



**GOVERNMENT OF THE PUNJAB  
PLANNING AND DEVELOPMENT BOARD  
(ROAD SECTION)**

**WORKING PAPER**

**PART A**

**Date of receipt of PC-I in P&D Board: 12-12-2024**

**PROJECT PROFILE:**

1. Project Title: **WIDENING / IMPROVEMENT OF SINGLE ROAD FROM NOORPUR THAL TO JHANG ROAD, LENGTH=55.00 KM VIA DADUWALA, SHAH HUSSAIN, TEHSIL NOORPUR THAL, DISTRICT KHUSHAB.**
2. Location: District Khushab
3. Sponsoring Agency: Communication & Works Department
4. Executing Agency: Punjab Highway Department
5. Operation & Maintenance Punjab Highway Department
6. Name of the Relevant Communication & Works Department, Finance Department  
Department (s) /Pre-PDWP meeting was held on **23.12.2024** under the  
Stakeholder(s) invited in chairmanship of Member (ID)  
Pre-PDWP
7. Name of the Sector's P&DB Road Sector, Economic Wing  
specialist / consultants /  
advisor / expert / invited  
in Pre-PDWP
8. Cost:

(Rs. in million)				
Original	1 <sup>st</sup> Amended	1 <sup>st</sup> Revised	2 <sup>nd</sup> Revised	Increase
Rs. 763.316 (15.01.2018)	Rs. 829.365 (21.02.2018)	Rs. 881.300 (28.10.2022)	<b>1,371.261</b> <b>Proposed</b>	<b>489.961</b>

9. Source of Financing Provincial ADP 2024-25 reflected at G. Sr. No. 1562  
Expenditure up to 30.06.2024 is Rs. 450.100 million
10. Allocation (2024-25) Rs. 206.000 million

**11. BRIEF DESCRIPTION OF THE PROJECT:**

The proposed road off takes from Noorpur Thal city and terminates on Khushab Muzaffargarh road at District boundary. The length of this road is 55 KM having metalled width 10' to 12' and was in poor condition and deteriorated. It connects many populated areas to Tehsil Head quarter Noorpur Thal. The widening / improvement of this road not only facilitated the people of surrounding area but also reduced the traveling distance from Jhang, Multan to Noorpur Thal, Mianwali by 30 Km, which will save public money in terms of saving time, fuel consumption and better facilities for public transports travelling of this road. The administrative approval was issued by the Secretary C&W Department, Lahore vide No. SOH-II(C&W)3-15/2017/ (KHB) dated 15.01.2018 amounting to Rs. 763.316 (M) & Amended administrative approval was issued by the Secretary C&W Department, Lahore vide No. SOH-III(C&W)3-15/2017/ (KHB) dated 21.02.2018 amounting to Rs. 829.365 (M) for 55 KM length. The Part Technical Sanctioned by the Chief Engineer (N), Punjab Highway Department, Lahore vide Memo No. ADP/6786/2016-17/KHB/ 618/Plg dated 26.02.2018 amounting to Rs. 536.209 Million. The revised administrative approval was issued by the Secretary C&W Department,

Lahore vide No.SOH-II(C&W)2-8/2022/ (Khushab) dated 28.10.2022 amounting to Rs. 881.300 (M)

Now scheme 2<sup>nd</sup> revision involved due to updated price variation (G-I, & (G-II) worth Rs. 108.317 (M) & Group-III estimate is amended as per new MRS Rates 2nd BI-Annual Rates 2024 (1st July 2024 to 31st Dec. 2024)

Now, the C&W Department has submitted the 2<sup>nd</sup> revised PC-I / cost estimate amounting to **Rs. 1,371.261 Million** for consideration of PDWP.

**REASONS OF REVISION:**

- i. Due to provision of price variation in G-I & G-II as admissible under clause 55 of contract agreement.
- ii. Due to amendments in rates of G-III (Work yet to be allotted).

**DESIGN & SCOPE:**

- i. Formation Width = 32 ft
- ii. Metalled Width = 20 ft
- iii. Sub Base Course = 6" Thick
- iv. Base course = 10" Thick
- v. Over lay. = 6" Thick
- vi. Carpet = 2" thick (AWC).

**12. a) Sector Issues**

Insufficient availability of funds against the ever-increasing demand of road infrastructure, resulting in generation of excessive throw forward

**b) Sector Strategy**

The provincial sectoral strategy envisages construction of a high quality infrastructure as planning, constructing and maintaining road network in public sector under need driven and cost effective regimes aiming at providing best possible means of communication to the general public

**13. Relationship of the project with the Sectoral policy /Growth Strategy, 2023.**

Project is aligned with the growth strategy, 2023

**14. Alignment with the Punjab Spatial Strategy, 2047(Comments of urban unit)**

N/A

**15. Other major ongoing projects in the Sector**

- i. WIDENING / IMPROVEMENT OF SINGLE ROAD FROM NOORPUR THAL TO JHANG ROAD VIA DADUWALA, SHAH HUSSAIN, LENGTH=55.00 KM, TEHSIL NOORPUR, DISTRICT KHUSHAB (2<sup>ND</sup> REVISED).

**16. BREAK DOWN OF THE CAPITAL COST**

**(Rs. in Million)**

Sr. #.	Items	As per 1 <sup>st</sup> Revised PC-I	As per 2 <sup>nd</sup> Revised PC-I	Difference
1.	<b>Group-I</b> length 0.00 to 19.00 Km= 19.00 Km	288.594	338.943	50.349
2.	<b>Group-II</b> length 19.00 to 38.00= 19.00 Km	308.895	372.028	63.133
3.	<b>Group-III</b> length 38.00 to 55.00 Km = 17.00 Km <b>(Work yet to be allotted)</b>	283.811	660.290	376.479
	<b>TOTAL COST</b>	<b>881.300</b>	<b>1371.261</b>	<b>489.961</b>

**GROUP-I LENGTH 0.00 TO 19.00 KM= 19.00 KM****(Rs. in Million)**

<b>Sr. #.</b>	<b>Items</b>	<b>As per 1<sup>st</sup> Revised PC-I</b>	<b>As per 2<sup>nd</sup> Revised PC-I</b>	<b>Difference</b>
1.	Road Work	228.162	228.162	0.000
2.	Road Structure	7.038	7.038	0.000
3.	Road Furniture	4.486	4.486	0.000
4.	Shifting of Electric Poles	0.540	0.540	0.000
5.	Survey Work	0.190	0.190	0.000
6.	D/d of Old Material	-0.792	-0.792	0.000
7.	3% Contingency	7.167	7.167	0.000
8.	2% Consultancy	4.777	4.777	0.000
9.	5% PRA Tax	13.137	15.536	2.399
10.	Price Variation	23.889	71.839	47.95
	<b>Total</b>	<b>288.594</b>	<b>338.943</b>	<b>50.349</b>

**GROUP-II LENGTH 19.00 TO 38.00= 19.00 KM****(Rs. in Million)**

<b>Sr. #.</b>	<b>Items</b>	<b>As per 1<sup>st</sup> Revised PC-I</b>	<b>As per 2<sup>nd</sup> Revised PC-I</b>	<b>Difference</b>
1.	Road Work	247.710	247.710	0.000
2.	Road Structure	4.074	4.074	0.000
3.	Road Furniture	4.747	4.747	0.000
4.	Shifting of Electric Poles	0.540	0.540	0.000
5.	Survey Work	0.190	0.190	0.000
6.	D/d of Old Material	-0.792	-0.792	0.000
7.	3% Contingency	7.672	7.672	0.000
8.	2% Consultancy	5.114	5.114	0.000
9.	5% PRA Tax	14.066	17.072	3.006
10.	Price Variation	25.574	85.701	60.127
	<b>Total</b>	<b>308.895</b>	<b>372.028</b>	<b>63.133</b>

**GROUP-III LENGTH 38.00 TO 55.00 KM = 17.00 KM (WORK YET TO BE ALLOTTED)****(Rs. in Million)**

<b>Sr. #.</b>	<b>Items</b>	<b>As per 1<sup>st</sup> Revised PC-I</b>	<b>As per 2<sup>nd</sup> Revised PC-I</b>	<b>Difference</b>
1.	Road Work	252.168	588.230	336.062
2.	Road Structure	1.665	3.983	2.318
3.	Road Furniture	4.022	7.690	3.668
4.	Survey Work	0.170	0.397	0.227
5.	3% Contingency	7.736	17.997	10.261
6.	2% Consultancy	5.157	11.998	6.841
7.	5% PRA Tax	12.893	29.995	17.102
	<b>Total</b>	<b>283.811</b>	<b>660.290</b>	<b>376.479</b>

**17. UNIT COST**

Rs. 19.929 Million

**18. PERIOD OF IMPLEMENTATION**

96 Months (Till June 2025)

**19. ANNUAL RECURRING EXPENDITURE**

Rs. 21.12 million

**20. ANNUAL INCOME AFTER COMPLETION**

N/A

**21. REQUIREMENT OF VEHICLES/STAFF/CONSULTANCY (WITH JUSTIFICATION)**

N/A

**22. EXISTING FACILITIES****PART – B****23. TECHNICAL APPRAISAL**

(Comments of R&amp;B)

Pre-PDWP meeting was held on **23.12.2024** under the chairmanship of Member (ID), wherein project's salient features, design & scope was discussed. Imperative discussion was made on reasons of revision of this PC-1, Physical & financial progress of the scheme and details of price variations. Point wise discussion is listed as under:-

<b>Sr. No.</b>	<b>Observation</b>	<b>Reply of the Department</b>	<b>Recommendations of pre-PDWP</b>
1.	RD wise pictorial evidences of road and drone video may be provided in view of guidelines issued by P&D Board vide No. 12(14)PO(COORD-II)P&D/2022 dated 11.09.2023	RD-wise pictorial evidences of the road and drone video have been attached in compliance with the guidelines issued by P&D Board vide No.12(14)PO(COORD-II) P&D / 2022 dated 11.09.2023.	Noted
2.	In light of instructions issued by P&D Board vide No. 12(14)PO(COORD-II)P&D/2024 dated 19.07.2024, the sponsor is requested to inform about any audit observations related to the scheme that need to be regularized through the approval of the proposed PC-I, if any.	No audit observations related to the scheme are pending for regularization through the approval of the proposed PC-I. All audit matters have been addressed in accordance with the relevant guidelines.	Noted
3.	Group wise financial profile of the project depicting year-wise original allocation, revised allocation, re-app (if any) and expenditure incurred upto now should be clearly furnished.	The financial profile of Group I & II, including year-wise original allocation, revised allocation, re-appropriation, and expenditure incurred up to date, has been furnished attached.	Noted
4.	Sponsor is required to provide a justification for the non-allotment of work related to Group-III (38.00 to 55.00 Km length = 17.00 Km) to date.	The funds required for the completion of Group I & II as per the 1st revised approved estimate were Rs. 597.488 million, but the allocation was Rs. 333.177 million, and the actual cumulative release amounted to Rs. 450.724 million. Due to this shortage of funds, Group III could not be allotted. However, with the 2024-25 release of	Noted

		Rs. 233.800 million and a cumulative release of Rs. 684.524 million, approval is now being sought for the allotment of Group III at the new MRS rates.	
5.	Price variation amounting to Rs. 163.618 million (cumulative) for Groups I and II is proposed in the instant estimate. However, as per the certificate by the concerned Chief Engineer and attached to the PC-I, the certified price variation is only Rs. 108.317 million. Sponsor is required to provide justification for this discrepancy.	The submitted price variation before correction for Group-I & II amounting to Rs. 170.270 million. After incorporating the price variation paid from contingency (Rs.12.490 million) and the approved 10% cushion in the 1 <sup>st</sup> revised estimate (Rs. 49.463 million), the remaining price variation stands at Rs.108.317 million, as certified by the concerned Chief Engineer. (Calculation attached)	Noted
6.	Price variation calculation sheets of G-II is not attached with PC-I. Duly vetted copies of calculation sheets is to be provided.	Compliance has been made, and the dully vetted copy of the price variation calculation sheets for group-II are attached.	Noted
7.	It has been observed that the price variation is calculated based on the rates applicable in the month when the bill was paid, which is not justified. The sponsor to recalculate the price variation based on the check requests, utilizing the current rates of the items executed on site in the specified month.	Compliance has been made, and the price variation has been recalculated based on check requests, utilizing the current rates of the items executed on-site in the specified month. Supporting documents are attached	Noted
8.	It has been noted that a factor of 0.15 is currently employed for calculating diesel variation. The sponsor is required to separately categorize roadwork items and Buildings & RCC structure items. For these specific categories, the diesel variation should be calculated using a factor of 0.07, in accordance with Clause 55, Sub-Clause 10.	The price variation for diesel has been calculated exclusively for roadwork items, and no Buildings & RCC structure items are involved in the calculated price variation, in accordance with Clause 55, Sub-Clause 10	Chief Engineer (Concerned) shall ensure the provision/ payment of price variation as per guidelines issued by P&D Board vide No. 12(14) PO (Coord-II), P&DB/2024 dated 24.1.24

9.	Provision of consultancy charges were based on lump sum basis. The cost provision of consultancy charges is to be actualized based on man months agreement.	2% consultancy charges have been calculated based on the civil work cost, as per the guidelines. In Group I and II, most of the work has been completed, resulting in no increase in consultancy charges in the 2nd revised estimate. For Group III, which is yet to be allotted, 2% consultancy charges have been taken as per the 2nd revised civil cost	Noted
10.	Sponsor to share the group wise physical progress/status of scheme.	compliance has been made, and the updated group-wise physical progress/status of the scheme is attached	Noted

### **PART – C**

#### **24. ECONOMIC / FINANCIAL APPRAISAL**

(Comments of Economic Appraisal Section and Finance Department)

### **PART – D**

#### **25. ENVIRONMENTAL APPRAISAL.**

(Comments of Environment Department)

#### **26. CONSIDERATION BY PRE-PDWP**

The scheme is submitted by the C&W Department for 2<sup>nd</sup> revised approval at a cost of **Rs. 1,371.261 million**. After detailed deliberations, the cost of PC-I is rationalized to **Rs. 1,367.112 million**.

#### **27. RECOMMENDATIONS**

- i. The scheme is placed before PDWP for consideration at cost of **Rs.1,367.112 million**. The proposed abstract of cost is as below:

**(Rs. in Million)**

<b>Sr. #.</b>	<b>Items</b>	<b>As per 1<sup>st</sup> Revised PC-I</b>	<b>As per 2<sup>nd</sup> Revised PC-I</b>	<b>After Pre-PDWP</b>	<b>Difference w.r.t 1<sup>st</sup> revised cost</b>
<b><u>GROUP-I LENGTH 0.00 TO 19.00 KM= 19.00 KM</u></b>					
1.	Road Work	228.162	228.162	228.162	0.000
2.	Road Structure	7.038	7.038	7.038	0.000
3.	Road Furniture	4.486	4.486	4.486	0.000
4.	Shifting of Electric Poles	0.540	0.540	0.540	0.000
5.	Survey Work	0.190	0.190	0.190	0.000
6.	D/d of Old Material	-0.792	-0.792	-0.792	0.000
7.	3% Contingency	7.167	7.167	7.167	0.000
8.	2% Consultancy	4.777	4.777	4.777	0.000
9.	5% PRA Tax	13.137	15.536	15.441	2.304
10.	Price Variation	23.889	71.839	69.924	46.035
	<b>Sub Total (I)</b>	<b>288.594</b>	<b>338.943</b>	<b>336.933</b>	<b>48.339</b>
<b><u>GROUP-II LENGTH 19.00 TO 38.00= 19.00 KM</u></b>					
1.	Road Work	247.710	247.710	247.710	0.000
2.	Road Structure	4.074	4.074	4.074	0.000
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4.	Shifting of Electric Poles	0.540	0.540	0.540	0.000
5.	Survey Work	0.190	0.190	0.190	0.000
6.	D/d of Old Material	-0.792	-0.792	-0.792	0.000
7.	3% Contingency	7.672	7.672	7.672	0.000
8.	2% Consultancy	5.114	5.114	5.114	0.000
9.	5% PRA Tax	14.066	17.072	16.970	2.904
10.	Price Variation	25.574	85.701	83.664	58.090
	<b>Sub Total (II)</b>	<b>308.895</b>	<b>372.028</b>	<b>369.889</b>	<b>60.994</b>
<b>GROUP-III LENGTH 38.00 TO 55.00 KM = 17.00 KM (WORK YET TO BE ALLOTTED)</b>					
1.	Road Work	252.168	588.230	588.230	336.062
2.	Road Structure	1.665	3.983	3.983	2.318
3.	Road Furniture	4.022	7.690	7.690	3.668
4.	Survey Work	0.170	0.397	0.397	0.227
5.	3% Contingency	7.736	17.997	17.997	10.261
6.	2% Consultancy	5.157	11.998	11.998	6.841
7.	5% PRA Tax	12.893	29.995	29.995	17.102
	<b>Sub Total (III)</b>	<b>283.811</b>	<b>660.290</b>	<b>660.290</b>	<b>376.479</b>
	<b>G.Total (I+II+III)</b>	<b>881.300</b>	<b>1371.261</b>	<b>1367.112</b>	<b>485.812</b>

- ii. The gestation period of scheme shall be up to June, 2026.
- iii. The provision of price variation is for estimation purposes solely. The responsibility for payment adjustments stemming from price variation shall rest with the authority competent to accord revised TS.

**XXXXX**