

MUNICIPAL CORPORATION OF BHILAI

NIT

NAME OF WORK :- वार्ड कं. 64 में सेन्ट्रल एवेन्यु से शांती बेकरी होते हुए फॉरेस्ट एवेन्यु तक स्मार्ट सड़क निर्माण कार्य।

PWD ELEC SOR 2020, ROAD SOR 1.01.2015 BUILDING SOR 1.01.2015

S.N.	Description and details of work	Qty.	Unit
ROAD SOR			
1	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface (Providing and laying of hot ..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.) AT 6M DISTANCE	600	SQM
2	Road Markers/Road Stud with Lens Reflector (Providing and fixing of road stud 100x 100 mm, die cast in aluminum, resistant to corrosive effect of salt and grit, fitted with lens reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BIS:873, part-IV:1973) AT 6M DISTANCE IN 3 ROW	500	EACH
3	Retro- reflectorized Traffic signs (Providing and fixing of retro reflectorized cautionary, mandatory and informatory sign as per I...sheeting, 1.5 mm thick supported on a mild steel frame of size 40 x 40 x 5 mm and mild steel angle iron post 75 mm x 75 mm x 6mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45cm x 60cm, 60 cm below ground level as per approved drawing) 60 cm x 45 cm rectangular Each	15	EACH
4	Half Brick Circular Tree Guard, in 2nd class Brick, internal diameter 1.25 meters, and height 1.2 meters, above ground and 0.20 meter below ground (Half brick circular tree guard, in 2nd class brick, internal diameter 1.25 meters, and height 1.2 meters, above ground and 0.20 meter below ground, bottom two courses laid dry, and top three courses in cement mortar 1:6 (1 cement : 6 sand) and the intermediate courses being in dry honey comb masonry, as per design complete)	20	Each
ELEC SOR			
5	Supplying, installation, testing and commissioning of Acrylic LED light (a) Specification of Acrylic 3 mm thick x 3 " width x 4 " depth *(impose) (b) Specification of LED modules :- Each Moduel should have 6 Nos LED of 1 watt	30	SQFT

6	Supplying, installation, testing and commissioning of following LED Rope light complete as per specification and IP65, P.F. should be greater than 0.75 9 Watt per Metre White / Warm White	500	Metre
7	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.60 watt	4	Each
8	Supplying ,Installation, testing and commissioning of hybrid solar street luminaire of housing made of extruded Aluminium and IP65 ingress protection.....stalline PV module, Lithium battery pack having upto 10Hrs. of autonomy with full power mode and upto 36Hrs. of autonomy with saving mode. Specially designed in built PIR sensor allows to sense motion i.e. if a human is within sensor range then streetlight is at 100% full power lighting mode otherwise if no movement is detected to save energy it dims down to 30% of power.		
9	25w , 50Wp Monocrystalline Panel - 12.8V 22Ah Lithium Ferro Phosphate (LifePo4) battery	2	Each
10	Supplying and laying following sizes one number FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade on surface/ existing cable tray with 1 mm thick GI saddle as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). 2 x 4 sq. mm	105	Metre
BUILDING SOR			
11	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand: Furn like Arica, China etc (3 year old)	30	Each
12	Painting on old work (one or more coats) to give an even shade with: 14.23.1 Satin synthetic enamel paint	150	SQM
13	Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, 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	350	KG
14	Extra for curvature in making steel work in tubular structure in built-up sections, trusses and frame work	200	KG

(Signature)
Asstt. Engineer
Municipal Corporation
Bhilai(C.G.)

(Signature)
Sub Engineer
Municipal Corporation
Bhilai(C.G.)