nominal maximum size, bitumen content 3.40%)	Cum	179.72	6255.00	1,124,148.60
3	5.8	Close Graded Premix Surfacing/Mixed Seal Surfacing (Mechanical means using minimum 40-60 TPH capacity of HMP. Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness using bitumen to the required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a Smooth wheeled roller 8-10 tonne capacity, and finishing to required level and grade, complete as per clause 508)				
	II.	With mechanical paver finisher				
	A	With bitumen				
	ii)	Type B (13.2 mm to 0.09 mm size aggregates)	Sqm	7348.00	146.00	1,072,808.00
4	NS-2	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35-1997. The finished surface to be level, uniform and free from streaks and holes.)	sqm	862.74	707.00	609,957.18

As per Estimate Amount Rs. 2993140.28

Say Rs. 300 00
Cac


 Sub Engineer
 Nagar PalikNigam
 Korba (C.G.)


 Assistant Engineer
 Nagar PalikNigam
 Korba (C.G.)

3

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

Work: TARRING WORK OF BT ROAD FROM GAYATRI MANDIR SCHOOL TO HANUMAN MANDIR SAMUDAYIK BHAWAN WARD
NO. 71
Per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD ROAD-01.01.2015]

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	2.5	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 1000 meters, stacking serviceable and unserviceable materials separately and as per relevant clauses of section-200.				
	A	Bituminous courses	Cum.	421.50	542.00	228,453.00
	B	Granular courses	Cum.		390.00	
2	3.13	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 with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2)	Cum.	281.00	250.00	70,250.00
3	4.1	Granular Sub-base as per Table:- 400-1 Construction of granular sub-base by providing 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 Lower Sub-base with		421.50	1423.00	599,794.50
4	4.10	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.)	Cum	491.75	1434.00	705,169.50
5	5.1	Prime coat (Providing and applying primer coat with oil based bitumen emulsion (SS-1, grade confirming to IS:8887) on prepared surface of granular Base including clearing of road surface and spraying primer using mechanical means as per clause 502.				
	(i)	on WBM/WMM surface @0.85 Kg/sqm.	Sqm	1405.00	64.00	89,920.00
6	5.19	Providing and laying leveling course / profile corrective course with bituminous macadam With minimum 40-60 TPH capacity hot mix plant using crushed aggregates of Grading-1 premixed with bituminous binder @ 3.1% transported to site and laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clause-501.6 and 501.7 to achieve the desired compaction complete in all respect and as per relevant clause section 500.				
	B	With mechanical paver finisher	Cum	112.40	5432.00	610,556.80
7	5.2	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503.				

(4)

DESCRIPTION			UNIT	QTY	RATE	AMOUNT
Bituminous surface @ 0.25 kg /Sqm			Sqm	5074.00	15.00	76,110.00
		Bituminous Macadam (Providing and laying bituminous macadam as per clause 504 with mixed prepared in minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled to achieve the desired compaction)				
	B	With mechanical paver finisher				
	(ii)	for Grading-II(19 mm nominal maximum size, bitumen content 3.40%)	Cum	148.00	6255.00	925,740.00
9	5.8	Close Graded Premix Surfacing/Mixed Seal Surfacing (Mechanical means using minimum 40-60 TPH capacity of HMP. Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness using bitumen to the required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a Smooth wheeled roller 8-10 tonne capacity, and finishing to required level and grade, complete as per clause 508)				
	A	With bitumen				
	ii)	Type B (13.2 mm to 0.09 mm size aggregates)	Sqm	3494.00	146.00	510,124.00
10	NS-3	Bituminous Surface (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35-1997. The finished surface to be level, uniform and free from streaks and holes.)	sqm	258.75	707.00	182,936.25

As per Estimate Amount Rs. 3999054.05

Say Rs. 40.00 Lac

Sub Engineer
Nagar PalikNigam
Korba (C.G.)

Assistant Engineer
Nagar PalikNigam
Korba (C.G.)

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

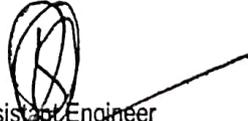
ABSTRACT

Work : **ARRANGING WORK FROM AGRASEN TIRAHA TO SUNALIYA CHOWK** *Repairing & Strengthening Warana.02*
S per SOR : **SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD ROAD-01.01.2015]**

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	5.2	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503.				
	(i)	Bituminous surface @ 0.25 kg /Sqm	Sqm	7355	15.00	110,325.00
2	5.3	Bituminous Macadam (Providing and laying bituminous macadam as per clause 504 with mixed prepared in minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled to achieve the desired compaction)				
	B	With mechanical paver finisher				
	(ii)	for Grading-II(19 mm nominal maximum size, bitumen content 3.40%)	Cum	24.50	6255.00	153,247.50
3	5.8	Close Graded Premix Surfacing/Mixed Seal Surfacing (Mechanical means using minimum 40-60 TPH capacity of HMP. Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness using bitumen to the required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a Smooth wheeled roller 8-10 tonne capacity, and finishing to required level and grade, complete as per clause 508)				
	II.	With mechanical paver finisher				
	A	With bitumen				
	ii)	Type B (13.2 mm to 0.09 mm size aggregates)	Sqm	6375.00	146.00	930,750.00

As per Estimate Amount Rs. **1194322.50**


Sub Engineer
Nagar PalikNigam
Korba (C.G.)


Assistant Engineer
Nagar PalikNigam
Korba (C.G.)

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

ABSTRACT

CONSTRUCTION & WIDNING OF B.T. ROAD FROM GURUGHASI DAS CHOWK TO SECL

Work :
COME GATE.

As per SOR

SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD ROAD-01.01.2015]

S.NO.	SOR NO.	PARTICULAR	UNIT	QTY	RATE	AMOUNT
1	3.2	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.				
			Cum	268.00	95.00	25460.00
2	3.15	Compacting Original Ground				
	(ii)	Compacting Original Ground supporting embankment Loosening, leveling and compacting original ground to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at O.M.C. and then compacted by rolling so as to achieve minimum dry density as given in table 300-2 for embankment construction.				
			Cum	752.70	28.00	21075.60
3	4.1	Granular Sub-base as per Table:- 400-1 Construction of granular sub-base by providing 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) b) For Sub-base cum drainage layer or upper sub-base with (i)Grading-V Material				
			Cum	536.00	1372.00	735392.00
4	4.10	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.)				
			Cum	520.00	1434.00	745680.00
5	5.1	Prime coat (Providing and applying primer coat with oil based bitumen emulsion (SS-1, grade confirming to IS:8887) on prepared surface of granular Base including clearing of road surface and spraying primer using mechanical means as per clause 502.				
	(i)	on WBM/WMM surface @0.85 Kg/sqm.	Sqm	2680.00	64.00	171520.00
6	5.3	Bituminous Macadam (Providing and laying bituminous macadam as per clause 504 with mixed prepared in minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the required grade, level and thickness and rolled to achieve the desired compaction)				
	B	With mechanical paver finisher				
	(II)	for Grading-II (19 mm nominal maximum size, bitumen content 3.40%)	Cum	358.00	6255.00	2239290.00
7	5.2	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause				
	(i)	Bituminous surface @ 0.25 kg /Sqm	Sqm	8680.00	15.00	130200.00

Executive Engineer,
Municipal Corporation
KORBA (C.G.)

		ular surfaces treated with primes @ 0.30 kg /Sqm	Sqm	2680.00	17.00	45560.00
		ose Graded Premix Surfacing/Mixed Seal Surfacing (Mechanical means using minimum 40-60 TPH capacity of HMP. Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness using bitumen to the required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a Smooth wheeled roller 8-10 tonne capacity, and finishing to required level and grade, complete as per clause 508)				
	ii	With mechanical paver finisher				
	A	With bitumen				
	(ii)	Type B (13.2 mm to 0.09 mm size aggregates)	Sqm	4480.00	146.00	654080.00
9	4.13	Construction of Shoulders (Construction of shoulders as per clause 408 with selected soil from borrow pits / 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 and royalty charges etc. complete.				
	A	With vibratory roller	Cum	499.20	291.00	145267.20
10	3.20	Construction of RCC open drain				
	(iii)	Construction of RCC open drain 1.0m x 1.0m inside dimension lined with 150 mm thick RCC M-20 walls, 150 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 10 mm dia horizontal bars @ 150 mm c/c and L-shaped 10 mm dia vertical bars @ 150 mm c/c (L=1400 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.				
			Mtr	300.00	4905.00	1471500.00
11	8.13	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35-1997. The finished surface to be level, uniform and free from streaks and holes.)				
			Sqm	252.20	707.00	178305.40
				TOTAL		6563330.20
				SAY RS:		6563000.00

Sub. Engineer
Municipal Corporation
Korba (C.G.)

Asst. Engineer
Municipal Corporation
Korba (C.G.)

Exe. Engineer
Municipal Corporation
Korba (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)
DETAILED ESTIMATE

Work:- Dadar khurd to Bhalu satka Road Maintenance and tarring work at Korba

Schedule of rates public works department [PWD ROAD-01-01-2015]

S.N.	SOR Ref.	DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT	
1	3.3	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									
			2	500.0	2.50	0.3	750.0				
			1	700.0	2.50	0.3	525.0				
							Total=	1275.00	Cum	95.00	121125.00
2	2.50	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 1000 meters, stacking serviceable and Nunserviceable materials separately and as per relevant clauses of section-200.									
			B	Granular courses-Existing							
			1	500.0	4.0	0.15	300.0				
							300.00	Cum	390.00	117000.00	
3	5.1	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503									
				Bituminous surface @ 0.25 kg /Sqm							
			1	2000.00	6.00		12000.00				
			1	1500.00	6.00		9000.00				
			2	25.00	25.00		1250.00				
					total=	22250.00	sqm	15.00	333750.00		

		4.10 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							
			1	700.00	2.00	0.20	280.00		
			1	500.00	6.30	0.20	630.00		
			1	80.00	10.00	0.25	200.00		
							Total=	1110.00	Cum 1434.00 1591740.00
8	3.3	Prime coat (Providing and applying primer coat with oil based bitumen emulsion (SS-1, grade confirming to IS:8887) on prepared							
		i) on WBM/WMM surface @	1	500.0	6.20		3100.0		
			1	700.00	1.50		1050.0		
			1	80.00	9.00		720.0		
							Total=	4150.00	sqm 64.00 265600.00
9	5.3	Bituminous Macadam (Providing and laying bituminous macadam as per clause 504 with mixed prepared in minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher							
		B With mechanical paver finisher							
		(ii) for Grading-II(19 mm nominal maximum size,							

		1	1920.00	6.00	0.05	576.00			
		1	80.00	9.00	0.050	36.00			
		1	25.00	25.00	0.050	31.25			
					Total=	643.25	Cum	6255.00	4023528.75
10	5.5	Close Graded Premix Surfacing/Mixed Seal Surfacing (Mechanical means using minimum 40-60 TPH capacity of HMP. Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness using bitumen to the required line,							
		II. With mechanical paver finisher							
		ii) Type B (13.2 mm to 0.09 mm size aggregates)							
		1	1920.00	6.00		11520.00			
		1	80.00	9.00		720.00			
		1	25.00	25.00		625.00			
					Total=	12865.00	Sqm	146.00	1878290.00
11	4.15	Construction of Shoulders (Construction of shoulders as per clause 408 with selected soil from borrow pits / 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							
		With vibratory roller							
		2	2000.00	1.5	0.2	1200			
					Total=	1200.00	Cum	291.00	349200.00

		Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per							
			2	2000	0.1		400.00		
			1	2000	0.1		200.00		
		zebra	6	1	30		180.00		
							780.00	Sqm	707.00 551460.00
13	9.4	Providing and laying Reinforced Cement Concrete pipe NP 3 / prestressed concrete pipe on first class bedding. (Laying Reinforced cement concrete pipe NP3 /prestressed concrete pipe for culverts on first class							
		600 mm dia	3.00	10.00			30 m		2617 78510
		1000 mm dia	3.00	10.00			30 m		5528 165840
14	3.2	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 @	2.00	600.00			1200 m		2592 3110400

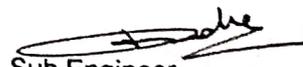
	3.25 Construction of RCC Drain/Cover/Chamber (i) Excavation for drain (Earth work in excavation for drain/chamber as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material)									
		3	10.00	1.00	1.80	54.00				
		3	10.00	1.80	1.80	97.20				
					total=	151.20	cum	140.00	21168.00	
16	Construction of RCC drain/chamber cover, placing in position, providing shuttering and concreting by using concrete mixer, compaction by vibration etc complete as per drawings and technical specifications excluding reinforcement. with RCC M-20									
		3	10.00	0.80	0.20	4.80				
		3	10.00	1.30	0.20	7.80				
		24	1.00	0.25	1.50	9.00				
		3	10	0.8	0.30	7.20				
		3	10	1.3	0.30	11.70				
		1	168	1.2	0.10	20.16				
						60.66	cum	4146.0	251496.36	
17	Supplying, Fitting and Placing un-coated HYSD bar Reinforcement in drain/cover/chamber complete as per Drawing									
		0.1	60.66			6.07	mt	56301.0	341521.87	

total= 15447825.98

say rs.= 15448000.00

Executive. Engineer
Municipal Corporation
Korba (C.G.)


Asstt. Engineer
Municipal Corporation
Korba (C.G.)


Sub Engineer
Municipal Corporation
Korba (C.G.)

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

DETAILED ESTIMATE

Work :- TARRING OF ROAD FROM CHOURASIA CHIKAN CENTER TO N.T.P.C. PLANT ROAD,
 ARL NO. 51

per Sor :- Schedule of Rates Public Works Department [PWD ROAD 01-01-2015]

no.	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
1	Scarifying Existing Granular Surface to a depth of 50 mm (Scarifying the existing granular road surface to a depth of 50 mm and disposal of scarified material within all lifts and leads up to 1000 meters) as per clause 305.4.3.	1	300.00	4.30		1290.00	Sqm.	18	23220
2	Scarifying existing bituminous surface to a depth of 50 mm (Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material with in all lifts and lead up to 1000 meters) as per clause 305.4.3.	1	1200.00	4.30		5160.00	Sqm.	23	118680
3	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade conforming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503.								
	(i) Bituminous surface @ 0.25 kg /Sqm	1	1200.00	3.85		4620.00	Sqm.	15.00	69,300.00
	(ii) Granular surfaces treated with primes @ 0.30 kg /Sqm	1	300.00	3.85		1155.00	Sqm.	17.00	19,635.00
4	Bituminous Macadam (Providing and laying bituminous macadam as per clause 504 with mixed prepared in minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled to achieve the desired compaction)								
	B. With mechanical paver finisher								
	for Grading-II(19 mm nominal maximum size, bitumen content 3.40%)	1	1500.00	3.85	0.05	288.75	cum	6,255.00	1,806,131.25
5	Close Graded Premix Surfacing/Mixed Seal Surfacing (Mechanical means using minimum 40-60 TPH capacity of HMP. Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness using bitumen to the required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a Smooth wheeled roller 8-10 tonne capacity, and finishing to required level and grade, complete as per clause 508)								
	With mechanical paver finisher								
	A .With bitumen								
	Type B (13.2 mm to 0.09 mm size aggregates)	1	1500.00	3.85		5775.00	Sqm	146.00	843,150.00

Construction of Shoulders (Construction of shoulders Case 408 with selected soil from borrow pits low areas having CBR not less than 12 and shall L. and P.I. not more than 25% and 6% inclusive of all leads and lifts, including clearing and scrapping of existing surface, providing required cross fall, compacting, watering rolling and royalty charges etc. complete.								
With smooth wheeled roller	2	1440.00	1.00	0.15	432.00	Cum	277.00	119,564.00
Total Amount Rs								2,999,780.25
Say Rs								3,000,000.00


Sub Engineer
Municipal Corporation
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Asst. Engineer
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