

Name of Work:- SUPPLEMENTARY REVISE BOQ OF ROAD FROM BARI BIGHA DATMAI PATH  
(HASANPURA) To Tehri Bigha

Name of Agency:- Pawan Tanay Construction, Pvt Ltd. Rajput Bhawan, Station Road Dehri-on-Sone, Rohtas

Tender ID -25851 (Bid Id-85270), Pan No.- AAECP4206A, Mobile Number-

+919570245794

Email\_Address\_johnsingh1973@gmail.com

Agreement No.:- 01 F2 (S) / 14-15

## BIHAR PUBLIC WORKS DEPARTMENT

[Form F.-2.]

### ITEM RATE TENDER AND CONTRACT FOR WORKS

#### General Rule and Directions for the guidance of Contractors.

*Certified copy*

1. All works proposed for execution by contract will be notified in a form of invitation to tender *fixed up in the* office of and signed by the subdivisional officer. Executive Engineer. *Aks Engineer*  
*R.W.D. Works Div. Masaurhi*

The notice will state the work to be carried out the items and approximate quantities thereof as well as the date for submitting and opening tenders, also the amount of earnest money to be deposited and the amount of the security deposit to be deposited by the successful tenderer and the percentages. If any to be deducted from bills. Copies of the specifications, design and workings and any other documents required in connection with the submission of tender signed for the purpose of identification by the Subdivisional/Officer/Executive Engineer shall also be open for inspection by the contractor at the office of the Subdivisional/Officer/Executive Engineer during office hours.

2. In the event of the tender being submitted by a firm, it must be signed separately by each member thereof, or, in the event of absence of any partner, it must be signed on his behalf by a person holding as a power attorney authorising him to do so.

3. Receipts for payments made on account of work when executed by firm, must also be signed by the several partners except where the contractors are described in their tender as a firm in which case the receipt must be signed in the name of the firm by one of the partners, or by sold other person having authority to give effectual receipts for the firm.

4. The memorandum of work tendered for and the memorandum of materials to be supplied by the Public Works Department and their issue rates shall be filled in and completed in the office of the subdivisional Officer/ Executive Engineer before the tender form is issued. If a form is issued to an intending tenderer without having been so filled in and completed he shall requested the office to have this done before he completes and delivers his tender.

5. The amount of earnest money to be desposited will be :-	Rs.
If the amount of the estimate does not exceed Rs. 2,000	50
If the amount of the estimate exceed Rs. 2,000 but does not exceed Rs.5,000	100
If the amount of the estimate exceed Rs. 5,000 but does not exceed Rs. 10,000	200
For each additional Rs. 5,000 or portion of Rs. 5,000 additional earnest money.....	100

6. Any person who submits a tender shall fill up the usual printed form stating at what rate he is willing to undertake each item of the work. Incomplete tender and tenders which purpose any alternation in the work specified in the said form of invitation to tender or which contain any other conditions of any sort or omit to note the time within which the work can be finished, or which are not accompanied by a treasury challan for the required earnest money will be liable to rejection. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit a separate tender for each. Tender shall bear the name of the work to which they refer written outside the envelope. Cash deposit for earnest money herein before maintained shall be made in Government Treasuries and the challan there of should be enclosed with the tender.

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*Pawan Tanay*  
DIRECTOR

*sd/-*  
Executive Engineer  
R.W.D. Works Div. Masaurhi



7. The Engineer or his duly authorised assistant will open the tender in the presence of any intending contractors who may be present at the time and will enter the amounts of the several tenders in a comparative statements in a suitable form. In the event of a tender being rejected the challan for the earnest money forwarded therewith shall there upon be returned to the tenderer with a pay order for the amount of the earnest money.

8. The Engineer shall have the right of rejecting all or any of the tenders.

9. In the event of tender being selected for acceptance the Engineer who opened the tender will be competent to accept the tender. Inform the tenderer of the selected tender who shall there upon sign copies of the specification and order documents mentioned in rule 1 and 4 for the purpose of identification and for his acceptance with the tender. The tenderer of the selected tender shall also deposit the required amount of the security money within the prescribed time, if the tender fails to deposit the required amount of the security money within the prescribed time, the Engineer may reject the tender. If the Engineer is not competent to accept the tender himself he will inform the tenderer of the tender which he decides to recommend for acceptance, such tenderer shall there upon sign forth with copies of the specification and other documents mentioned in rules 1 and 4 and shall deposit the required amount of the security money within the prescribed time. The tender with the specification and other documents signed by the tenderer will then be forwarded for acceptance to the Engineer who is competent to accept the same if the said Engineer rejects the tender the security money deposited shall be refunded to the tenderer.


10. When a tender is selected for acceptance the tenderer shall deposit the required amount of the security money in cash the treasury and shall forward the challan to the Executive Engineer in government securities may be endorsed to the Executive Engineer in lieu of a cash deposit of the required amount of the security money. No tender shall be finally accepted until the required money of the security money has been deposited.

11. The amount of security money to be deposited by the tender whose tender is selected for acceptance shall be 10% of the estimated value of work and towards the amount the earnest money already deposited by him shall be credited. At least half of this security inclusive of the earnest money shall be deposited by the tenderer within such time as may be notified to him in writing by the office opening the tender, failing which the tender shall be liable to rejection.

Any balance of the security money outstanding after completion of the contract with the tenderer may be made up by deductions of 5% of the amount of each payment to be made to him under clause 7 of the conditions of contract for work done under the contract.

12. When a tender has been selected for acceptance and the required amount of the security money has been deposited the Engineer shall securitise all pages of the form of item Rate. Tender and Contractor for works to see the form has been properly filled up and signed by the contractor and the signature witnessed. He shall then if he is competent to accept the tender sign the acceptance of the office competent to accept it.

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DIRECTOR

**Executive Engineer**  
R.W.D. Works Div. Masaurhi



## TENDER FOR WORK

I/We hereby tender for the Government of Bihar of the work specified in the under written memorandum all the rates specified therein within a period of years months from the date of written order to commence and in accordance in all respects with the specifications designs drawing. And other documents referred to rule I here of and subject to the annexed conditions of contract and with such conditions so for as applicable.

## MEMORANDUM

(a) Name of work :- **SUPPLEMENTARY REVISE BOQ OF ROAD FROM BARI BIGHA**

**DATMAI PATH (HASANPURA) To Tehri Bigha**

(b) Estimated cost :- **Rs. 1,09,28,213/-** (Rate- 1.54% Below) - Rs.

(c) Earnest money

A/c 020006228687 dt 5-3-21 Rs. 83000/-

(d) Initial security deposit (including earnest money) to be deposited before the commencement of the work

71500/-  
90100/-

(e) Percentage to be deducted from bills Rs. 5%(Rupees five percent) ✓

(f) Time required for the work from date of written order to commence

3-3-21

month

Five month.  
AK

(g) Date of written order to commence - 5-3-2021

(h) Total number of item of work tendered for

(1.54% below)

Item No.	Item of Work	Unit	Qty	RATE TENDERED	
				Rate	Amount
1.00	Construction of benchmark & Reference Pillars as per specification and drawing 200.1 & 200.2 (i) Construction of Reference & Working Benchmark =, 1 Nos. & 4 Nos. respectively	Km	1.37	7930.73	10865.10
2.00	Construction of Reference Pillar /Burjees	Km	1.10	6474.53	7121.98
3.00	Clearing and Grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201.1 and direction of E/I	Hect.	0.99	33857.01	33518.44
4.00	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m, transporting to the site spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 100 m as per Technical Specification Clause 301.5. For 100 m lead	cum	2745.99	139.45	382928.31
5.00	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m, transporting to the site spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5. For 1000m lead	cum	211.17	157.09	33172.70

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m b.	Item of Work	Unit	Qty	RATE TENDERED	
				Rate	Amount
00	Construction of Subgrade and Earthen Shoulders with 5% Local sand mixed with Rotavator to achieve minimum Socked CBR value of 5% :- Construction of Subgrade and Earthen Shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification clause 303.1 and direction of E/I.	cum	1342.28	158.47	212711.11
	Construction of Subgrade with Local sand Filling	cum	1639.89	254.09	416679.65
	Granular Sub-base with Well Graded Material Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401. (For Grading - II Material)	cum	995.28	1566.44	1559046.40
	WBM Grading 2 : Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.	cum	353.51	2802.56	990732.99
	WBM Grading 3 : Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	cum	389.09	2724.36	1060021.23
	Prime Coat : Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.	sqm	5045.37	48.68	254371.00
	Tack Coat : Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and cleaned with hydriloc broom as per technical specification clause 503.	sqm	8127.50	16.09	135398.00
3	Providing, laying and rolling of closed-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.9 (type - A) or 13.2 mm to 0.9 mm (Type - B) mm aggregates using penetration grade bitumen or emulsion to 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 three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of either Type A or Type B or Type C as per Technical Specification Clause 508	sqm	8055.00	202.69	1705636.00
4	Providing, laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grades and cross fall using Type B as per the specification in clause 510 ( With Bituminous Binder S-90 )	sqm	8055.00	66.86	562626.00
5	Construction of un-reinforced, dowel jointed at expansion and construction joint only, plain cement thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1501.2.2 M 30 grade coarse and fine aggregate maximum size of aggregate not exceeding 25mm, mixed in a concrete of not less than 0.2cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork ( steel channel, laying and fixing of 125 micron thick plythene film, wedges, steel plates including levelling the formwork as per drawing ) spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/ culvert and construction joints, admixtures as approved, curing of concrete slab for 14 days curing compound (where specified) and water finishing to lines and grade as per drawing and Technical specification clause 1501.	cum	206.10	5947.20	1225717.92

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em lo.	Item of Work	Unit	Qty	RATE TENDERED	
				Rate	Amount
	Kilometre stone : Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and printing , etc as per drawing and technical specification clause 1703. 5th Kilometer Stone (precast)	Each	2.00	3347.07	6694.14
	Ordinary Kilometre Stone (Precast)	Each	1.00	2060.82	2060.82
	Kilometre stone : Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and printing , etc as per drawing and technical specification clause 1703. 200 m stone (precast)	Each	5.00	561.02	2805.10
	Boudary Pillar : Reinforced Cement Concrete M15 grade boundary pillars / local stone of standard design as per IRC 25 fixed in position including finishing and lettering but excluding painting as per drawaing and technical Specification Clause 1704 at outer side of H Curve & @ 1.50 c/c both side heigh embankment	Each	27.00	442.29	11941.83
	Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as per drawing and Technical Specification Clause 1701	sqm	44.64	83.01	3705.57
	Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade as per drawings and Technical Specification Clause 1701	per	176.00	0.37	65.12
	Providing and fixing of typical MMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm x 600mm, 600mm below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate tube. All M.S. will be stove enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1	Each	2.00	9088.99	18177.98
3	Providing and fixing of Retro reflective cautionary , mandatory and informatory sign board as per IRC :67 made of 1.5 mm thick MS steel duly stove white colour in front and gray colour on back with red reflective border of 65 mm width and required letters and figures with reflective tape engineering grade as per clause 1701.3.9 of MORD for rural road of required shade and colour supported and welded on 47mmx47mmx12swg sheet tube firmly fixed to the ground by mean of properly designed foundation with M15 grade cement concrete 450x450x600 mm ,600mm below ground level as per approved drawing clause 1701.2.2. 600 mm equilateral & triangle.	Each	12.00	3542.08	42504.96
4	600 mm x 450 mm rectangular (School & Place)	Each	9.00	4140.28	37262.52
5	Earthwork in excavation for structures as per drawing and technical specifications Clause 1104 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material dressing of sides and bottom and backfilling in trench with excavated suitable material	cum	128.41	193.76	24880.72
6	Laying brick soling layer on prepared sub-grade with brick on end edging according to lines, graded and cross-section shown on the drawing filling joints with sand and earth, spreading 25 mm thick layer of earth over brick soling, watering and rolliing the same with three wheel road roller 80-100 kN as per Technical Specification Clause 412	sqm	15.96	256.72	4097.25

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em No.	Item of Work	Unit	Qty	RATE TENDERED	
				Rate	Amount
	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 P.C.C grade M 15	cum	16.68	5055.11	84319.23
	Brick masonry work in cement mortar in foundation complete excluding pointing and plastering as per drawing and technical specifications Clauses 602, 1202 & 1203	cum	76.55	5841.69	447181.37
	Brick masonry work in cement mortar in substructure complete excluding pointing and plastering as per drawing and technical specifications Clauses 602, 603, 604, 1202 & 1203	cum	50.21	6518.14	327275.81
	Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (i) RCC Grade - 20	cum	5.80	6354.78	36857.72
	Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 600, 900 and 1208.4	cum	1.73	6577.28	11378.69
	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	sqm	85.44	236.25	20185.20
	Providing and laying reinforcement cement concrete in superstructure as per drawing and technical specification clause 800, 1205.4 and 1205.5 RCC M25	cum	8.10	7181.21	58167.80
	Supplying, fitting and placing HYSD bar reinforcement in foundation complete as per drawings and technical specifications Clauses 1000 and 1202	MT	0.93	66041.67	61418.75
	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8	cum	42.37	598.92	25376.24
	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7	No.	42.00	120.71	5069.82
	Drainage spouts complete as per drawing and technical specifications Clause 1209	No.	2.00	248.04	496.08
	Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in double row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets as per Clause 1106.1000MM DIA	RM	7.50	3795.36	28465.20
	Laying first class bedding on well compacted sand moorum or approved granular material as per clause 1105 (ii) Type B (First Class) Bedding	cum	4.87	417.81	2034.73
	Filling in foundation trenches as per drawing and technical specification clause 305.3.9 (i) Sand Filling(using fine sand)	cum	7.64	417.81	3192.07
	Providing and laying boulder apron for bed protection with stone boulders of minimum size and weight as per Table 1300.1, no fragment weighing less than 25 kg laid dry complete as per drawing and technical specifications Clause 1301	cum	0.00	2358.02	0.00
	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes.	sqm	440.00	772.00	339680.00
	Maintenance for 1st year	Per Km Year ppd	1.37	51430=66 70460.01 ppd	70460.01
	Maintenance for 2nd year	Per Km Year ppd	1.37	60889=05 83418.00 ppd	83418.00
	Maintenance for 3rd year	Per Km Year ppd	1.37	115986=13 158901.00 ppd	158901.00
	Maintenance for 4th year	Per Km Year ppd	1.37	140445=90 192411.00 ppd	192411.00
	Maintenance for 5th year	Per Km Year ppd	1.37	165826=28 227182.01 ppd	227182.01