

Specification No. :
Scope of Supply / Work :

Schedule of Material Quantities and Prices (PR No.1200008414)
 (All Financial Figures in Rs.)

ERP Item No.	Schd. No.	Material Code	Material Description	HSN Code	Qty.	Unit	Total price/Unit	GST Rate(%)	GST/ Unit	Total Landed Cost /Unit	Total Amount Excl. GST	Total Amount Incl. GST
3		40000039	75X8MM MS FLAT	9954	118	KG	61.00	18%	10.98	71.98	7,198.00	8,493.64
4		40000463	GI BOLTS & NUTS, SPRING & PACK WASHERS	9954	0.053	TO	79,351.20	18%	14,283.22	93,634.42	4,205.61	4,962.62
5		3000005202	TWIN MOOSE TO SINGLE MOOSE SPACER T CLMP (150MM)	9954	6	NO	714.82	18%	128.67	843.49	4,288.92	5,060.94
6		40000102	DANGER BOARD/PLATE FOR SS	9954	8	NO	237.93	18%	42.83	280.76	1,903.44	2,246.08
7		3000001838	CO2 FIRE EXTINGR 9KG TROLLY MOUNTED	9954	1	NO	6,924.08	18%	1,246.33	8,170.41	6,924.08	8,170.41
8		40000443	GI EARTH BONDS	9954	30	NO	222.48	18%	40.05	262.53	6,674.40	7,875.90
9		3000005117	90W LED STREET LIGHT WITH FIXTURE	9954	4	NO	2,691.00	18%	484.38	3,175.38	10,764.00	12,701.52
10		3000004913	EARTH DISCHARGE ROD 3.0MTR L MADE OUT OF 32MM DIA PVC PIPE 3MM THICKNESS, CLAMP OF SIZE 6X30X300MM MADE COPPER FIXED TO EARTH ROD	9954	3	NO	2,215.00	18%	398.70	2,613.70	6,645.00	7,841.10
11		3000000228	RUBBER MAT OF SIZE 1 MTR X2 MTR X 12 MM THICK SHOCK PROOF	9954	1	NO	1,059.30	18%	190.67	1,249.97	1,059.30	1,249.97
12		40000037	100X16MM GI FLAT	9954	189	KG	79.71	18%	14.35	94.06	15,065.19	17,777.34
13		40000038	75X8MM GI FLAT	9954	235	KG	79.71	18%	14.35	94.06	18,731.85	22,104.10
14		8000000712	GI LATTICE STRUCTURES FOR SUBSTATIONS	9954	0.504	TO	92,873.00	18%	16,717.14	109,590.14	46,807.99	55,233.43
15		40000011	100X16MM MS FLAT	9954	126	KG	61.00	18%	10.98	71.98	7,686.00	9,069.48

NOTE: CGST and SGST amounts shall be shown in separate columns in the vendor invoices

Total 137,953.78 162,786.53

Schedule of Service Quantities and Prices (PR No.1200008414)
 (All Financial Figures in Rs.)

ERP Item No./ Sub-Item No.	Schd No.	Service Code	Service Description	HSN Code	Qty.	Unit	Rate/Unit	Per	Total Base Value	GST (%)	Total GST	Corpus Fund	Total Tax Portion	Total Amount
1			SS Electrical											
1 / 1		CS83-44	MARKING OF BAY AS PER APPROVED LAYOUT WITH THE HELP OF SURVEYOR	9954	1	NO	18,350.40	1	18,350.40	18%	3,303.07	N/A	3,303.07	21,653.47



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1 /2		CS73-34.8	Setting of stubs with stub setting template for sub-station structure:Erection of stub template, Fixing of jacks for supporting the template, alignment and leveling of exact location of stubs of stubsetting template, dismantling of template after completion of initial curing of CC 33 kV Breaker	9954	1	SET	1,836.00	1	1,836.00	18%	330.48	N/A	330.48	2,166.48
1 /3		CS74-35	Erection of the Main and auxiliary structures etc., using bolts and nuts. 220 and 132kV	9954	0.557	MT	4,383.60	1	2,441.67	18%	439.50	N/A	439.50	2,881.17
1 /4		CS16-16A	Laying of earth mat including Excavation of trenches, welding, connecting to equipment and connecting lightning shield to earth mat and earthing of fence posts, drilling and connecting earth rods including connecting cast iron pipes as per Drg. No.SET(P)/149/82 with the following sizes of MS Flats / GI Flats.(for 220kV and 132kV) including fabrication. 220 and 132kV 100x16mm MS Flat / GI Flat.	9954	10	RMT	135.60	1	1,356.00	18%	244.08	N/A	244.08	1,600.08
1 /5		CS16-16A	Laying of earth mat including Excavation of trenches, welding, connecting to equipment and connecting lightning shield to earth mat and earthing of fence posts, drilling and connecting earth rods including connecting cast iron pipes as per Drg. No.SET(P)/149/82 with the following sizes of MS Flats / GI Flats.(for 220kV and 132kV) including fabrication. 220 and 132kV 100x16mm MS Flat / GI Flat.	9954	15	RMT	135.60	1	2,034.00	18%	366.12	N/A	366.12	2,400.12



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1 /6		CS18-16C	Laying of earth mat including Excavation of trenches, welding, connecting to equipment and connecting lightning shield to earth mat and earthing of fence posts, drilling and connecting earth rods including connecting cast iron pipes as per Drg. No.SET(P)/149/82 with the following sizes of MS Flats / GI Flats.(for 220kV and 132kV) including fabrication. 220 and 132kV 75x 8mm MS Flat / GI Flat.	9954	25	RMT	121.20	1	3,030.00	18%	545.40	N/A	545.40	3,575.40
1 /7		CS18-16C	Laying of earth mat including Excavation of trenches, welding, connecting to equipment and connecting lightning shield to earth mat and earthing of fence posts, drilling and connecting earth rods including connecting cast iron pipes as per Drg. No.SET(P)/149/82 with the following sizes of MS Flats / GI Flats.(for 220kV and 132kV) including fabrication. 220 and 132kV 75x 8mm MS Flat / GI Flat.	9954	50	RMT	121.20	1	6,060.00	18%	1,090.80	N/A	1,090.80	7,150.80
1 /8		SSE0000416	DISMANTLING OF MS FLAT	9954	10	M	101.70	1	1,017.00	18%	183.06	N/A	183.06	1,200.06
1 /9		SSE0000416	DISMANTLING OF MS FLAT	9954	20	M	80.10	1	1,602.00	18%	288.36	N/A	288.36	1,890.36
1 /10		CS20-17	Excavation of earth pit, putting cast iron pipe with flange on one end (as per ISS7181/86) of nominal dia 125mm and 2.75 meters long in side the pit including supply and Fixing RCC collars 0.75 meter dia (OD), 50mm thick and 0.60meters long in side the pit, backfill the pit in the 25mm size granules of BHcoke for full depth of the pit	9954	2	EA	18,092.40	1	36,184.80	18%	6,513.26	N/A	6,513.26	42,698.06



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			with alternate layers of BH coke and salt of 300mm thick around the earth pipe of 150mm on all the sides of the pipe including cost and conveyance of BH coke, salt, clamps, C.I.Pipes and RCC collars, labour charges for all operational and incidental items of work etc., complete. 220 and 132kV											
1 /11		CS31-22.3	Erection of the following equipment with Crane / Derrick at site including handling the material / equipment carefully at site including labour charges for all incidental and operational items of work. (excluding cost of transport charges from dept. stores to the site). 33 kv Circuit breakers including Ploe to Pole cable wiring and terminations.	9954	1	EA	8,832.00	1	8,832.00	18%	1,589.76	N/A	1,589.76	10,421.76
1 /12		CS36-22.8	Erection of the following equipment with Crane / Derrick at site including handling the material / equipment carefully at site including labour charges for all incidental and operational items of work. (excluding cost of transport charges from dept. stores to the site). 33 kv Current Transformers.	9954	3	EA	1,378.80	1	4,136.40	18%	744.55	N/A	744.55	4,880.95
1 /13		CS42-22.14	Erection of the following equipment with Crane / Derrick at site including handling the material / equipment carefully at site including labour charges for all incidental and operational items of work. (excluding cost of transport charges from dept. stores to the site). 33 kv Lightning Arrestors.	9954	3	EA	823.20	1	2,469.60	18%	444.53	N/A	444.53	2,914.13



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1 /14		CS51-22.23	Erection of the following equipment with Crane / Derrick at site including handling the material / equipment carefully at site including labour charges for all incidental and operational items of work. (excluding cost of transport charges from dept. stores to the site). 33 kv Isolators including solid core insulators Erection, alignment in full shape for smooth operation.	9954	2	EA	2,848.80	1	5,697.60	18%	1,025.57	N/A	1,025.57	6,723.17
1 /15		CS13-13	Connection of equipment to bus and or another equipment with single Zebra/Moose/panther Conductor including measuring, cutting,clamping and Hoisting of suspension insulator assembly to support the Conductor wherever necessary. 220 and 132kV	9954	12	EA	424.80	1	5,097.60	18%	917.57	N/A	917.57	6,015.17
1 /16		CS13-13	Connection of equipment to bus and or another equipment with single Zebra/Moose/panther Conductor including measuring, cutting,clamping and Hoisting of suspension insulator assembly to support the Conductor wherever necessary. 220 and 132kV	9954	6	EA	849.60	1	5,097.60	18%	917.57	N/A	917.57	6,015.17
1 /17		CS21-18	Laying of control cables of all sizes (from 2 core. 1.5/2.5 / 4.0 Sq. mm. to 20 core, 1.5/2.5/4.0sqmm , both copper and alluminium in cable trenches including cost of suitable metallic cable glands with rubber lining. Note: This includes running of cables in control room where cables are run on cable racks in cable duct.	9954	1000	RMT	15.60	1	15,600.00	18%	2,808.00	N/A	2,808.00	18,408.00



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1 /18		CS24-20I	Cable terminations to the switchgear, Marshalling boxes / panel terminal blocks/control and relay Panels, LTAC panel including providng suitable ferrules and lugs as per specification (including cost of ferrules and lugs) (for 220kV and 132kV). 220 and 132kV 1.5/2.5 Sq.mm. Copper with copper lugs each core at both ends..	9954	200	NO	46.80	1	9,360.00	18%	1,684.80	N/A	1,684.80	11,044.80
1 /19		CS56-24	Erection of control / relay panels, LTAC panels, annunciation, PTDB panels etc.,in the control room duly mounting them on channels and grouting them with foundation bolts excluding cost of channels and foundation bolts (for 220kV and 132kV), including man power support toMRT wing for commissioning. 220 and 132kV .	9954	1	SET	3,894.00	1	3,894.00	18%	700.92	N/A	700.92	4,594.92
1 /20		CS62-30	Erection of Marshalling boxes 220 and 132kV	9954	1	EA	636.00	1	636.00	18%	114.48	N/A	114.48	750.48
1 /22		ST35-1	Loading / Unloading of loading / Unloading of 220 and 132kV 33kV Breaker	9954	1	EA	1,930.36	1	1,930.36	18%	347.46	N/A	347.46	2,277.82
1 /23		SWR10200	Loading;33 KV CTs/ PTs ;SSR:SWR10200	9954	3	EA	194.44	1	583.32	18%	105.00	N/A	105.00	688.32
1 /24		SWR10266	Loading 33 KV, 10 KA LAs station type ;SSR:SWR10266	9954	3	EA	40.84	1	122.52	18%	22.05	N/A	22.05	144.57
1 /25		ST54-20	Loading / Unloading of Loading / Unloading of 220 and 132kV 33 kV Isolators (without sold core insulators)	9954	2	EA	320.74	1	641.48	18%	115.47	N/A	115.47	756.95



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1 /26		ST10-F-N	Loading /Unloading of Control Cable drum upto 6Core 220KV & 132KV	9954	0.6	EA	291.12	1	174.67	18%	31.44	N/A	31.44	206.11
1 /27		ST11-G-N	Loading /Unloading of Control Cablesdrum above 6Core 220KV & 132KV	9954	0.4	EA	388.24	1	155.30	18%	27.95	N/A	27.95	183.25
1 /28		ST55-21	Loading / Unloading of Loading / Unloading of 220 and 132kV 33kV solid core insulators	9954	18	NO	9.10	1	163.80	18%	29.48	N/A	29.48	193.28
1 /29		ST26-5	Cases containing Control and Relay panels 220 and 132kV	9954	1	EA	644.24	1	644.24	18%	115.96	N/A	115.96	760.20
1 /30		SSE0000550	TRANSPORTATION OF MATERIAL/ EQUIPMENT	9954	2	LDK	21,581.00	1	43,162.00	18%	7,769.16	N/A	7,769.16	50,931.16
1 /31		SSE0000769	Project Insurance @ 0.5% (on cost of equipment + erection charges)	9954	1	RS	6,940.73	1	6,940.73	18%	1,249.33	N/A	1,249.33	8,190.06
2			ss civil											
2 /1		SM00017	Earthwork excavation in all types of soils (up to stone matrix) which can be excavated with pick axe and crow bars and do not require blasting in all conditions such as dry, wet and slushy etc. covering initial lead and lift etc and backfilling the foundations (after laying foundations) with excavated earth including watering, compacting as per standard specification and disposing of surplus	9954	6.5	M3	230.44	1	1,497.86	18%	269.61	1.50	271.11	1,768.97



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			earth within site complete as per directions of Engineer in charge at site for finished item of work.											
2 /2		SM00011	Laying of Cement Concrete (1:4:8) mix using 40mm size HBG metal Machine crushed for foundations including cost and conveyance of all materials at all leads and lifts, ramming, consolidating, curing etc,complete. for finished item of work as per directions of the Engineer-in-charge.	9954	0.6	M3	4,502.40	1	2,701.44	18%	486.26	2.70	488.96	3,190.40
2 /3		SM00845	Providing High Yield Strength Deformed (HYSD)/ Thermo Mechanically Treated (TMT) (Fe 500/ 500D/ 550D) grade as per IS 1786-1979) of TISCO/ SAIL/ VSP / JINDAL PANTHER make, different diameters for RCC works , including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc., complete for finished item of work in all floors.(APSS No.126) - Switch Yard Works and Line Works	9954	0.11	MT	76,422.67	1	8,406.49	18%	1,513.17	8.41	1,521.58	9,928.07



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2 /4		SM00080	Laying of Reinforced Cement Concrete (RCC) M- 20 Nominal mix (Cement 400 kgs) using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate, coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing and centering, etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (Sand 0.45 cum and Metal 0.90 cum) as directed by the Engineer in charge. Centering should be with Casuarinas Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc. complete. - SWITCHYARD FOUNDATION	9954	3	M3	9,522.26	1	28,566.78	18%	5,142.02	28.57	5,170.59	33,737.37
2 /5		SM00019	Construction of RR Masonry in CM (1:6) using hard CRS, rough granite stone and bond stones (0.16 cum) including cost and conveyance of all materials., labour charges, water lead , Curing, all leads and lifts etc., complete for finished item of work as per directions of the Engineer-in-charge.	9954	1.3	M3	4,230.73	1	5,499.95	18%	989.99	5.50	995.49	6,495.44
2 /6		SM00096	Brick Masonry in CM (1:6) with common burnt clay bricks of class as per Table-1 of IS:1077-1992 Non-Modular or traditional size 23 x 11 x 7 cms of approved quality, including cost & conveyance of all materials, labour charges, scaffolding leads, lifts and curing complete as per the directions of the Engineer in charge for the finished item of work . - without Scaffolding	9954	0.9	M3	7,733.79	1	6,960.41	18%	1,252.87	6.96	1,259.83	8,220.24



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2 /7		SM00102	Plastering with CM (1:5), 12 mm thick to the even wall surfaces including cost & conveyance of all materials, labour charges, leads, lifts , scaffolding and curing complete as per the directions of the Engineer in charge for the finished item of work. - Without Scaffolding	9954	8.5	M2	159.28	1	1,353.88	18%	243.70	1.35	245.05	1,598.93
2 /8		SM00827	Labour charges for picking old metal in the existing switch yard area 50 to 100mm thickness grading and stacking the useful 20mm graded metal for re-using including cost and conveyance of all materials labour charges, head load lead upto 100mts and initial lift etc., complete for finished item of work as directed by the Engineer-in-charge at site.	9954	5	M3	240.78	1	1,203.90	18%	216.70	1.20	217.90	1,421.80
2 /9		SM00828	Spreading the useful 20mm graded Metal available from the stacks picked from existing switchyard area to 100mm thickness as directed after doing the micro levelling and providing suitable PCC guage block of size 100x100x100mm at 2m x2m intervals , cost & conveyance of all materials, labour charges, head load lead upto 100mts and initial lift etc. complete as per the directions of the Engineer in charge for the finished item of work.	9954	5	M3	262.78	1	1,313.90	18%	236.50	1.31	237.81	1,551.71
2 /10		SM01024	Supply and Spreading of 20mm size graded Hard Broken Granite metal in switch yard (100mm thick) providing suitable PCC guage block of size 100x100x100mm at 2m x2m	9954	2	M3	1,765.14	1	3,530.28	18%	635.45	3.53	638.98	4,169.26



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			intervals , cost & conveyance of all materials, labour charges, head load lead upto 100mts and initial lift etc. complete as per the directions of the Engineer in charge for the finished item of work (Live SS Works)											
2 /11		SM00787	Supplying and fixing 28.6 mm OD CPVC pipes of SDR 13.50 of premium make Supreme/ Prince/ Astral/ Birla Aerocon including the cost of pipe, required number of connectors such as elbows, tees, couplers, connectors, solvent cement etc., and labour charges complete including cost and conveyance of all materials to site, all operational, incidental , labour charges, etc. complete for finished item of work as directed by Engineer-in-charge.	9954	13	RMT	426.94	1	5,550.22	18%	999.04	5.55	1,004.59	6,554.81
2 /12		SM00785	Supplying and fixing 15.9 mm OD CPVC pipes of SDR 13.50 of premium make Supreme/ Prince/ Astral/ Birla Aerocon including the cost of pipe, required number of connectors such as elbows, tees, couplers, connectors, solvent cement etc., and labour charges complete including cost and conveyance of all materials to site, all operational, incidental , labour charges, etc. complete for finished item of work as directed by Engineer-in-charge.	9954	7	RMT	255.94	1	1,791.58	18%	322.48	1.79	324.27	2,115.85
2 /13		SM00209	Supplying and fixing long body C.P. Taps (Jaquar/ CERA/ H & R Johnson make) including cost and conveyance, labour charges complete as	9954	2	EA	260.00	1	520.00	18%	93.60	0.52	94.12	614.12



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			per the directions of the Engineer in charge for the finished item of work.											
2 /14		SSC0000151	Seigniorage charges including SMET	9954	800	RS	1.00	1	800.00	18%	144.00	0.80	144.80	944.80

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Total 258,947.78 305,628.04

Grand Total: 468,414.57

Amount in words : Four Lakh Sixty Eight Thousand Four Hundred Fourteen Rupees Fifty Seven Paise



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