

Closing Date/Time: 09/07/2026 15:00

**CAO-C-HQ-ENGINEERING/SOUTH EAST CENTRAL RLY
TENDER DOCUMENT**

Tender No: CAO-C-BSP-26-27-08

Closing Date/Time: 09/07/2026 15:00

1	Description:- Conducting Aerial Topographical Survey with DGPS integrated RTK/PPK UAS DRONE based photogrammetric and Lidar to capture ground features and assets along the given alignment including Yards. Terrestrial Based Lidar System shall also be conducted to get uniform accuracy and data through out on the final approved alignment. Survey will be done for width of around 100m. In mid-section and around 250 m in yard. However final width requirement shall be as approved by Engineer-in-charge. Following output should be delivered: 1. Topographical base map in AutoCAD format of 1:500 scale having all the natural & manmade features such as buildings, road, tracks, platforms, walls, yards boundaries, fences, signals, electrical mast, FOBs, LCs, RUB/ROBs etc. In .DWG or .DXF format. 2. Contours at an interval of 50 cm in DWG or DXF format. 3. Digital Elevation Model of 1m resolution in ASCII format and DWG format. 4. 3cm resolution (GSD) Ortho-photo in ECW or TIFF format which can be opened in CAD. 5. List of Control points established onto the Ground using DGPS (every 2 km as primary control points on existing permanent Structures.) 6. RTK (every 250 m) along with their Latitude, Longitude and elevation. 7. NSSDA report showing accuracy achieved in comparison to control points established. 8. Digital Terrain Model showing accuracy achieved in comparison to control points established. 9. Preparation and supplying of Yard Plans (ESPs) of various Stations along the alignment showing proposed position of track and related structures based on concept plan on Auto Cad and submit in CD along with miniature A4 size yard diagram. 10. The levels shall be provided at every 25 M interval and each 5 M for cross section upto 30 M beyond toe/edge of bank/cutting of BG formation for cross section and must be shown in plan. 11. The Reduced level/Rail level shall be connected with standard bench mark. 12. Longitudinal section (L-Section)/Cross section and alignment plan will be prepared on computer in Auto CAD and submitted in soft copy as well as hard copy. 13. Index plan and index section in soft copy as well as hard copy. 14. Processed 3D point cloud in LAS format. The item also include staking of approved alignment with RCC Pillars (150 x 150 x 900mm size with 300mm projected above ground level) at an interval of 500m, (with wooden pegs 50 x 50 x 450mm size) at every 20m where track is away from the existing track or where it is advised by Engineer-in-charge. (Cost of wooden pegs is inclusive). The RCC Pillars shall also be fixed on curves indicating transition portion, apex point, crown of curve, beginning and endpoint of circular curves, (5 locations for each curve) at major bridges two pillars one on either side, including submitting list of distance and coordinates of centre line of proposed BG line from centre line of existing BG line at every 25m interval. He shall also submit the list of existing infringement to the proposed BG alignment as per latest SOD for BG. The proforma for the same shall be approved by Engineer-in-charge. Payment Schedule for Item No.1 of Schedule : A. 70% payment shall be made on submission of the report. B. 30% payment shall be made on approval of the work by the Railways.						
2	2	800.00	Numbers	223.51	178808.00	AT Par	178808.00
	Description:- Providing and fixing cast-in-situ or precast M-25 RCC concrete centre-pillars of size 150 x 150 x 900mm with 300 mm projected above ground level on straight and curves as per Scope of Work & Technical Specifications with Contractors' own materials, tools and plants; including all leads and lifts and crossing of track etc.; including all taxes and royalties complete; including painting, marking the pillars at site; including fixing of posts at curves indicating transition portion, apex point and crown of curve, beginning and end point of circular curves as per the setting of curve done in item no 1 etc. The rate includes the cost of all material including cantering, shuttering, cutting, binding, reinforcement, cement etc all inclusive. The exposed surfaces should be smooth and neatly finished. Main Reinforcement shall be 4 nos. of 8mm Ø bars and stirrups of 8mm Ø @ 200 mm c/c spacing. Note-The pillars may be erected as directed by the Engineer in charge along proposed centre line of BG track and Chainages shall be marked on these pillars.						
3	3	100.00	Numbers	277.82	27782.00	AT Par	27782.00
	Description:- Casting, transporting and fixing precast RCC boundary pillars with M15 grade of size 350mm (bottom), 230mm (top), 1550mm height, 100mm thick or as per approved drawing/sketch supplied including engraving the letters SECR and applying one coat of primer, and two coats of red enamel paint and painting the engraved letters with white paint including excavation of pit and fixing into ground up to 900 depth with contractors OP cement, steel, labour, tools, materials all lead and lift involved, curing etc., complete as per specifications and as directed by the Engineer-In-Charge.						
4	4	8.00	Numbers	584.87	4678.96	AT Par	4678.96
	Description:- Extra for Revision/Modifications in L-Sections/ Plans by Railway after final approval of engineer in charge in each sheet and submission of another set of coloured drawing on tracing, three copies of white print and soft copy for final approval.						
5	5	4.00	Numbers	1071.88	4287.52	AT Par	4287.52
	Description:- Preparation of existing & proposed layout plan including detailed plan/section of station building, quarters, structures on Auto CAD and submission of print on white paper and tracing for approval of Railways.						
6	6	37.80	Kilometre	575.58	21756.92	AT Par	21756.92
	Description:- Calculation of land widths and preparation of land plans in original on tracing cloth/film of 70 microns required for the land to be acquired duly indicating chainages and widths along with alignment including station yards to a suitable scale as directed by the Engineer-in-charge.						
	7	37.80	Kilometre	1213.59	45873.70	AT Par	45873.70

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7	Description:- Preparation and submission of land acquisition proposals duly collecting land and village maps from revenue authorities and marking the proposed alignment including land widths for land acquisition purpose including copies of pahanis/Nakshas and khasras of individuals from the Revenue department of relevant districts /villages including plotting the details of length and width of land requirement and all other parameters as required for land acquisition, furnished details in form A & D and making booklet with all contractor's Engineers supervisors /Technical assistants drawing and other required equipment overhead charges etc. required for collecting the details from revenue department as directed by the Engineer-in-charge in consultation with railway department.						
8	8	37.80	Kilometre	2955.99	111736.42	AT Par	111736.42
	Description:- Preparation of necessary documents for issue of notifications under section 11, 12 & 19 or as per any other relevant section of the New Land acquisition act 2013 or old act in force for stage-I & II approvals duly attending the JMC of revenue forest and railway authorities including making arrangements for conveyance to the officials necessary labour for pulling chains and fixing flags etc. and assisting in taking measurements preparation of sketches making the booklets in 6 copies to submit to the revenue authorities with all contractor's supervisors tools vehicles consumables all lead and lifts involved stationery Xerox copying charges etc. complete and as directed by Engineer-in-charge. Note for 11,12,13- If projects declared as 'Special Railway Project' than land acquisition be processed as per New RAA- 2008 and accordingly proposal be prepared as Para 20A,20E etc.						
9	9	30.00	Each	2510.41	75312.30	AT Par	75312.30
	Description:- Assisting Competent Authority for Land Acquisition (CALA) for land acquisition, preparation of details from available land records for publishing Preliminary notification after notification, publicity of the same to all the owners by distribution of notices, affixing the notice on the notice board of every village office, Panchayat /Talathi's office for information and seeking objections under relevant section of land Acts, taking photographs as proof of fixing acknowledgement from Project Affected Person/Peoples (PAPs) etc. complete with consultant's own man power, stationary /Xerox /consumables, including transport arrangement etc. complete in all respect. Note: Here unit Each means Village.						
10	10	30.00	Each	2510.41	75312.30	AT Par	75312.30
	Description:- After Declaration notification, publicity of the same to all the owners by distribution of notice, affixing the notice on the notice board of every village office, Panchayat/Talathi's office for information and seeking Claims under Determination of Award, taking photographs as proof of fixing etc. complete with consultant's own man power, stationary/Xerox/ consumables, including transport arrangement etc. complete in all respect. Note: Here unit Each means Village						
11	11	1000.00	Each	260.70	260700.00	AT Par	260700.00
	Description:- Facilitating CALA for preparation of Land Looser Certificate/Lesser Assessment Register, chasing the matter and further submission to Tahsildar, Circle officer (Mandal Adhikari)/ Talathi for transferring land title with consultant's own machinery, man power, consumables, transportation etc. complete. Note: Here unit Numbers means No. of plots.						
12	12	500.00	Each	164.16	82080.00	AT Par	82080.00
	Description:- Taking photographs of structures with name board of each Project Affected Person/Peoples (PAPs) and submission of hard copy with all details of PAP such as name, survey no. structure details etc. with consultant's own machinery, man power, consumables, transportation etc. complete. This should be submitted village wise in 2 copies one with ring binding and other loose. Note: Here unit Each means Per structure.						
13	13	1000.00	Numbers	86.92	86920.00	AT Par	86920.00
	Description:- Photography /Videography, numbering of agriculture (fruit bearing) & forest trees within the Railway boundary and beyond Railway boundary up to proposed ROW as per joint measurement sheet by making notch of size 100x100mm, painting white paint on it and numbering the trees in each survey number with red enamel paint. Taking photographs and video shooting of the trees of each survey numbers of the village coming under acquisition in privateland and Railway land separately. Preparation of document as per proforma enclosed and submission of same in soft & one set of hard copy. The item includes all contractor's material, labours, transportation tools & plants, etc. For privateland, number of trees should be identified as per Survey no./Land owner wise and within existing railway land, the number of trees should be identified as per Railway Km/EP.						
14	14	37.80	Kilometre	2838.68	107302.10	AT Par	107302.10
	Description:- For panchnama due to non completion of joint measurement due to mass opposition in a village or stretch with Revenue Staff & landowners/sub- holders, incl. survey equipments, manpower, etc. including transport arrangement etc. complete in all respect with all contractor labour, materials tools & plants						
15	15	37.80	Kilometre	2154.87	81454.09	AT Par	81454.09
	Description:- Aerial Videography by unmannead aerial vehicle (UAS-Drone) and submission of digital data/digital image/video in CDs						
	16	37.80	Kilometre	105.70	3995.46	AT Par	3995.46

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16	Description:- Preparation of LWR / CWR and Weld Plans: For Continuously Welded Rail (CWR) track for as much length as possible, for which the Contractor shall prepare the CWR plans for the approval of the Employer in accordance with the design principles/provisions contained in IR LWR (Long Welded Rail) Manual based on approved Track Structure. The consultant shall submit advance copy of the Weld Plans on white paper for approval of Employer. After the approval of Employer, the Consultant shall submit drawings in 3 (three) hard coloured copies on Polyester based tracing paper (100 to 150 Microns) and two soft copies on CD. The scope includes required corrections and modifications as suggested by approving authorities of Railways till its final approval. Required follow up with various approving authorities including required explanations on various provisions/facilities in the ESP shall be arranged by consultant. Note: i) The colour scheme to be followed in the drawing shall be as per standard practice of IR. ii) Payment will be done as per Stages given below - Submission of Weld Plans and approval by Dyce) / CON / BSP and CE/CON: 60% - Submission of Weld Plans and approval by Divisional HQ : 15% - Submission of Weld Plans and approval by Zonal HQ: 15% - Submission of Weld Plans in hard & soft copies : 10%						
17	17	51.00	Numbers	3195.88	162989.88	AT Par	162989.88
	Description:- Preparation of the General Arrangement Drawing for all minor bridges based on finalized L- section for the proposed alignment & detailed geotechnical investigation carried out by the contractor under separate schedule.						
18	18	9.00	Numbers	3239.08	29151.72	AT Par	29151.72
	Description:- Preparation of the General Arrangement Drawing for all RUBS/ROBs based on finalized L- section for the proposed alignment & detailed geotechnical investigation carried out by the contractor under separate schedule.						
19	19	3.00	Each	1041.49	3124.47	AT Par	3124.47
	Description:- Preparation and submission of existing & proposed layout plan of existing & proposed level crossing incorporating standard Type plan of duty bunk of S.E.C. Rly including regrading plan and diversion plan of approach road if any, as per IRPWM chapter-IX on Auto Cad and submission of print on white paper and tracing for approval of Railways.						
20	20	3.00	Each	6126.79	18380.37	AT Par	18380.37
	Description:- Site selection and demarcation of required water way and configuration of spans for major bridge and important bridges including levelling for profile of stream bed , along the main stream on upstream and downstream side, computation of catchment area of the stream , collection of hydrological data , Hydrological calculations as per substructure code/RDSO guidelines for deciding water way for bridges including computation of scour depth , construction of pucca CC mattams on approaches and preparation of GAD plan for bridges etc. complete. Note: 1) The item includes (i) River survey to be done as per provision of Engineering Code 8 Km on up streamside and 2 Km on downstream side for proposed centre line alignment intercepting the river or stream .Recording bed levels along the main stream of river and three typical sections of river as directed by Engineer in Charge. . 2) Plotting on Auto Cad the L- section of river bed and typical cross sections of river , plan of the river on upstream up to 8 Kms and on downstream up to 2Kms from the alignment , computing the catchment area / water shed line of river , centroid of catchment area using Auto Desk 3D civil software and Google Earth , submitting along the hydrological calculations in hard copy (6 nos.) as well as soft copy as per Railway code/ RDSO guidelines and as directed by Engineer in Charge. 3) General note -Before submitting the detailed drawings for all the above items of the work , one draft hardcopy is required to be submitted for scrutiny and checking by the Railways for obtaining the approval of competent authority and making corrections / editing and finally submitting the required number of hardcopies , final tracings and soft copies duly incorporating all necessary corrections etc. complete						
21	21	37.80	Kilometre	4114.27	155519.41	AT Par	155519.41

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	Description:- Conducting photogrammetric survey using stereo satellite imagery data (CARTOS set or similar) asobtained from NRSC (national remote sensing centre)and processing the same using suitable GIS software forgeneration of Digital Elevation Model(DEM) , ortho photos, topo maps etc., to verify the doubling/new line alignmentproposed in the PET survey by first identifying minimum 3alternate viable route sand finalization of most technical andeconomically alignment in consultation with railways duly adopting latest circular/manuals/code of railways withsubmission of detailed survey report along with abstract estimate as directed bythe Engg-in-charge. The scope of the work includes 1). verifying andre -fixing alignment wherever necessary using wooded pillars duly suggesting 3 alternateviable routes and finalization of most economical one. The work shall be done as per detailed specifications given in thestage-I of thetender document. 2).Submission of reports with definite recommendations. 3).submission of records dulyplotting the proposed alignment in topo sheets as well as in google earth.4). All other deliverables as mentioned instage-I. Note: This item is optional and will be operated with approval of Engineer in Charge. Note:1. The variousdeliverables in this item such as DEM, ORTHOPHOTOS, DSM,TOPOGRAPHICAL MAP to a scale of 1:5000 are purely for the purpose of finalization of alignment. However, the accurate DEM/ORTHOPHOTOS/TOPOGRAPHICALMAP shall begenerated using drone/ LiDAR Survey 2.This item is also applicable for sections where the PET survey hasnot been done. 3. All special conditions mentioned in the agreement particularly under stage - I are applicable on this item.Payment schedule: -a.70% payment shall be made on submission of the report. b.30%payment shall be made onapproval of the work by the Railways. The contractor will have to submit report as per item SL No 1 within 45 days of issue of LOA for three alternate routes and start the subsequent works for Final Location Survey after obtaining approval regarding final alignment of the project.							
	22	54.00	Each	737.73	39837.42	AT Par	39837.42	
22	Description:- Hydrological investigation for Bridges using DEM: Conducting hydrological investigation including detailedcalculation for important major/minor bridges using Digital Elevation Model (Geological information system)Tasks: i.e.Marking of all bridge locations on index plan of the alignment. ii. Delineating the catchment boundary of bridges fromDEM and calculating physiographic parameters of the catchment - area, longest stream, slope iii. Calculating designdischarge (Q50) for all bridges based on RBF 16/ RBF 22 reports for small catchments and synthetic unit hydrographfrom flood estimation report for large catchments (> 25sq km). iv. Consultant will verify if there are any dams / waterstorage structures in the catchment and obtain regulated flow discharge from concerned authority for calculation ofdesign discharge. v. Checking of adequacy of proposed linear waterway, vertical clearance, free board and depth offoundation. Soil investigation report for scour depth calculations will be provided to the consultant. Deliverables i.3copies of report with bridge wise hydrological calculations should be submitted. Separate booklets should be prepared for major and minor bridges. ii. For each bridge, calculations and catchment plan with longest stream marked on Survey of India topo sheet should be submitted. For bridges with large catchments, unithy drograph and calculation of equivalent slope should also be submitted. iii. Catchmen tplan should be marked on 50 year 24 hr rainfall map to verifycorrectness of rainfall data used and the same and the same submitted in the booklet.iv. The following arerequired to be submitte das softcopy - calculations preadsheets, GoogleEarth KML files ofcatchment plans, longest stream,alignment and bridge location.(A) For Minor Bridges.							
	23	1.00	Job	48867.98	48867.98	AT Par	48867.98	
23	Description:- Preparation andsubmission of documentsfor EPC Tender/Tendersfor entire section/varioussections asdirected byRailway authority. TheBOQ shall have to beprepared according tostage wise payments asgiven in StandardEPCdocuments for Railways(Standard document isavailable in Railway Bd'sweb site or as directed bythe Engineer inCharge.The latest document ofEPC Tender has beencirculated by Railway Bdvide letter No2018/CEI/CT/36-EPCCContractPolicy Pt I Dated15.11.2021.							
	24	37.80	Kilometre	979.07	37008.85	AT Par	37008.85	
24	Description:- Submission of project report for Final Location Survey & detailed estimate with preparation of detailed schedule of quantity for formation work, ballast supply. The report should consist of quantity of earth work,blanketmaterial, ballast,length of retaining walls,length of side drains etc.detailed quantity of various items of minor,major,important bridges,ROB, RUB & cost of estimation thereof. The estimate shall be updated to include items as per thelatest practice of Railway & Rly Bd's instructions. The rates adopted for schedule of quantities & detailed estimateshould be latest& realistic. Rate analysis should be submitted as per instruction of engineer-in-charge. Note:The detailsof quantities shall be submitted block section wise during progress of work. Note:(a) The rate includes preparation and submission including modification for ROR of the project. It includes conducting Traffic Survey and preparation of ROR.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 2-Geotech Work(USSOR-2021 Items)							4914936.73	Above/ Below/Par
	1	1300.00	Metre	952.84	1238692.00	AT Par	1238692.00	

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1									Description:- Exploratory drilling of boreholes down to required depth, drilling of 150mm dia. boreholes in all type of soils except hard rock & large boulders (boulder core more than 30cm) including refilling, reinstating surface and disposing off surplus material including use of mechanical rigs with power operated winches as well as percussion/chiselling tool for advancing through occasional seams of hard strata to be employed, where necessary in Dry area. 0m to 10m. (021011)
2	2	410.00	Metre	1098.38	450335.80	AT Par	450335.80		Description:- Exploratory drilling of boreholes down to required depth, drilling of 150mm dia. boreholes in all type of soils except hard rock & large boulders (boulder core more than 30cm) including refilling, reinstating surface and disposing off surplus material including use of mechanical rigs with power operated winches as well as percussion/chiselling tool for advancing through occasional seams of hard strata to be employed, where necessary in Dry area. 10m to 20m (021012)
3	3	270.00	Metre	1722.19	464991.30	AT Par	464991.30		Description:- Exploratory drilling of Boreholes down to required depth, drilling of 150mm diameter boreholes in all type of soils except hard rock and large boulders (boulder core more than 30cm), including refilling, reinstating surface and disposing off surplus material including use of mechanical rigs with power operated winches as well as percussion /chiselling tool for advancing through occasional seams of hard strata to be employed where necessary in River bed area including standing/flowing water with all necessary arrangements except making of platform under water which shall be paid under relevant item of SOR. 10m to 20m (021022)
4	4	100.00	cum	2670.28	267028.00	AT Par	267028.00		Description:- Erection of temporary working platform to drill bore hole through flowing/standing water through river bed up to water depth of 1.5m, and dismantling after completing work and removing from the site to clear the waterway. (021040)
5	5	410.00	Metre	2804.85	1149988.50	AT Par	1149988.50		Description:- Drilling of NX size borehole (75mm dia.) in all types of hard rock and collection of rock core samples from boreholes and preserving in boxes. 0m to 10m (021051)
6	6	106.00	Each	199.19	21114.14	AT Par	21114.14		Description:- Taking out 100mm dia. & 450mm long undisturbed samples of soil from bore holes, including provision of air tight containers for packing and, labeling incl. transporting the samples to laboratory. Piston sampler shall be used for extracting undisturbed samples where necessary. Samples shall be collected as per IS:2720. (021110)
7	7	106.00	Each	600.48	63650.88	AT Par	63650.88		Description:- Conducting standard penetration test as per IS:2131 at approximate 1.5m intervals in bore holes, as directed by the Engineer in charge. (021130)
8	8	106.00	Each	251.11	26617.66	AT Par	26617.66		Description:- Conducting laboratory Tests on collected soil samples as per relevant IS code Moisture Content/Dry Density (021151)
9	9	106.00	Each	552.69	58585.14	AT Par	58585.14		Description:- Conducting laboratory Tests on collected soil samples as per relevant IS code Atterberg Limits. (021152)
10	10	106.00	Each	380.00	40280.00	AT Par	40280.00		Description:- Conducting laboratory Tests on collected soil samples as per relevant IS code Specific Gravity (021153)
11	11	106.00	Each	561.89	59560.34	AT Par	59560.34		Description:- Conducting laboratory Tests on collected soil samples as per relevant IS code Grain size analysis including Hydrometer analysis. (021154)
12	12	106.00	Each	1819.40	192856.40	AT Par	192856.40		Description:- Conducting laboratory Tests on collected soil samples as per relevant IS code Direct Shear Test (021155)
13	13	106.00	Each	425.40	45092.40	AT Par	45092.40		Description:- Conducting laboratory Tests on collected soil samples as per relevant IS code Natural Density (021156)
14	14	106.00	Each	2108.48	223498.88	AT Par	223498.88		Description:- Conducting laboratory Tests on collected soil samples as per relevant IS code Consolidation Test (021157)
15	15	106.00	Each	1832.95	194292.70	AT Par	194292.70		Description:- Conducting laboratory Tests on collected soil samples as per relevant IS code Tri-axial Test (021159)
16	16	52.00	Each	504.29	26223.08	AT Par	26223.08		Description:- Conducting Laboratory tests on collected ROCK SAMPLES as per relevant IS code Density Test (021161)
17	17	53.00	Each	442.57	23456.21	AT Par	23456.21		

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17	Description:- Conducting Laboratory tests on collected ROCK SAMPLES as per relevant IS code Water Absorption & Porosity (021162)							
18	18	53.00	Each	215.53	11423.09	AT Par	11423.09	
	Description:- Conducting Laboratory tests on collected ROCK SAMPLES as per relevant IS code Hardness (021163)							
19	19	53.00	Each	1432.54	75924.62	AT Par	75924.62	
	Description:- Conducting Laboratory tests on collected ROCK SAMPLES as per relevant IS code Unconfined Compression Test (021164)							
20	20	53.00	Each	617.44	32724.32	AT Par	32724.32	
	Description:- Conducting Laboratory tests on collected ROCK SAMPLES as per relevant IS code Point Load Test(021165)							
21	21	53.00	Each	4690.59	248601.27	AT Par	248601.27	
	Description:- Conducting Laboratory tests on collected ROCK SAMPLES as per relevant IS code Modulus of Elasticity(021166)							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 3-USSOR 2021-Lumpsum							77860.00	Above/ Below/Par
1	Lump Sum				100000.00	(-) 22.14	77860.00	
	Description :- Execution of all works connected with above work covered under USSOR-2021(Works & Material) of SECRly, excluding the item covered under different Schedules							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 4-Execution of All Works As Detailed In Schedule -4 (Electrical Work)							1245231.85	Above/ Below/Par
1	1	37.80	Kilometre	5572.35	210634.83	AT Par	210634.83	
	Description:- Foot patrolling of proposed track alignment and identifying of LT/HT/EHT lines crossing the proposed trackalignment / parallel lines /transformer infringements(Including length of parallel lines both HT/LT required to beshiftedbeyond 8 mtrs from Centre line of proposed track.							
2	2	4.00	Each	11116.43	44465.72	AT Par	44465.72	
	Description:- Detailed survey of EHT lines with 3 copies of detailed survey report for each qty. Schedule for modification & cost of modification for identified EHT lines infringing the proposed final alignment of track. b 110 KV.(132 kv).							
3	3	1.00	Each	19304.37	19304.37	AT Par	19304.37	
	Description:- Detailed survey of EHT lines with 3 copies of detailed survey report for each qty. Schedule for modification & cost of modification for identified EHT lines infringing the proposed final alignment of track. b. c.220KV.							
4	4	5.00	Each	6054.65	30273.25	AT Par	30273.25	
	Description:- Estimates with quantity schedule for following a.33 KV crossings.							
5	5	10.00	Each	5702.11	57021.10	AT Par	57021.10	
	Description:- Estimates with quantity schedule for following b.11 KV crossings.							
6	6	15.00	Each	6054.65	90819.75	AT Par	90819.75	
	Description:- Estimates with quantity schedule for following c.LT power line crossings							
7	7	2.00	Each	13162.28	26324.56	AT Par	26324.56	
	Description:- Estimates with quantity schedule for following d. Distribution transformers shifting							
8	8	3.00	Each	13162.28	39486.84	AT Par	39486.84	
	Description:- Estimates with quantity schedule for following e.Parallel HT lines							
9	9	5.00	Each	13162.28	65811.40	AT Par	65811.40	
	Description:- Estimates with quantity schedule for following f. Parallel LT lines shifting.							
10	10	4.00	Each	29834.49	119337.96	AT Par	119337.96	
	Description:- Identification of nearby power source 11 KV/ 400V as the case may be for proposed station/ Tunnels and estimate for arranging power supply at each station/Tunnel/ROB/RUB.							
11	11	4.00	Each	15794.73	63178.92	AT Par	63178.92	
	Description:- Electrification of service buildings and Plat forms at Stations.							
12	12	4.00	Each	8774.85	35099.40	AT Par	35099.40	
	Description:- FOB/ROB/RUB Electrification Estimations and quantity schedule.							

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13	13	1.00	Each	48763.50	48763.50	AT Par	48763.50	
	Description:- Details of EHT GSS power supply source for proposed TSS, survey of route length of Transmission line, way leave incidence estimation for TSS.							
14	14	37.80	Track Kilometre	10442.07	394710.25	AT Par	394710.25	
	Description:- Preparation of wiring diagram, General power supply diagram, sectioning diagram, Pegging plans, TSS/SP/SSP location plans for Electrification of section of 2x25KV AT.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 5-Execution of All Works As Detailed In Schedule -5(S&T Work)							403781.00	Above/ Below/ Par
1	1	12.50	Kilometre	15286.46	191080.75	AT Par	191080.75	
	Description:- Identifying the Infringement of existing S&T cable with in the yard and in section with reference to the new track alignment.							
2	2	5.00	Station	10918.90	54594.50	AT Par	54594.50	
	Description:- Preparation of new cable route plan with integration of existing cable route plan for all stations for signalling arrangement.							
3	3	12.50	Kilometre	960.86	12010.75	AT Par	12010.75	
	Description:- Assessment of quantification of Horizontal Directional Drilling (HDD) for track crossing.							
4	4	5.00	Each	17470.24	87351.20	AT Par	87351.20	
	Description:- Assessment of Quantity and preparation of estimate for signalling and telecommunication arrangement for all stations.							
5	5	12.50	Kilometre	786.16	9827.00	AT Par	9827.00	
	Description:- Preparation of MSDACTrack section scheme with cable core plan.							
5	5	40.00	Kilometre	1222.92	48916.80	AT Par	48916.80	
	Description:- Joint Survey and Preparation of new cable route plan with integration of existing cable route plan for telecom OFC/Quad cable for complete section.							

3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	1.2 Financial Eligibility Criterion: The tenderer must have minimum average annual contractual turnover of 'V/N' or 'V' whichever is less, where V=Advertised value of the tender in Crores of Rupees. N=Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderer shall submit requisite information as per Annexure-IV, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet.	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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**CAO-C-HQ-ENGINEERING/SOUTH EAST CENTRAL RLY
TENDER DOCUMENT**

Tender No: CAO-C-BSP-26-27-08

Closing Date/Time: 09/07/2026 15:00

1	<p>Technical criterion: The tenderer must have successfully completed or be substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of the tender. OR Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, OR One similar work each costing not less than the amount equal to 60% of advertised value of the tender, (i) Similar work for the purpose of eligibility criteria under (a) above shall mean: "Any work comprising of Final Location Survey and preparation of DPR involving modern surveying techniques e.g. Airborne or terrestrial LIDAR and/or drone photogrammetry for linear projects of Railway/Highways". (ii) Substantially completed work means an ongoing work in which payment equal to or more than 90% of the present contract value (excluding the payment made for adjustment of Price Variation (PVC), if any) has been made to the contractor in that ongoing contract and no proceedings of termination of contract on Contractor's default has been initiated. The credential certificate in this regard should have been issued not prior to 60 days of date of invitation of present tender. (iii) Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Government Organisation, work experience certificate issued by Public Listed Company having average annual turnover of Rs. 500 Crore and above in last three financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/ registered at least 5 years prior to the date of closing of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed Company to issue such certificates. In case tenderer submits work experience certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.</p>	No	No	Allowed (Mandatory)
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Bidders shall confirm and certify on the behalf of the tenderer including its constituents as under:

S.No.	Description
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3	I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website www.ireps.gov.in . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
4	I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5	I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6	I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7	I/we certify that I/we the tenderer(s) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.
8	I/we understand that if the contents of the certificate submitted by us are found to be forged/false at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of upto two year. Further, I/we and all my/our constituents understand that my/our offer shall be summarily rejected.
9	I/we also understand that if the contents of the certificate submitted by us are found to be false/forged at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security/Security Deposit and Performance guarantee and may also lead to any other action provided in the contract including banning of business for a period of upto two year.
10	I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

**CAO-C-HQ-ENGINEERING/SOUTH EAST CENTRAL RLY
TENDER DOCUMENT**

Tender No: CAO-C-BSP-26-27-08

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Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.

S.No.	Description
1	Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. Please submit a certificate in the prescribed format (please download the format from the link given below). Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. (Click here to download the Format of Self Certification)

5. COMPLIANCE

Check Lst

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Whether cost of tender document deposited.	No	No	Not Allowed
2	Whether cost of Earnest Money deposited.	No	No	Not Allowed

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Tender will be evaluated on the basis of QCBS method (Chapter II A of Tender Document)	No	No	Not Allowed

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed

Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Annexure III of Chapter-VII of Tender Doc to be submitted	Yes	No	Allowed (Mandatory)
2	Annexure IV of Chapter-VII of Tender Doc to be submitted.	Yes	No	Allowed (Mandatory)
3	Annexure V and V(A) of Chapter-VII of Tender Doc to be submitted	Yes	No	Allowed (Mandatory)
4	Please refer clause-16 of Indian Railway Standard General Conditions of Contracts April'2022-Part-I regarding employment of Retired Railway Employees and submit the information in this regard or submit statement to this effect that no such retired Engineer or retired gazetted officer is so associated with the tenderer, as the case may be	Yes	No	Allowed (Mandatory)
5	Certificate of Familiarization to be submitted (Refer Chapter IV of Tender Document)	No	No	Allowed (Mandatory)
6	Declaration as per Chapter III of tender document to be submitted	Yes	No	Allowed (Mandatory)
7	List of plant and Machineries to be deployed to be enclosed	Yes	No	Allowed (Mandatory)
8	List of personnels to be deployed be submitted.	Yes	No	Allowed (Mandatory)

**CAO-C-HQ-ENGINEERING/SOUTH EAST CENTRAL RLY
TENDER DOCUMENT**

Tender No: CAO-C-BSP-26-27-08

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9	Document as per Para 15 of Annexure-I Tender Form(Second Sheet) of Part 1 of GCC-2022 to be submitted.	Yes	No	Allowed (Mandatory)
10	Annexure-A of Chapter-VIII of Tender Doc to be submitted	Yes	No	Allowed (Mandatory)
11	The tenderer shall clearly specify whether the tender is submitted on his own (Proprietary Firm) or on behalf of a Partnership Firm / Company / Joint Venture (JV) /Registered Society / Registered Trust/Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. The tenderer(s) shall enclose the attested copies of the constitution of their concern and copy of PAN Card along with their tender. Tenderer to submit document/s as detailed in SI No 6.1 and 6.2 of Chapter I of Tender Document.	Yes	No	Allowed (Mandatory)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TenderDocCAO-C-BSP-26-27-08.pdf	Tender Doc CAO C BSP 26 27 08
2	ACS-10.pdf	GCC ACS 10
3	ACS-09GCCBonfd.pdf	GCC ACS 09
4	ACS-11.pdf	GCC ACS 11

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

Signed By: S AKASH KUMAR

Designation : Dy.CE/Con/ABKP