

"Schedule of Quantity" Cum "Un-Price bid format"						
Name of the Work: “ Site Establishment Works ” in JSW Dolvi CPP-4, 1x250 MW STG set Project. Tender Ref no. T0AYX00041, dated:12.07.2025						
S.NO	DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.	WEIGHTAGE
	PART A:: OPEN YARD WITH FENCING					
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	50			0.005896493
2	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge: All kinds of soil	Cum	275			0.239268639
3	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed as per direction of Engineer-in -charge. Ordinary rock	Cum	200			0.668581924
4	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed as per direction of Engineer-in -charge. Hard rock (Blasting prohibited)	Cum	14			0.134421954
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	Cum	250			0.328327463
6	Supplying and filling sand upto any depth under floors, around foundations, plinths, tank foundations, cable trench filling etc. in layers not exceeding 150 mm thickness and compacted so as to achieve at least 85% relative density as per IS-2720 (Part-XIV) including spreading, watering, ramming/compaction by manual / mechanical means, dressing, royalty (if any) etc. all complete.	Cum	50			0.359146085
7	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns	Sqm	250			0.656906198
8	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	85			0.128860154
9	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.	Sqm	150			0.220012903
10	Supplying & Stacking at site 63mm to 45mm size coarse aggregate	cum	120			1.315494236
11	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled rolled/ vibratory 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening/binding material to fill up interstices of coarse aggregate , watering and compacting to the required density.	cum	120			0.841818215

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12	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.					0
13	With G.I. barbed wire	meter	2200			0.32578125
14	Providing and erecting 2.00 metre high temporary barricading at site; each panel of size 2.50 m x2.00 m made of 40x40x6 mm angle iron or 50x50x3 mm hollow MS tube posts/horizontal members/bracings covered with 1.63 mm thick MS sheet. The sheet shall be fixed with 30x5 mm MS flat by suitable welding/riveting. The panels shall be made so that gap of 50cm above the ground is available making overall height as 2.5 m. MS channel ISLC 75 @ 5.70 kg/m, 50 cm long shall be provided at the bottom having oval shaped holes of size 50x25 mm at both ends with 50 cm long MS angle 40x40x6 mm bracing. Suitable arrangement shall be made to fix the barricading to avoid from overturning by providing 250 mm long expansion fasteners at both ends. The work shall be executed as per drawing/direction of Engineer-in-Charge which includes writing and painting, arrangement for traffic diversion such as traffic signals during construction at site for day and night, glow lamps, reflective signs, marking, flags, caution tape as directed by the Engineer-in-Charge. The barricading provided shall be retained in position at site continuously including shifting of barricading from one location to another location as many times as required during the execution of the entire work till its completion. Rate include its maintenance for damages, painting, all incidentals, labour materials, equipments and works required to execute the job. The barricading shall not be removed without prior approval of Engineer-in-Charge. (Note :- One time payment shall be made for providing barricading from start of work till completion of work including shifting. The barricading provided shall remain to be the property of the contractor on completion of the work).	metre	160			3.687452441
15	Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/ Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works upto plinth level					0
16	Concrete of M10 grade with minimum cement content of 210 kg /cum	CUM	60			3.552027413
17	Concrete of M20 grade with minimum cement content of 270 kg /cum	CUM	88			5.432203342
18	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work upto Plinth Level: 1:1.5:3 (1 cement: 1.5 coarse sand(zone-III) derived from natural resources: 3 graded stone aggregate 20mm nominal size derived from natural resources)	CUM	22			1.333455088
19	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					0
20	Thermo-Mechanically Treated bars of grade Fe-500D or more	KG	2100			1.517576439

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21	Supply, fabrication and installing in position and testing MS Gates out of channels, joists, angles, flats, plates, pipes, welded steel wire mesh & sheets including stiffeners, bracings, fabricated hinges, MS Aldrops with locking arrangement, tempered steel pivot, guide track of MS Tee, bronze aluminium ball bearing arrangements, castor wheels, paintings etc. all complete. (as per approved design by BHEL Engineer-in-charge)	MT	0.75			0.491803191
22	PART-B :: ELECTRICAL AND ILLUMINATION WORK					0
23	Supply & Fixing following way ,single pole and Neutral ,sheet steel,MCB distribution board,240V,on surface /recess,complete with tinned copper bus bar,neutral busbar,earth bar,din bar,interconnections powder painted including earthing etc as required(But without MCB/RCCB/Isolater). A-8 WAY Double Door	Nos	1			0.018331964
24	Supply & Fixing of 5A to 32A rating ,240/415v10KA "C" Curve miniature circuit breakersuitable for inductive load of following poles in existing MCB DB complete with connections ,testing and commissioning etc as required					0
25	single pole	Nos	6			0.010943606
26	double pole	Nos	1			0.004673832
27	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire through PVC conduit of required size with accessories and fixtures. Wiring shall be concealed type for computer room, office shed & for rest of sheds open and wherever required in PVC conduit of required size.	RM	70			0.051607576
28	2 x 4 sq. mm + 1 x 4 sq. mm earth wire through PVC conduit of required size with accessories and fixtures. Wiring shall be concealed type for computer room, office shed & for rest of sheds open and wherever required in PVC conduit of required size.	RM	85			0.075043515
29	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	PER POINT	22			0.069633296
30	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6A & 15/16A modular socket outlet and 15/16 A modular switch, connections etc. as required.	NOS.	10			0.02185182
31	Providing and fixing LED tubelight (22W) with frame of standard manufacturer as approved by BHEL. This includes tube light fittings etc. complete.	NOS.	17			0.034339746
32	Providing and fixing wall mounted fan 12" diameter of approved company as directed by BHEL. This includes tube light fittings etc. complete.	NOS.	2			0.02185052
33	Providing and fixing exhaust fans 12" diameter with frame of standard manufacturer as approved by BHEL.	NOS.	8			0.070078588
34	Wiring with 2.5 sqmm ISI mark copper wire for above in PVC conduit along with GI earth wire inclusive of all material, labour etc. complete	PER POINT	40			0.161881584

S.NO	DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.	WEIGHTAGE
35	Supply of cables 3 -1/2 core x 95 sqmm aluminium armoured PVC insulated cable of approved make confirming to IS 1554 (part -I).	RM	320			0.65729026
36	Supply of cables 3 -1/2 core 35 sqm aluminium armoured PVC insulated cable of approved make confirming to IS 1554 (Part -I)	RM	550			0.412906924
37	Supply of cables 2 core x 10 sqmm aluminium armoured pvc insulated cable of approved make confirming to is 1554 (Part -I)	RM	250			0.09509182
38	Supply, installation and commissioning of weather proof 400 Watt Led flood light along with Non-Integral type control gear box having adequate number of terminal connectors for terminating two cable of 3x 10 sqmm Al and suitable for out door application) of approved make only, including supply & fixing cables between the control gear box and light luminaries and mounting fixture with hardware for mounting of light luminaries and control gear box on pole type 410 SP-28.	NOS.	3			0.218839004
39	Supply & Installation 9M Long steel Tubular Flood Lighting pole with all accessories as per drawing as per direction and instruction of Engineer-in-charge	NOS.	3			0.875302141
40	Installation of cables 3 -1/2 core x 95 sqmm aluminium armoured PVC insulated cable confirming to IS 1554 (part -I) including laying of cable below ground, excavation of trench of 600 mm depth in all kind of soil, termination of cables cores with crimp type lugs, providing sand layer below/ above the cable, brick laying both side /above the above the cable and back filling etc complete. Cables are to be laid from 415 volt AC distribution board to feeder pillar board.	RM	350			0.525802305
41	Installation of cables 3-1/2 corex 35 sqmm aluminium armoured PVC insulated cable confirming to IS 1554 (part -I) including laying of cable below ground , excavation of trench of 600 mm depth in all kind of soil, termination of cables cores with crimp type lugs, providing sand layer below/ above the cable, brick laying both side /above the above the cable and back filling etc. cables are to be laid from feeder pillar board to lighting panel.	RM	525			0.762979302
42	Installation of cables 2 core x 10 sqmm aluminium armoured pvc insulated cable confirming to is 1554 (Part -I) including laying of cable below ground, excavation of trench of 600 mm depth (minimum) in all kind of soil, termination of cables cores with crimp type lugs, providing sand layer below & above the cable, brick laying both side & above the cable and back filling etc complete.	RM	250			0.356457202
43	Providing earthing pits with 40 mm dia, 4.5 m long GI earth pipes with flange & GI wires with charcoal, salt and as per the standard practice for electrical connection. Rate shall be inclusive of all materials, labours, etc complete. (as per relevant IS code)	NOS.	5			0.117158566
44	Part-C :: Other Miscellaneous work					0
45	Providing and fixing in position of PVC overhead water tank (insulated) of sintex or any approved make, suitable for storage of drinking water (preferably of 4 layers) of following capacity with provision for overflow arrangement valves, inlet and outlet etc. complete. Supporting steel structure for fixing the tank shall be paid in the relevant item. Make and type of tank shall be approved by BHEL engineer.(1000 LITERS EACH)	NOS.	2			0.253003965

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46	Providing and fixing of RO water purifier (15 litre) , along with all fittings. Rate to include all necessary fittings & fixtures, labour etc.as approved & directed by BHEL engineer. (At site)	NOS.	3			0.21907132
47	Supply and establishment of water distribution system for service water from customer point to BHEL site office(including supply & installation of all pump motor piping & cabling)	LS	1			0.196270959
48	Supply , installation & Commssioning including operation and maintenance of CCTV System along with accessories (06 nos of camera (out door) along with JB's security box full hd 22inch Display,Mobile 5G accesspoint for online view,all mountings & associated cables)-as per approved layout & designt by BHEL Engineer-in-charge	months	18			1.336815063
49	Supply of porta cabin (20ftx10ftX8ft) including furnitures & fixtures as per approved design by BHEL Engineer-in-charge	NOS.	1			3.684139306
50	Supply of porta cabin Toilet block as per approved design by BHEL Engineer-in-charge	NOS.	1			1.255509458
51	Providing services of a Five seater vehicle, SWIFT Dezire or similar kind for BHEL personnel for movement in and around the site and Dolvi/Mumbai city (Including driver, maintenance and service),(Rate applicable for monthly running of 4500 Km.) Note: 1. Diesel cost shall be paid considering 12KM/Litre vehicle mileage. 2. Average of prevailing Diesel rates, as on 1st and 15th Day of the respective month, shall be considered for arriving at Diesel rate for calculating the Diesel cost. Vehicle (Swift Dezire)	Vehicle month	19			4.214064789
52	Providing services of a Five seater vehicle, SWIFT Dezire or similar kind for BHEL personnel for movement in and around the site and Dolvi/Mumbai city (Including driver, maintenance and service),(Rate applicable for monthly running of 4500 Km.) Note: 1. Diesel cost shall be paid considering 12KM/Litre vehicle mileage. 2. Average of prevailing Diesel rates, as on 1st and 15th Day of the respective month, shall be considered for arriving at Diesel rate for calculating the Diesel cost. Vehicle (Swift Dezire)	Vehicle month	15			3.326893254
53	Providing services of a Seven seater vehicle, Bolero or similar kind for BHEL personnel for movement in and around the site and Dolvi/Mumbai city (Including driver, maintenance and service),(Rate applicable for monthly running of 4500 Km.) Note: 1. Diesel cost shall be paid considering 10KM/Litre vehicle mileage. 2. Average of prevailing Diesel rates, as on 1st and 15th Day of the respective month, shall be considered for arriving at Diesel rate for calculating the Diesel cost. Vehicle (Swift Dezire)	Vehicle month	12			2.962818144
54	Diesel at actuals	liters	6175			4.517401803
55	Diesel at actuals	liters	3250			2.377579896
56	Diesel at actuals	liters	3120			2.2824767

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57	Material handling and Management work involving Receipt, Unloading & Material Handling from Trucks / Trailers / Transport carriers / wagons etc., transportation to site / site stores & storage yard, verification, stacking, (loading to execution contractor's vehicle at the time of issue) for materials being issued/received at , including providing all necessary cranes (Tyre mounted upto 40MT, Pick and carry upto 18T, Upto 3T fork lift and other as per site requirement) equipment, manpower viz, T&P consumables, jacks, wooden sleepers, diesel, store keeper, supervisor, rigger and helpers, all complete as per instruction and direction of BHEL Engineer	MT	200			1.334889418
58	Providing material management supervisory services -01 Nos (For material management, record keeping, etc)	Man Months	19			4.663045255
59	Providing unskilled manpower services for miscellaneous site office works-Total 03 nos	Man Months	57			9.39348158
60	Supplving & providing Packaged drinking water in 20L	Litre	49400			0.701388974
61	Supplying and Establishing Electricity connection from customer Point including cable laying & Electricity meter instalations, Electricity distribution cabling to Storage Area- Illumination points, store area illumination etc.. Including its service/ maintenance to ensure uninterrupted power.	LS	1			0.162515394
62	Providing general services of Electrical maintenance (Including Plumbing) for office and site establishment to complete satisfaction of BHEL Engineer and as per direction of BHEL Engineer	Months	19			0.18250927
63	Providing cleaning services of Site Office, etc. cleaning including consumables like liquid surface cleaner, dish cleaning bar, broom, mop etc. all inclusive	Months	19			0.54752937
64	Supply and maintenance of PC for site office (Hiring basis)-10 Nos: Minimum Specification: 17" LED Monitor/ Intel Pentium Gold 5405U processor/ 8GBRAM /1TB HDD/Windows10 /MS Office 2019 /Integrated Intel UHD Graphics, Software installed: AutoCAD 2019, PDF reader Make: Acer/ Lenovo/ HP/ or similar kind	Nos/Month	190			2.937912269
65	Supply and maintenance of Xerox cum scanner cum printer (Hiring basis) including consumables like Cartridge -Reputed Make (like Xerox, Canon, HP, Samsung, Panasonic, Epson, Dell, Toshiba) Multifunction Laser printer for Size-A3-A5: 01 Nos	Months	19			0.347945379
66	Providing consumables for multifunctional printer, <i>Item no 66</i> : 2 nos A4 size 75 GSM paper ream, 1 no A3 size 75 GSM paper ream	Months	19			0.134913682

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67	Providing Catering Services to BHEL Employees: As per Scope 1) Providing services of Cook cum care taker-01 No (Including food cost of cook). 2) Providing services of Helper-1 Nos (Including food cost of helper) 3) Providing cooking utensils, vessels, crockeries and cutleries and appliances for 10 person. 4) Providing, service and maintenance of Cooking gas stove with gas connection (Two cylinder) including refilling of cylinders every month 5) Providing dining table (3"X6") with 6 Chairs-1 set 6) Providing services of cleaning the cooking and serving, cleaning of rooms and other areas/premises including supply consumables for cleaning (Broom, harpic, detergent, cleaning clothes, brushes etc.) 7) Hiring, service, maintenance of refrigerator, 220Litre, Single door 8) Hiring, service and maintenance of RO/Aquaguard Water purifier, 8 Litr	Months	18			6.87576416
68	Monthly subscription charges for dedicated internet services by using Wireless CPE, router, switch and allied equipment- Monthly Plan 8Mbps UL	Months	19			2.122857331
69	Night Charges, if the vehicle service is used beyond midnight/midday(in case of vehicle deployed in night as regular timing), i.e. 12:00 A.M./12:00 P.M. or beyond.	Per Night	200			0.393937314
70	Providing Induction cook top (Min1.5kw) cooking wares ,serving wares on hiring basis for preparing and serving snacks at site office for minimum fifteen personnel	months	19			0.040591055
71	Extra Hour duty cost beyond regular 10 Hour duty (Beyond the regular duty timings from 08:00 A.M. to 06:00 P.M) for providing vehicle service as per SOQR <i>Item no. 51-53</i> Note: Payment against this item shall be made on hourly basis beyond the regular 10 hours duty If the duty time is performed beyond six hour of overtime over and above regular 10 hours deployment, payment shall be made for complete extra duty of 06 hours or more at flat rate as per rate of SOQR <i>Item no. 18</i>	Hours	3744			1.186796616
72	DG SET & FEEDER PILLAR					0
73	Providing installing, Operation & Maintenance of 1 No. 25 KVA DG Set (Kirloskar/Cummins silent version) & its complete cabling up to load points (Incl. Fuel cost). To be used as Power back-up and average daily operation of 2 Hrs Note: 1. Diesel cost shall be paid considering 5 Litre/ Hour for DG set. 2. Average of prevailing Diesel rates, as on 1st and 15th Day of the respective month, shall be considered for arriving at Diesel rate for calculating the Diesel cost.	DG Months	19			4.525618017
74	Supplying of Diesel for 2 hrs. operation per day,payment will be made on market rate.Estimated 5*2*26=260 litres per month	Litre	4940			3.613921442
75	Supply, installation, testing, commissioning, O&M, dismantling after contract completion and removal from site of "415V 125A Feeder Pillar and 415V 250A Feeder Pillar" on monthly hire basis as per technical specifications and approved drawings (Including all cabling, connections with customer compact sub-station, civil & structural Works)	Month	19			8.40724182
	Total(Excluding GST)			No need to quote here	No need to quote here	100.0000000

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Note-1	Bidder to confirm having quoted their price in BHEL NIC portal (https://eprocurebhel.co.in) in the manner described in below, by writing "QUOTED" here					
2	Bidder no need to quote the price here, lumsum Price quoted by bidder in (excel sheet) price bid format in BHEL NIC portal (https://eprocurebhel.co.in) shall be cosidered as the total price of this tender SOQ. Rate and amount against each line item shall be derived from the corresponding weightage assigned against each line item of this SOQ.					
3	The rate and amount are inclusive of all applicable taxes, except for the GST. For details of taxes, clause no. 13.0 of the SCC will be					
4	Details of SOQ items shall be read in conjunction with the corresponding specifications, drawings and other tender terms.					